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ARCHITECTURE Winners of the URA Architectural Heritage Awards 2016 announced
INTERIOR SUTRIX Media's new head office in Ho Chi Minh City, Vietnam; HOK completes
interior of a new training centre for Taikang Life Insurance Group in Beijing, China **INTERVIEW**
An interview with Rowan Tan, Managing Director of dormakaba **SHOW REVIEWS** ArchXpo
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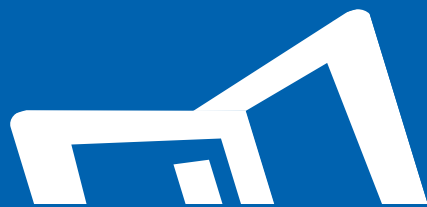
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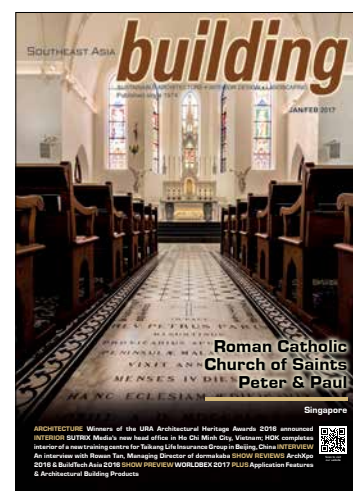
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editor's note



Welcome to the first issue of 2017. Let me first wish each and everyone of you a Happy New Year. We hope that the coming year brings more success and joy to you. In this issue, we explore the topic of conservation and preservation in architecture. Recently, architects are doing much work in conserving and restoring historical buildings and architectural landmarks to preserve the cultural identity and to promote sustainability in the near future. In October 2016, four winners in Singapore were conferred the URA Architectural Heritage Awards 2016 for their exceptional work in heritage building conservation and restoration. Read all about their winning designs and features in this issue.

In the interior design section, we look at the workplace designs of two companies, which were conceptualised to reflect the companies' culture and identity.

Finally, we have prepared show reviews of ArchXpo 2016 and BuildTech Asia 2016 to give you an overview of the building products, services and technologies that were exhibited at the shows. In March 2017, one of Philippines' largest building and construction expositions is set to take place from 15-19 March. If you are planning to visit the show, read our show preview inside.

Enjoy reading and don't forget to like us on Facebook and follow us on Twitter.

NEXT ISSUE THEMES

- Architecture – Transportation
- Interior – Hotels
- Landscaping – Green Roofs / Green Walls

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Thailand Energy Efficiency Week 2017 will cover all aspects of the LED lighting, energy saving and electronics sector, incorporating, LED Expo Thailand 2017, Thailand Energy Saving Expo 2017 and PCB Expo Thailand 2017.

This unique platform will showcase the state of the art technology, products & services within 20,000 sqm of exhibition space and provide conferences & seminars to increase your knowledge and watch new trends in 2017.

New Seletar Airport Terminal to have improved facilities for passengers



Photo:
© Seletar
Airport

Singapore – A groundbreaking ceremony for Seletar Airport’s new terminal building was held on 20 October 2016. Witnessed by Mr Khaw Boon Wan, Coordinating Minister for Infrastructure and Minister for Transport, the new terminal will have enhanced facilities for passengers through the Seletar Airport.

The construction of the new terminal is the next stage of the renewal of Seletar Airport. Redevelopment of the airport commenced in 2008 and since then, the airport has seen several enhancements including the lengthening of its runway, the construction of a new control tower and fire station, a doubling of the number of parking stands, additional taxiways and upgraded aircraft parking aprons.

New terminal will be larger and completed end-2018

The new, two-storey terminal is located at the eastern side of Seletar Airport. It will have a gross floor area of 9,500 square metres, of which 500 square metres will be dedicated to serving business aviation passengers. Designed for around 700,000 passenger movements per annum, the building will be significantly larger than the current terminal, which handled about 26,700 passenger movements in 2015. This will support the relocation of scheduled turboprop flights from Changi Airport to Seletar Airport upon the completion of the new terminal in end-2018.

The layout of the new terminal is dictated by clean lines and a functional design to keep the travel experience simple and efficient for all passengers. Passenger operations will take place on the ground floor, with a clear separation between the departure and arrival areas. To handle scheduled commercial flights, the departure area will have four check-in counters, four immigration counters, two security screening stations and a gate holdroom which can seat close to 200 passengers. Departing passengers will be able to go through check-in, immigration and security screening in a fuss-free manner via a straightforward route, enabling a quick and stress-free boarding process for passengers. The departure area also features a café where passengers and well-wishers can get a quick bite.

Passengers travelling on chartered business jets and private jets can look forward to a private drop-off area and a dedicated check-in area where they will be able to enjoy quick pre-departure clearance in a private and exclusive setting. The

terminal will also feature amenities such as a lounge area and dedicated immigration and security screening areas for these passengers.

Drawing inspiration from its lush and serene surroundings, the new terminal will sport a modern tropical look on the façade and in the interiors. The design blends warm woody tones with a theme of nature, with a landscaped garden in the middle of the terminal. Accessible from the drop-off area at the entrance, the garden will provide a calm oasis for departing passengers and well-wishers.

Upgraded airside facilities

On the airside, passengers will be able to board their flights conveniently with three aircraft parking stands adjacent to the terminal. This reduces the need for passengers to be bussed, enabling greater operational efficiency and faster aircraft turnaround time. The three aircraft parking stands will be supplemented by another 60 located at the rest of the airport.

A new level of experience for passengers

Mr See Seng Wan, General Manager of Seletar Airport, said, “We have made good progress with the redevelopment of Seletar Airport in recent years. Today’s groundbreaking for the new terminal is another milestone in our plans for the airport. We look forward to providing passengers with a new level of experience, in terms of comfort and convenience, when the terminal opens.”

Mr Daniel Ng, Director (Aviation Industry), CAAS, said, “The expansion of Seletar Airport will accommodate the growth of our air traffic and optimise operational resources. The new passenger terminal building will also complement operations at Changi Airport and allow for more capacity.”

Experienced development partner

The construction of the new terminal will be undertaken by Takenaka Corporation, which was awarded the project following a competitive tender process. The value of the contract is around S\$50 million. The company has deep experience in airport construction. It has been involved in various construction and upgrading works at Changi Airport, including the on-going development of Terminal 4.

NETWOOD chosen to supply luxury solid timber flooring to The Astaka @ 1 Bukit Senyum Project in Johor Bahru, Malaysia

Selangor, Malaysia – NETWOOD has been awarded to provide solid timber flooring to the prestigious residential project, The Astaka @ 1 Bukit Senyum in Johor Bahru, Malaysia.

When completed, it claims to be the tallest residential tower in Southeast Asia. Astaka will reach an astounding 1,000 feet above sea level consisting of two towers, with 70 and 65 storeys. Each floor comprises of four units of luxurious condominiums with built-up areas ranging from 2,207 square feet to 5,554 square feet respectively.

Astaka Padu Sdn Bhd, the developer of The Astaka @ 1 Bukit Senyum, chose NETWOOD to supply and install for a total of 350,000 square feet of luxury solid timber floor due to the high quality material manufactured by Tanasa Flooring Sdn Bhd. NETWOOD's exotic & unique flooring products are made from the world's finest timbers.

"We are honoured and excited to have been selected by Astaka Padu for their exclusive project in Johor. This will surely marked as one of the great milestone for NETWOOD flooring; as the manufacturer and supplier of imported luxury & exotic solid timber flooring," said Alec Tan, Director of Tanasa Flooring Sdn Bhd.

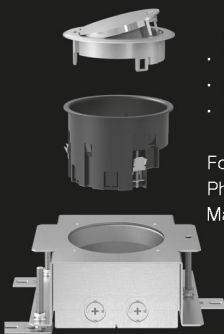


Alec Tan, Director of Tanasa Flooring Sdn Bhd (NETWOOD)

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WACKER opens second sales office in Vietnam and cooperates with COSIC to establish a showroom for construction chemicals

Hanoi, Vietnam – WACKER has strengthened its presence in Vietnam by opening a second sales office, but this time in the north of the country. The new office in Hanoi will cater to the needs of customers and partners in the fast-growing northern region.

Focusing on WACKER's silicone and polymer products, the new office will support customers not only in construction, decorative coatings, adhesives, and electronics, but also textiles, chemicals and the rubber industry. Additionally, WACKER is opening a dry-mix mortar showroom in Ho Chi Minh City in cooperation with COSIC (the Ho Chi Minh City Construction Service and Information Center). The new showroom – or "Application House" – will demonstrate a range of construction applications that support the development and professional application of modern construction solutions in Vietnam.

The decision to open a sales office in Hanoi reflects the rapid growth of Vietnam's economy in the north, where the construction sector is expanding especially strongly.

"With the government boosting the economy in the north, we want to provide our customers and partners there with tailor-made solutions that perfectly match their requirements," explained Patrick de Wolf, managing director of WACKER South East Asia. The new office will be headed by Vinh Long Bui, who has been active for WACKER in North Vietnam for several years.

As the construction industry across Vietnam is growing at such a fast pace, WACKER has additionally decided to open a dry-mix mortars showroom in Ho Chi Minh City, the so-called "Application House." The new facility will take account of regional raw materials and rising building standards in Vietnam.

"The facility will help us not only to transfer our extensive expertise in sustainable building materials, but also to increase awareness of the advantages and market prospects of construction chemicals," stressed Long Nguyen, technical manager for Construction Polymers at WACKER.



Experts at the new "Application House" will demonstrate the advantages of WACKER's construction chemicals in different applications. (Photo: Wacker Chemie AG)

Located at the COSIC building in Ho Chi Minh City, the new showroom will offer opportunities for conducting indoor and outdoor application tests on polymer powders, dispersions and construction silicones – with applications ranging from skim coats, tile adhesives and self-leveling flooring compounds to water-proofing membranes, silicone sealants and adhesives. The "Application House" will host training courses for customers, end users and students. Its goal is to introduce and promote high-quality, efficient construction materials and techniques in Vietnam.

In total, WACKER now has 27 sales offices in Asia, with seven of them located in South East Asia: Bangkok (Thailand), Hanoi and Ho Chi Minh City (Vietnam), Jakarta (Indonesia), Manila (the Philippines), Kuala Lumpur (Malaysia) and Singapore, which also is the company's regional headquarters.

Maytronics Australia MD announces opening of representative office in Singapore

Singapore – Maytronics Australia has announced the opening of a representative office in Singapore, and Asian Business Development Manager, Ross Coady, will head the company.

Maytronics is a world leading robotic pool cleaning manufacturer with the Dolphin brand. According to Maytronics, this is a sign of their commitment to driving sales in Southeast Asia and bringing the benefits of efficiency and increased productivity that their Dolphin brand can deliver.

"There's a great opportunity for growth in Asia, we already have many partners with many more likely to join the Dolphin revolution over the next few years. Having a local office and representation enables us to provide superior support, training and development for the whole region," said Mr Ross Coady.

For more information, visit www.maytronics.com.sg.



Mr Ross Coady is the Maytronics representative in Asia. Photo: © Maytronics

LTW unveils design for Grand Hyatt Sanya Haitang Bay

Hong Kong – LTW, an award-winning interior design studio in Singapore, has completed the design of Grand Hyatt Sanya Haitang Bay Resort and Spa.

A milestone project, the property is the hotel group's first beach resort in China. Having worked with the luxury hospitality group on a number of previous projects, including Grand Hyatt Dalian, LTW was commissioned to design the hotel's public areas, guestrooms and suites in addition to the spa and all-day-dining restaurant.

Situated on picturesque Haitang Bay and spanning 190,000 square metres, the hotel enjoys panoramic views of the South China Sea and direct access to one of the most striking white sand beaches in China.

For centuries, indigenous Dan people have lived on the shores of Haitang Bay on the southernmost tip of tropical Hainan Island. Inspired by these boat-dwelling communities, Grand Hyatt Sanya Haitang Bay Resort and Spa was developed

around the concept of a contemporary fishing village, inviting travelling families to congregate, experience a sense of community and enjoy authentic local traditions. Building on this theme, LTW has created a contemporary oasis with a design that evokes the cultural spirit of different ethnic groups in Hainan, while taking advantage of its idyllic tropical setting.

The Grand Hyatt Sanya Haitang Bay comprises of Public Spaces, Grand Café, Guestrooms and Suites, Huan Spa and Ballroom and Function Areas.



Grand Suite Living Room at the Grand Hyatt Sanya Haitang Bay.
Photo: © Grand Hyatt

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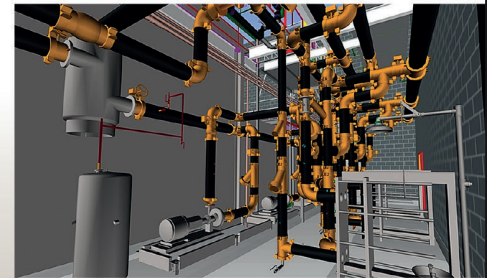
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Iconic Millennium Centennial Center in Jakarta selects Otis Elevators and Escalators

Jakarta, Indonesia – PT Citas Otis Elevator (Otis Indonesia) has secured a contract to supply 25 state-of-the-art, energy-efficient elevators and escalators for the Millennium Centennial Center in Jakarta, Indonesia's business district. When completed, the building will be one of the first in Jakarta with double-deck elevator systems.

As part of the contract, Otis Indonesia will provide 12 double-deck SkyRise® elevators with CompassPlus™ destination management systems, and three single-deck SkyRise elevators. The SkyRise premier high-rise elevator system is specially designed to deliver a fast, smooth and quiet travel experience for buildings more than 600 metres tall. Each SkyRise installation integrates advanced technologies to promote a seamless and safe operation of the entire system. Its double-deck configuration, which consists of two cars constructed one atop the other, enables the elevators to serve alternate floors simultaneously, reducing the number of elevator shafts required and maximising usable floor space. The CompassPlus™ destination management system uses Otis' patented SmartGroup technology to organise travel by grouping passengers and stops to get people to their destination up to 50 percent faster than conventional dispatching systems.

In addition, four escalators and six Gen2® elevators with ReGen™ drives will also be part of this project. Otis Gen2 elevators incorporated with ReGen™ drives can reduce energy consumption by 75 percent under normal operating conditions compared to traditional elevator systems with non-regenerative drives.

Mr Tan Kian, President and CEO of PT. Permata Birama Sakti, the building owner and developer, said: "Following a stringent supplier selection process, we are very pleased to have chosen Otis Indonesia for this iconic project, which will be one of the first double-deck elevator installations in Jakarta. Otis' proven safety record and product quality is in line with our commitment to providing safe, comfortable and innovative homes and commercial solutions."

"Otis has a long tradition of striving for excellence that stretches back more than 160 years," said Ryan Mai, President, South Asia Pacific, Otis. "To be awarded this project is a testimony to Otis' Indonesia's leading position in product technology, safety, quality and strong commitment to our customers," he added.



Photo: © PT. Permata Birama Sakti

Ascott achieves greater growth in China

Singapore – CapitaLand's wholly owned serviced residence business unit, The Ascott Limited (Ascott), has inked contracts to manage eight new serviced residences in China's high growth cities of Beijing, Chongqing, Haikou, Hangzhou, Shanghai and Xiamen through its Ascott, Citadines and Tujia Somerset brands. The properties with more than 1,200 apartment units will boost Ascott's leading position in China, as it adds a record number of more than 2,800 apartment units across 16 new properties this year.

Of the eight new serviced residences signed, Tujia Somerset Palm Springs Chongqing is already operational and the other seven – Ascott Central Haikou, Citadines Taoyuanju Chongqing, Citadines Xixi Wetland Hangzhou and four more Tujia Somerset properties – are scheduled to open from next year to 2020. This year, Ascott also opened 10 properties in China, adding more than 1,900 units to its network of serviced residences.



Tujia Somerset Palm Springs Chongqing. Photo: © The Ascott Limited

Hotel G to make grand debut in Singapore

Singapore—On 17 November 2016, International lifestyle hotel brand Hotels G opened its doors in Singapore featuring 308 stylish rooms complete with cutting-edge facilities, including two distinct restaurant concepts, trendy communal spaces and a state-of-the-art fitness centre.

Conveniently located minutes from vibrant Orchard Road and iconic Bugis Street, Hotel G Singapore is perfectly situated at the nexus of old and new Singapore. The hotel is in close proximity to the Civic and Museums district, Marina Bay and Esplanade, Suntec City Convention Centre and with Changi International Airport a 20-minute drive away.

“We are thrilled to add Hotel G Singapore to our dynamic management portfolio of 22 hotels and resorts in Asia and the United States. The expansion into Singapore is part of GCP Hospitality’s long-term plan with a brand that



Photo: © HOTEL G Singapore

is already proving popular in San Francisco, Bangkok, Hong Kong and Pattaya. With Shenzhen, Macau, Yangon and Beijing in pre-opening stages, we aim to bring the unique Hotel G experience to Asia’s most cosmopolitan cities,” said Christophe Vielle, Chief Executive Officer and Co-founder of GCP Hospitality.

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Happy Park opens at Waterpoint Park

Singapore – Happy Park has become the first attraction in Singapore to integrate lights to a wet and dry playground, creating a fun and playable sculpture to be enjoyed by the young and old. Situated at the new Waterway Point suburban shopping mall in Punggol New Town, the main play area consists of a dry play and a wet play area. The cosy area and the lily trees are two extra elements of the playground. Happy Park is a project of Playpoint 9(Singapore) Pte Ltd, a leading regional playground specialist in Asia.



Happy Park consists of a dry play and a wet play area. Photos: © Playpoint (Singapore) Pte Ltd

Dry play area

The dry play area is designed as a terraced landscape, accessible for everyone and for all ages. Young children can crawl on and slide down from its soft rubber surface, older children can run, jump and slide on the hills and parents can keep an eye on their kids while using the terraces as seating.

The dry play area has terraced hills, which define its 'inner' world. The whole area is covered with epdm. Two slides enter this zone, which are accessible from the two highest hills. Long lily-tree roots add extra play elements to this zone. These roots (orange, metal tubes) connect the slides, and can be used for climbing, sliding, swinging and tumbling.

On the elevated platform in the dry play area, Playpoint integrated spinners. Kids can imagine they are a rabbit in the rabbit holes, which are all ground level entry points to the dry play area. These rabbit holes can be lined with led-lights, which makes them safe and visible at night.



The dry wet area within the Happy Park. Photo: © Playpoint (Singapore) Pte Ltd

Wet play area

The wet play area consists of four essential elements: a river loop with flowing water, a lake, an island and a bridge.

River loop

The river loop flows around the island. At some points it varies in width. The river loop invites children to play with water in various ways; they can put their feet in, they can make a little paper boat and let it sail away. They can add obstacles and change the flow of the water, creating little ponds. The outer edge of the river loop is designed neatly, while its inner edge is rougher, so that the island really seems to sit in the water.

Lake

The second water element is a large, shallow lake. Children can easily play in this water, which is not deeper than 20 to 30 cm. Water lily stepping stones cover the surface. Children



The wet play area inside the Happy Park. Photo: © Playpoint (Singapore) Pte Ltd

can hop from one side to the other without getting wet feet. Some of the waterlily stepping stones are jumping elements, creating a lot of water fun; the water splashes to all sides! Playpoint intentionally kept this area 'low', enabling views to the waterfront panorama, which can be enjoyed from the restaurant.

Bridge

An iconic, orange bridge (same colouring as orange tubes) is a visible connector on the balcony. It is a low (one-step) element, which crosses the narrow part of the lake and the river loop. The water flows underneath it. Children can play different fantasy games on the bridge, imagining they are Three Giant Lily Trees form the highlight of the playground.

They are brightly lit at night, with LEDs covering the tubes, illuminating the water that sprays out of their canopy.

The trees are very transparent tube structures, with a core that can be entered. Children can climb safely to the top, which is designed as a calyx with a stigma. The calyx/canopy of the lilytrees is covered with a transparent textile, which offers shade to the playing children.

The colour of the trees changes from green at the bottom to white on the top, like a real lily flower. The structures subtly blend with their surroundings. The orange tubes are the 'roots' and contain and connect different playing elements.

They are climbing tubes, partly covered with netting. The orange tubes are also structural to the lily trees, reaching out from their top to keep the trees stable.

From the netting and tubes, children can access the two giant slides which are connected to the trunk of the lily trees. Little 'bird houses' are the entry of the slides.

Two of the top-to-bottom roots are giant spinners, marked with bright orange colour.

About Playpoint

Founded in 2001, Playpoint (Singapore) Pte Ltd has grown from a local playground specialist to a leading regional company. Happy Park is one of the many innovative and iconic playground developments by Playpoint. The company recently won the 2015 LIAS (Landscape Industry Association of Singapore) Award for Playground in Singapore. It bagged Best of Category & Gold Award for Gardens by the Bay, Far East Organization Children's Garden Gold Award for Dulwich College in Singapore. For more information, visit www.playpoint.asia.

Nakheel's AED3 billion hospitality expansion reaches new milestone as first hotel at Ibn Battuta Mall opens for business

Dubai, UAE – The first of two Nakheel hotels at Ibn Battuta Mall in Dubai is now open, marking another major milestone in the developer's AED3 billion hospitality expansion programme. The 372-room hotel, managed by Premier Inn Hotels LLC, was inaugurated on 9 October 2016 at a ceremony led by Nakheel Chairman Ali Rashid Lootah and Adam Nicholls, Managing Director of Premier Inn Hotels LLC. It is the second in a diverse range of 14 Dubai hotels by Nakheel and one of two at the world-famous Ibn Battuta Mall, which is currently undergoing an AED700 million expansion. Nakheel's first hotel, at Dragon Mart, opened earlier in 2016.

Premier Inn Dubai Ibn Battuta is directly connected to both the mall and the Ibn Battuta Metro station. Hotel facilities include an all-day restaurant, Costa coffee shop, swimming pool, gym and business centre with meeting and conference rooms. Guests can also enjoy free, 24-hour Wi-Fi access.

Nakheel Chairman Ali Rashid Lootah said: "Our huge hotel expansion is rapidly gathering pace, and I am delighted to declare Premier Inn Dubai Ibn Battuta officially open and ready for business. This is one of 14 projects in our hotel pipeline that will bring more than 5,200 new hotel rooms to Dubai by 2020, which in turn will contribute significantly to realising the Government's tourism vision. I am delighted to partner with Premier Inn – a globally-renowned operator with a solid track record – for our first hotel at Ibn Battuta, and immensely proud of the teams who have worked to deliver it on schedule."



The new Premier Inn at Ibn Battuta Mall in Dubai.

Winner announced: Archiprix SEA 2016

Bandung, Indonesia – Archiprix SEA (www.archiprixsea.com) is the South East Asia counterpart of Archiprix International (www.archiprix.org), the biennial international competition presenting the world's best graduation projects for architecture, urban design and landscape architecture which has been supported by Hunter Douglas since 2001, held in seven different cities from Europe, Asia, South America and North America.

Similarly, Archiprix SEA has been held biennially since 2012 in Singapore and 2014 in Malaysia, with National University of Singapore (NUS) as the organiser and Hunter Douglas Asia as the primary sponsor.

The recently concluded third edition of Archiprix SEA 2016, held in Bandung, Indonesia hosted by Institute Technology of Bandung (ITB) from October 16-19, announced Hanoi Architectural University, Vietnam, presented by the student, Mr Nguyen Xuan Bach, as the winner of the graduation project amongst the finalist of 20 teams of various SEA countries, from the entry pool of 51 projects submissions from 27 universities in Singapore, Malaysia, Indonesia, Thailand, Laos, Cambodia, Vietnam and Philippines. First prize includes 2 Architour to India, valued at Euro 12,000, cash of SGD 3,000 and a trophy.

Architecture, Urban Design and Landscape Architecture Schools from the ASEAN region were invited to submit their two best students' graduation projects to this competition, Archiprix SEA 2016 for the overarching theme of **"Architecture for the Public Good"** from April and the closed on 31 July 2016.

Archiprix SEA aims to stimulate the introduction of young, talented designers into the world of professional practice, to promote the awareness of good architectural design in the tropics and to encourage students to reflect upon the conditions of their urban, suburban and rural areas and particularly to think about specific attributes of localities to realise tangible ASEAN aspirations in the age of globalisation and technological innovation.

Through this biennial undertaking, it is hoped there will be a greater exchange of ideas among the top regional universities and an increased awareness of the region's built environmental legacies.

The four-day-long competition included among other social activities, a full-day architectural tour, an exhibition and presentation of proposals and two parallel workshops lead by outstanding regional architects and educators who are also part of the Jury.

For more information, visit www.archiprixsea.com.



First prize winner of Archiprix SEA 2016, Mr. Nguyen Xuan Bach of Hanoi Architectural University, Vietnam, with his project title "Trang Tien Cultural Centre of Reading" received the award from Mr. Azeman Ghazali, Regional Sales Director, Hunter Douglas Asia. On their left is Prof. Dr. Ir Widjaja Martokusumo, Dean, School of Architecture, Planning and Policy Development Institut Teknologi Bandung.

Final 20 teams shortlisted

1. Assumption University – Project A (Thailand)
2. Assumption University – Project B (Thailand)
3. Bina Nusantara University – Project A (Indonesia)
4. Chulalongkorn University – Project A (Thailand)
5. Far Eastern University – Project A (Philippines)
6. Hanoi Architectural University – Project A (Vietnam)
7. Ho Chi Minh University of Architecture – Project B (Vietnam)
8. Institute Technology Bandung – Project B (Indonesia)
9. Kasetsart University – Project A (Thailand)
10. Limkokwing Institute of Creative Technology, Borneo Campus – Project B (Malaysia)
11. Norton University – Project A (Cambodia)
12. National University of Singapore – Project A (Singapore)
13. Saint Louis University – Project A (Philippines)
14. Universitas Gadjah Mada – Project A (Indonesia)
15. Universitas Gadjah Mada – Project B (Indonesia)
16. Universitas Indonesia – Project A (Indonesia)
17. Universitas Katolik Parahyangan – Project A (Indonesia)
18. Universitas Katolik Parahyangan – Project B (Indonesia)
19. Van Lang University – Project A (Vietnam)
20. Van Lang University – Project B (Vietnam)



ArchiprixSEA poster



Group photo



Competition and jury session.



Workshop session



Award dinner



Architour group photo

EDL Division – A new gallery launched by EDL to offer laminates for every space and design inspiration

Singapore – EDL, a leading specialist in high pressure laminates, is delighted to announce the opening of a new in-house gallery called 'EDL Division'.

Located at EDL's office building at 43 Sungei Kadut Street 1, the 4,000-square-foot-gallery is the first of its kind gallery for laminates in Singapore. It showcases the entire collection of EDL laminates and gives you the opportunity to select a design for every space or inspiration.

Designed by Formwerkz Architects LLP, EDL Division is envisioned as more than just a gallery; it is celebration of all things laminates through creative collaborations and explorations to break new grounds in design.

Daphne Lim, Director at EDL said: "Since entering the market in 2002, we observed that homeowners are getting more interested and involved in material selection for their homes. In the past, enquiries and walk-ins from end users are virtually unheard of. Now, such visits are increasingly demanded on a regular basis. With EDL Division, we hope to provide an immersive experience that better appeals to the B2C market."

Due to the shift in end user behaviour and B2B strategies, EDL Division has reinvented the conventional interior design showroom by offering a gallery experience that cannot be replicated in the online world. Divided into eight different zones, EDL Division shows design possibilities with laminates.

"EDL Division is a test bed for innovations, where perceptions are changed and ideas challenged. Extending from our collaborative platform EDLX, the gallery demonstrates the vast applications laminates can take on. We hope our efforts in celebrating design possibilities can encourage more creative designs across the industry," said Daphne.

Commenting on the gallery's design concept, Gwen Tan, Partner at Formwerkz Architects said: "Located at Sungei Kadut, EDL Division's site location challenged us to set very high design perimeters to make visitors' journey a worthy one. With this in mind, the typical boundaries and perception of laminate applications have to be redefined. We have hopes for this gallery to become a catalyst for continuous design discourse that inspires many audiences to come."



Daphne Lim, Director at EDL (left) and Gwen Tan, Partner at Formwerkz Architects giving the media a short introduction of EDL Division and the concept behind it, during a media tour held on 9 November 2016.



The Courtyard is a central open space characterised by white wall enclosures. This is a reconfigurable exhibition space that features the design interest of the moment in the form of pop-up installations that pushes the boundaries of laminates. Photo: © EDL



The Woods is a forest-inspired display of EDL's timber grain laminates, an evergreen choice amongst designers and homeowners for its versatility, minimalist aesthetics and durability. It features an iconic profiled plywood landscape backdrop that conceals a physical reference library for timber grain laminates. Photo: © EDL



The Library is a trove of laminates. From timeless classics to the new, smart nanotech material FENIX NTM® Compact, this could be Singapore's largest library of laminates. The space features an extensive floor to ceiling collection for anyone to browse freely for design ideas and references. Photo: © EDL



The POD is a discussion space that supports more private design discourse. Visitors can exchange ideas and make important decisions that transform real space. The creative use of laminates is applied to pre-existing systems, creating interesting vertical blinds that form an inter-changeable backdrop that instantly alters the mood and light effects in The Pod. Photo: © EDL



The Boutique is a resource wardrobe for EDL's pattern decors. Laminates are often said to be akin to clothes for furniture. Here, one can experience a tongue-in-cheek interpretation, where articles of clothing fashioned out of laminates are suspended to visually play with colours and textures. Photo: © EDL



The House is a display of EDL's past and present project models from collaborative platform, EDLX, where EDL collaborates with architects and designers to push the boundaries of laminates. Photo: © EDL



The Bar is a working kitchen covered in EDL Compact's smart nanotech laminate material FENIX NTM®. It is an opaque nanotech material that combines elegant aesthetic solutions with state-of-the-art technological performance. Photo: © EDL



The Market is a retail showcase of various jewellery and product designs by local and international designers from various disciplines. Using EDL laminates and compacts, these are inspirations that push boundaries beyond conventional interior applications. Photo: © EDL

Ascott's expansion hits high gear as it crosses 50,000 units globally with record breaking 10,000 units added in 2016



Metropole in Bangkok, Thailand. Photo: © The Ascott Limited



Pentstudio in Hanoi, Vietnam. Photo: © The Ascott Limited

Singapore – CapitalLand's wholly owned serviced residence business unit, The Ascott Limited (Ascott), has achieved record breaking growth this year by securing more than 10,000 apartment units in 51 properties, bringing the company's portfolio to more than 52,000 units globally. Ascott's latest additions are 10 new management contracts in Hanoi and Halong City in Vietnam; Phnom Penh, Cambodia; Bangkok, Thailand; Metro Manila and Cebu in the Philippines. This comes hot on the heels of Ascott's opening of Metropole Bangkok, Asia's first unique luxury serviced residence under The Crest Collection.

Mr Lee Chee Koon, Ascott's Chief Executive Officer, said: "With these latest additions, Ascott has as at today over 52,000 units in our portfolio. We secured a record over 10,000 units in 2016, making this Ascott's highest increase in inventory count in a single year. Of these new units, 90 percent are located in gateway cities across the Asia Pacific and the Middle East, including countries such as China, India, Indonesia, Japan, Malaysia, Singapore, Vietnam and Saudi Arabia.

This year, Ascott has also opened 20 properties with more than 3,700 units, our fastest pace ever. As more of the newly signed properties come into operation, we can expect a further boost to our management fee income."


As the largest international serviced residence owner-operator in Southeast Asia, the region continues to play a key role in Ascott's expansion strategy. Of the 10,000 units secured this year, half are new contracts in Southeast Asia. Vietnam is one of its best performing countries and largest market in Southeast Asia with the most number of properties as the company seeks to achieve 7,000 units by 2020. Cambodia presents huge untapped potential for Ascott and Thailand is a popular destination for travellers. Demand for serviced residences is set to rise in the Philippines as recent investments in infrastructure and services underpin its economic growth. With growing urbanisation and industrialisation, Ascott will continue to increase its penetration in tier-two and regional cities in Southeast Asia.

The 10 new properties secured are slated to open between 2018 and 2023. A first in Halong City, Citadines Marina Halong, will open in 2020 while Pentstudio in Hanoi will receive guests from 2018. Somerset Meridian Square Phnom Penh and The Park at EM District in Bangkok are both scheduled to open in 2019. In the Philippines, Citadines Manila Bay will open in 2018 while Somerset Valero Makati is set to be operational in 2020. Three properties – Somerset Place Salcedo, Somerset Gorordo Cebu and Citadines Greenhills Manila – are expected to open in 2021 and Citadines Benavidez Makati will welcome its first guests in 2023.

In addition to Metropole in Bangkok, Ascott's three other serviced residences under The Crest Collection are located in Paris, France. La Clef Louvre and La Clef Tour Eiffel are operational while La Clef Champs-Élysées is slated to open in 2018.



The Park at EM District in Bangkok, Thailand. Photo: © The Ascott Limited



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Design Excellence Awards 2016 winners announced

Singapore – The Interior Design Confederation Singapore (IDCS) handed out 118 well-deserved Design Excellence Awards (DEA) to interior design firms and students of design institutions from Singapore and Asia Pacific including Japan and Australia, at an award ceremony held on 28 October 2016 at the STI Auditorium in Capital Tower.

Now in its fourth year, DEA saw a record number of submissions with a collective increase by 100 new entries across all categories from the previous year and entries under the SPADE (Spatial Design Awards) category for institutions seeing a 100 percent increase with a spike in submissions from the Asia Pacific region.

DEA 2016 attracted 280 entries of exceptional design work this year as the competition welcomed practitioners and students in Singapore and across Asia Pacific. 139 entries from interior design firms and 141 from students of design institutions from Singapore and Asia Pacific including Japan and Australia; 41 designers from 35 firms and 19 students from 6 design institutions were awarded a Bronze, Silver or Gold award for their work in interior designs completed between 1 July 2014 – 30 September 2016.

124 entries received for I-DEA (Industry Design Excellence Awards for industry professionals) and 88 for student segment SPADE (Spatial Design Excellence Awards) were shortlisted respectively by the council members of the IDCS, and submitted for judging by the 7 judges from Singapore and Asia Pacific.

Each entry was judged against the following criteria for a maximum score of 100 points:

- Design Concept (40%) - Entries are judged on presence of wow factors, creativity of spatial intervention and unique selling points
- Site Context (30%) - Entries are judged on the extent to which the design relates to the surrounding context
- Value Add (10%) - Entries are judged on the extent to which the design improves existing conditions
- Resources and Limitations (10%) - Entries are judged on the extent to which the design confronts challenges, constraints and limitations

Bronze, Silver or Gold Awards were awarded according to a scoring band, which meant there could be more than 1 Gold Award for each category; This was deemed the fairest method to award all recipients who have upheld interior design professionalism and creativity in their work, irrespective of the number of entries received in a specific category. Similarly, not all categories would have Gold Award winners if the quality of submissions did not meet the criteria set by the council and judges.

250 guests comprising designers, judges, sponsors, organising parties, associates and members of the media, attended DEA 2016 awards ceremony. Awards were given according to design categories including Retail, Hospitality, Workplace, Public, Residential, Installation and Food and Beverage.

“DEA 2016 has proven to be a platform for industry professionals and upcoming talents to receive the recognition and exposure in the design community. It is truly exciting to see the quality of submissions raising the bar each year. It is a clear



George Budiman, President of the IDCS. Photo: © IDCS



Well-deserved winners of the DEA 2016 posing for a photo with judges, President of IDCS - George Budiman and IDCS Council Members. Photo: © IDCS



250 guests comprising designers, judges, sponsors, organising parties, associates and members of the media, attended DEA 2016 awards ceremony. Photo: © IDCS

indication of the potential and promise of what can be expected from the design community moving forward - in Singapore and across the Asia Pacific region. Judges' expectations were surpassed and we are proud to be able to continue striving so that DEA becomes synonymous with design excellence," said George Budiman, President of the IDCS.

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Lendlease unveils plans for Paya Lebar Quarter urban generation project

Singapore – Lendlease has unveiled Paya Lebar Quarter, a new \$3.2 billion urban regeneration mixed-use development, which is designed to bring together progressive workplaces, dining, shopping and generous green public spaces in one precinct.

The project, located in the heart of Paya Lebar, is set to catalyse the area's regeneration into a bustling, pedestrian-friendly new city precinct while retaining its cultural richness. Expected to be completed in phases with retail and commercial in H2 2018 and residential in H1, 2019, Paya Lebar Quarter will be a significant landmark of Urban Redevelopment Authority's (URA) 12-hectare Paya Lebar Central, the most centrally located regional commercial hub in Singapore.

The 3.9-hectare Paya Lebar Quarter comprises of the Paya Lebar Quarter Mall, three Grade A office towers and Park Place Residences.

The Paya Lebar Quarter architecture responds to the area's heritage with inspiration drawn from the intricate weaving patterns of the *Songket*, a traditional brocade textile of the Malay culture; the design language and gold-and-silver colour palette for the façade to seek to unify the buildings and public areas to seamlessly weave the seven buildings into a single tapestry.

One of the significant features of Paya Lebar Quarter is the generous provision of 100,000 square feet of green public spaces (the size of more than 20 basketball courts). These public spaces will be where the community can bond and build a network of relationships through spontaneous interactions and collective celebrations. There will be a covered outdoor event space, which will also help enhance a strong community spirit and culture by hosting large scale celebratory, festive and community events.



Aerial view of the future Paya Lebar Quarter. Photo: © Lendlease

MAD Architects releases their first monograph "MAD Works" published by Phaidon

Beijing, China – The skylines of modern China are punctuated by architecture that amazes, inspires, and awes. Many of these towering and billowing structures are the work of the Beijing-based experimental practice MAD Architects. This fall, Phaidon is publishing MAD Works MAD Architects, the first complete overview of the most important contemporary architecture practice to have emerged from China in the past 15 years.

MAD Architects is a global architecture firm developing futuristic, organic, and technologically advanced designs that also embody a contemporary interpretation of the Eastern affinity for nature. MAD's vision is to create a future that meets the spiritual and emotional needs of residents, striking a balance between humanity and the built environment.

"People often ask what MAD stands for; sometimes, I explain it stands for MA Design, but I like MAD (adjective) Architects better. It sounds like a group of architects with an attitude towards design and practice. I think it is important to practice architecture with an attitude, to be critical and sensitive to the issues and challenges in our world." <italics people to world> Ma Yansong, except from MAD Works

Globally recognised as a creative pioneer, founding principal architect Ma Yansong is a central figure in the worldwide dialogue on the future of architecture. The firm's global presence is unparalleled, especially for a Chinese architecture practice, with projects completed in China, Canada, and Japan, in addition to

on-going international projects located in Italy, France, Turkey, Thailand, Brazil, and the United States. MAD Works not only documents the finished buildings of this international avant-garde architectural firm, but also traces the development of their ideas through associated practice including art, research, and exhibition projects.

MAD Works is illustrated with 300 photographs, architectural drawings, and 3D renderings that provide a thorough exploration of MAD's international portfolio of completed works, unbuilt projects, and future ideas. The book features a significant range of buildings including museums, theaters, and residences, as well as commissioned designs for urban planning, urban complexes, and old neighborhood renovations. In 2014, MAD was selected as the principal design architect for the George Lucas Museum of Narrative Art (LMNA), becoming the first China-based architecture firm to design an overseas cultural institution.

Organised thematically, this comprehensive architectural monograph explores the underlying concepts of MAD's architectural works. MAD Works is divided into five chapters based on a series of creative concepts that reveal Yansong's attitude toward architecture. Named after his five art pieces – Fish Tank, Ink Ice, Feelings are Facts, Shanshui City, and Beijing 2050 – the chapters operate as points of departure and inspiration for his subsequent architectural works. These five concepts categorise and organise the 28 featured works.

HKTDC Hong Kong International Lighting Fair (Spring Edition) 2017 “lights up” the way for market expansion

Hong Kong – HKTDC Hong Kong International Lighting Fair (Spring Edition) 2017 is a leading industry event, which creates opportunities for participants to connect with buyers from all over the world. Its 2016 edition attracted nearly 20,000 buyers from 108 countries and regions, including such renowned names as TASHIBRA (Brazil), Globe Electric Company Inc (Canada), B&Q China (the Chinese mainland), Moebel Rieger GmbH & Co. KG (Germany), Crompton Greaves Limited (India), Landmark Group (UAE), and EpiCentre K (Ukraine).

Organised by the Hong Kong Trade Development Council (HKTDC), the fair hosted more than 1,300 exhibitors in 2016. The fair’s exhibitor profile represents the industry trends in lighting, such as energy-efficient products and smart lighting solutions, the new frontier of lighting technology.

Your place in the spotlight

To draw maximum attention from buyers, exhibitors are grouped in thematic zones. For 2017 these include Advertising Display Lighting, Avenue of Chandeliers, Business of IP Zone, Commercial Lighting, Decorative Lighting, LED & Green Lighting, Lighting Accessories, Parts & Components, Outdoor Lighting, and Trade Service & Publications.

Highlight Zones

- **Hall of Aurora** is the perfect environment to attract buyers of branded collections.

- **LED & Green Lighting** is one of the fastest-growing sectors in the lighting industry.

- **World of Professional and Industrial Lighting** encompasses a variety of situation-specific lighting, providing a showcase for lighting for warehousing and other commercial purposes, safety lighting and emergency lighting.

- **Avenue of Chandeliers** creates a stunning showplace for the chandelier lighting, which is so desirable to buyers.

- **Advertising Display Lighting** offers a themed space for lighting products used for advertising, promotions or marketing purposes.

Events around the Fair

The Networking Reception is an international gathering of lighting professionals in an informal atmosphere to relax, exchange notes and make new contacts. A programme of seminars and forums explores many aspects of the lighting industry, from lifestyle trends to emerging markets.

HKTDC Hong Kong International Lighting Fair (Spring Edition) 2017 takes place from 6-9 April 2017 at the Hong Kong Convention and Exhibition Centre. **For more information, visit www.hktdc.com/ex/hklightingfairse/34.**



Photos: © HKTDC

Hoang Thuc Hao wins coveted SIA-Getz Architecture Prize 2016



Minister for Culture, Community and Youth, Ms Grace Fu (3rd from left) presented the SIA-Getz Architecture Prize for Emergent Architecture in Asia 2016 to Mr Hoang Thuc Hao from Vietnam (2nd from left) this evening (11 November 2016). Mr Ong Tze Boon, President, Singapore Institute of Architects (SIA)(extreme left) and Mr Ray Simkins, President, The Getz Group (extreme right).

Singapore – Vietnamese architect Mr Hoang Thuc Hao has been named as the Laureate of the SIA-Getz Architecture Prize 2016.

Highlighting his distinct architectural philosophy and the significance of his works, the SIA-Getz Architecture Prize jury was impressed by Mr Hao's cultural sustainability philosophy.

"We felt that Mr Hao's work is a great example of how architecture can be contextual and yet liberating for the underprivileged. It goes beyond building sustainability in that he addresses cultural sustainability in his works, an aspect often neglected in developing economies," said Mr Richard Ho, Chair of the jury panel.

Mr Hao is the sixth recipient of the SIA-Getz Architecture Prize for Emergent Architecture in Asia. Ms Grace Fu, Minister for Culture, Community and Youth presented the prize medallion to Mr Hao at an award presentation



Laureate of SIA-Getz Architecture Prize for Emergent Architecture in Asia 2016, Mr Hoang Thuc Hao (3rd from right) together with renowned architects from the International Jury Panel (Left to Right) Mr Manit and Ms Sonali Rastogi (Morphogenesis and Prize Co-Laureates 2014, India); Ar. Sathirut Nui Tandanand (President, Architects Regional Council Asia (ARCASIA), Thailand); Mr Tony Grist (HASSELL, Australia); Mr Rocco Yim (Rocco Design Architects Limited, Hong Kong) (2nd from right); and Mr Ong Tze Boon (President, 56th Council 2016-2017, Singapore Institute of Architects) (Far right).

ceremony at The Star Performing Arts Centre on 11 November 2016.

"I am honoured to be the Laureate for the SIA-Getz Architecture Prize 2016. I see this Award as a recognition of my work among the under-privileged and rural communities. Many parts of Asia are still rural and under-developed. I do hope that more architects will step up to bring creative and sustainable solutions to the architectural needs of rural and underprivileged communities. Thank you Singapore Institute of Architects and Getz Bros!" said Mr Hoang Thuc Hao.

Mr Hao is the Founder and Chief Architect of his firm 1+1>2 International Architecture J.S.C. in Hanoi, Vietnam. In the past 10 years, besides working on urban projects, Mr Hao and his firm have completed more than 30 other community projects. According to Mr Hao, practicing in community architecture has helped him reveal the beauty of local values; and given him

the happiness of the ability to connect people and support them. His completed community projects include: Cam Thanh Community House in Vietnam, Happiness Center in Bhutan, Earth Village in Vietnam, and Suoi Re Community House in Vietnam. (More information on the projects can be found at <http://hoangthuchao.com>)

The Jury panel of the SIA-Getz Architecture Prize 2016 was chaired by Mr Richard Ho (Richard HO Architects, Singapore) and comprised of Mr Mochamad Ridwan Kamil (Urbane Indonesia PT and Mayor, Bandung, Indonesia); Mr Rocco Yim (Rocco Design Architects Limited, Hong Kong); Mr Tony Grist (HASSELL, Australia); Ar. Sathirut Nui Tandanand (President, Architects Regional Council Asia (ARCASIA), Thailand); and Mr Manit and Ms Sonali Rastogi (Morphogenesis and SIA-Getz Architecture Prize Co-Laureates 2014, India).

"It is encouraging that more award winning architects are being nominated over the years. There were about 20 nominations from 10 countries this year – our largest number to date. I'm pleased that the SIA-Getz Architecture Prize is gaining momentum and ranks alongside established international awards," said Mr Ong Tze Boon, President, 56th Council 2016-2017, Singapore Institute of Architects.

"Getz is delighted to have supported the Prize for a decade. Getz will be celebrating its presence in Singapore for 100 years next year. Our association with the Prize is a fitting tribute to our contribution to Asia for over a century. It brings me great pride to see the Prize mature and gain recognition from leading architects all over Asia," said Mr Ray Simkins, President, The Getz Group.

The next SIA-Getz Architecture Prize for Emergent Architecture in Asia, will tentatively, be held in 2018.

Raffles Hotel Singapore to embark on restoration programme

Singapore – Raffles Hotel Singapore, the iconic luxury property managed under the award-winning international hospitality group, Raffles Hotels & Resorts, has announced that it will embark on a careful and sensitive restoration programme. The restoration of this acclaimed heritage hotel, owned by Katara Hospitality, a globally recognised hospitality owner, developer and operator, will be conducted over three phases to ensure every detail of the programme is approached with careful consideration.

Phase One of the programme will begin in January 2017 and see the Raffles Hotel Arcade undergo restoration works while other areas of the property operate as normal. The Raffles Hotel Arcade is an integral part of this landmark building, offering a broad range of facilities for visitors to enjoy.

Phase Two will begin in mid 2017 when restoration efforts will commence on the main hotel building and Lobby as well as a portion of the hotel suites. Following that, Raffles Hotel Singapore will close for the final phase near the end of 2017 before a grand reopening in the second quarter of 2018.

"Raffles Hotel Singapore has always evolved to stay distinctive and relevant, moving with the times and adapting to the changing needs of today's traveller. We have a rich and colourful history and are about to begin a new chapter in our ongoing story – a sensitive restoration that will enable us to continue to offer what our guests expect and value," said Ms Diana Banks, Vice President, Raffles Brand, Raffles Hotels and Resorts.

The restoration project will be led by Aedas Singapore, a leading global architecture and design firm who was behind restoration projects including the London Coliseum and the revitalised Mallory Street/Burrows Street in Wan Chai, Hong Kong. The interiors of the project will be handled by award-winning designer Alexandra Champalimaud who has worked with many high profile luxury hotels around the world including New York's The Plaza, Hotel Bel-Air in Los Angeles, The Dorchester in London and the Waldorf Astoria in New York.



Raffles Hotel Singapore Façade. Photo: © Raffles Hotel Singapore

Delos™ and HOK Partner to accelerate health and well-being in the built environment

New York, USA – Delos™, a wellness real estate and technology firm, has announced a partnership with HOK, a global design, architecture and engineering firm, to accelerate the organisation's mission to integrate health and wellness into the built environment. The new partnership will leverage HOK's worldwide network of designers and clients to further expand the global reach of the WELL Building Standard™ (WELL™).

As part of this partnership, HOK is undertaking a major initiative to educate and professionally accredit its design teams through the WELL Accredited Professional (WELL AP™) programme, a credential signifying advanced knowledge of health and well-being in the built environment and specialisation in WELL. HOK also will collaborate with the International WELL Building Institute™ (IWBI™) to provide research and insight from subject matter experts that will strengthen the foundation of WELL.

"HOK is recognised globally as a champion of environmental stewardship through sustainable design, and we are thrilled to partner with them to advance our efforts to achieve broad industry adoption of the WELL Building Standard," said Delos Founder and CEO Paul Scialla.

"HOK has already designed the world's first project certified under v1 of WELL, and we look forward to continuing to collaborate with them to propel the design and construction community forward to build WELL," added Mr Scialla.



Paul Scialla

Goettsch Partners and Lead 8 design five-building China Horoy Qianhai Guanze mixed-use complex in Shenzhen

Chicago, Illinois, USA – Chicago-based architecture firm Goettsch Partners (GP) and Hong Kong-based multidisciplinary architecture and design studio Lead 8 have designed a five-building, 320,000-square-metre mixed-use complex in the Qianhai district of Shenzhen, China. The project is being developed by Horoy Qianhai International Holdings Limited and will be situated on a five-parcel site.

The China Horoy Qianhai Guanze mixed-use development is a holistic design, integrating two Class A office towers, a five-star hotel, 50,000 square metres of retail and two serviced apartment buildings respectively. The project vision is to create a new urban complex and an alternative outdoor experience, with accompanying retail and commercial activities for the new emerging financial district in Shenzhen.

Lead 8 designed the overall master plan for the development and is directing the planning and design of all the retail and the two apartment buildings. GP is leading the planning and design for the two office towers and the hotel.

"This project will have a major impact on the evolving Qianhai district," said James Zheng, AIA, LEED AP, President of Goettsch Partners.

"We are honoured to be working with Horoy Holdings along with GP on this prestigious development in Qianhai," said David Buffonge, Cofounder and Executive Director of Lead 8.

The project is currently in the design development phase and is scheduled to start construction in mid-2016.



Photo: © Goettsch Partners

Foster + Partners to refurbish ZSL London Zoo's Snowdon Aviary

London, UK – Foster + Partners has been appointed to redevelop the iconic Snowdon Aviary at ZSL London Zoo. The Grade II* listed structure, designed by Cedric Price with Frank Newby and Lord Snowdon in 1962, was the first aviary in Britain that offered visitors a 'walk-through' experience, bringing them closer to the birds in their natural habitat. The structure will now be modernised and upgraded to provide a brand new walk-through home for the Zoo's troop of colobus monkeys.

ZSL London Zoo is an unusual microcosm of British architectural history. Since its earliest days, it has been a proud patron to many leading architects, and is today home to many notable works of architecture. Decimus Burton, who designed the Clock Tower and Giraffe House in the mid-1800s; Tecton, who were responsible for the Grade I listed Penguin Pool and Round House gorilla enclosure in the 1960s; Sir Hugh Casson and Neville Condor, architects of the Elephant House during the same period; have all contributed to this extraordinary collection of pioneering structures at the Zoo.

Earlier this year, ZSL secured the first stage of a Heritage Lottery Fund (HLF) to conduct the research and planning phase of the Snowdon Aviary renovation project. Norman Foster, Chairman and Founder, Foster + Partners:

"We are honoured and delighted to be working on the redevelopment of the Snowdon Aviary – a rare example of a completed work by Cedric Price. I also have a particular personal affection for it as it shows most strongly the influence of our mutual friend and mentor Buckminster Fuller. The redevelopment of the aviary is a unique opportunity to preserve this exceptional structure and the legacy of pioneering architecture at ZSL London Zoo. It will be a great privilege to be able to contribute to the tradition of contemporary architectural additions at one of London's most cherished institutions."



Photo: © Daniel Sprawson/ZSL

Naive Slimtech by Patrick Norguet given the Special Mention of the German Design Award 2017

Fiorano, Italy – Naive Slimtech, the Lea Ceramiche collection designed by Patrick Norguet, received the Special Mention of the German Design Award 2017 in the "Materials and Surfaces" category.

This important recognition was awarded by an International Jury which met on 21 and 22 July 2016 in Frankfurt. The award-winning products were evaluated based on the particular technical and design solutions that they offer.

The major awards in 2016, for Naive Slimtech by Patrick Norguet from the German Design Award and the Special Mention at the XXIV Compasso d'Oro ADI awarded to Type 32 Slimtech by Diego Grandi, highlight and acknowledge the commitment and the choices undertaken by Lea Ceramiche towards careful technical and technological research, without neglecting the aesthetic and functional aspect of the products.

The official award ceremony of the German Design Award 2017 will take place in Frankfurt as part of the Environment 2017 fair.



Naive Slimtech by Lea Ceramiche. Photo: © Lea Ceramiche

2017 Moriyama RAIC International \$100,000 (CAD) Prize for Excellence in Architecture now accepting submissions

Ottawa, Canada – The Royal Architectural Institute of Canada (RAIC) is pleased to begin accepting submissions for the 2017 Moriyama RAIC International Prize.

The Prize, which was established in 2014 by Canadian architect Raymond Moriyama along with the RAIC and the RAIC Foundation, consists of a monetary award of CAD \$100,000 and a handcrafted sculpture designed by Canadian designer Wei Yew. The Prize celebrates a single work of architecture that is judged to be transformative within its societal context and reflects Moriyama's conviction that great architecture transforms society by promoting social justice and humanistic values of respect and inclusiveness.

The Prize, awarded every two years, is open to all architects, irrespective of nationality and location. Any architect, team of architects, or architect-led collaboration is invited to submit a building or a related group of buildings that has been completed, occupied and in use for at least two years prior to the entry deadline. Candidates are limited to a single submission per award cycle.

The winner is selected in an open, juried competition. An international jury of experts will consider a range of criteria in the evaluation of submissions and intends to include site visits to shortlisted projects in the search for a work of architecture that is inspired as well as inspiring.

In 2014, the inaugural winner of the Moriyama RAIC International Prize was Li Xiaodong of China. "Winning this award has brought me honour, international recognition and greater credibility and support for my approach to architecture," said Li, who will sit on the 2017 jury.

The members of the 2017 Moriyama RAIC International Prize jury are:

- **Monica Adair, MRAIC:** Co-founder of Acre Architects and 2015 Recipient of the RAIC Young Architect Award.
- **Manon Asselin, MRAIC:** Co-founder of Atelier TAG and Associate Professor of Architecture at the University of Montreal.
- **Bryan Avery, MBE:** Founder of Avery Associates Architects, London, England, author and lecturer.
- **George Baird, FRAIC:** Founding Principal of Baird Sampson Neuert Architects, former Dean of the John H. Daniels Faculty of Architecture, Landscape, and Design at the University of Toronto, and Recipient of the 2010 RAIC Gold Medal.
- **Peter Cardew, FRAIC:** Founder of Peter Cardew Architects, and Recipient of the 2012 RAIC Gold Medal.
- **Barry Johns, FRAIC:** Jury chair, Chancellor of the College of Fellows.
- **Li Xiaodong:** Winner of the inaugural Moriyama RAIC International Prize.

David Covo, FRAIC, Associate Professor of Architecture at McGill University, will act as the Professional Advisor to the jury.

The RAIC is also pleased to announce that the 2017 Moriyama RAIC International Prize winner will be invited to participate in the following edition's jury, thus establishing a link between participants, winners and jurors.

All submissions are due by 8 March 2017. The winner of the 2017 Prize will be announced on 19 September 2017 at a gala event in Toronto at The Carlu, an historic event space in Toronto and one of the city's best examples of Art Moderne architecture.

For more information, visit <https://moriyama.raic.org>.



ASLA launches new and improved online learning website

Washington, D.C., USA – The American Society of Landscape Architects (ASLA) launched a new and improved online learning website that continues to provide information on new and evolving practices and products and offers a convenient and affordable way to earn the professional development hours (PDH) needed to meet state licensure requirements.

PDH are approved by the Landscape Architecture Education System (LA CES) and can be earned after viewing a presentation by completing and passing a self-study exam. ASLA members' online learning profile will keep a record of webinars purchased and PDH certificates received, giving them the opportunity to view them at their own pace, on their schedule.

The online learning website provides more than 100 recorded presentations for on-demand viewing including:

- ASLA annual meeting education session recordings
- Professional Practice Network (PPN) Online Learning series
- Student and Emerging Professionals SPOTLIGHT miniseries
- Sustainable SITES Initiative™ (SITES®) education
- Landscape Architect Registration Examination (L.A.R.E.) prep
- 22 topic areas including accessibility/ADA, ecology and restoration, international practice, project management, resilient design, transportation/complete streets and more



Photo: © ASLA



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Herzog & de Meuron wins Royal College of Art Design Competition

London, UK – The Royal College of Art (RCA) announced that Herzog & de Meuron has won the invited competition to appoint architects for its new state-of-the-art £108m Battersea South campus.

The acclaimed practice, a laureate of both the Pritzker Architecture Prize and the Praemium Imperiale, was the clear choice of the competition jury, who assessed an exceptional shortlist of seven international architectural practices.

The competition – for a strategic design approach to a new centre for the world’s pre-eminent art and design university’s Battersea campus – was distinctive for its strong engagement with the existing College buildings and wider surroundings in Battersea.

The six runner-up practices (in alphabetical order) were:

- **Christian Kerez** (Switzerland)
- **Diller Scofidio + Renfro** (US)
- **Lacaton & Vassal** (France)
- **Robbrecht en Daem architecten** (Belgium)
- **Serie Architects** (UK/Singapore)
- **Studio Gang** (US)

The RCA is transforming into a dynamic STEAM-focused graduate university (Science, Technology, Engineering, Art, and Mathematics/Medicine), expanding its research and knowledge exchange centres into the domains of computer and materials science, the impact of the digital economy, advanced manufacturing and intelligent mobility.

Bringing together the worlds of science, art, design and technology, the RCA aims to make a transformational impact in areas such as: connected cities; robotics, the internet of things and intelligent mobility; and sustainability, mass migration and city design.

The Competition Jury declared that Herzog & de Meuron’s approach demonstrated a deep understanding of the potential for Battersea, making new connections and foreseeing the possibilities for sustainable place-making. Their concept provided a clear organisational structure and showed an acute sensibility in mapping the complex objectives in the brief.

Dr Paul Thompson, Rector of the RCA and Chair of the Architectural Selection Panel (ASP), said: “We set out a competition to find the very best architect to crystallise our vision for a new heart to the Battersea campus; we were very impressed by Herzog & de Meuron’s mastery of our brief. We are looking forward to working with Herzog & de Meuron to develop a concept, in consultation with our partners and stakeholders.”

Pierre de Meuron, Herzog & de Meuron, said: “We are delighted to win the competition. The RCA set a challenging brief to look forward and visualise the spaces they will need to deliver innovation and expertise. The Battersea site offers an opportunity to rethink the RCA campus and establish the patterns of connectivity and organisation that will make a successful building.”

Working closely with the RCA, competition organisers Malcolm Reading Consultants developed a competitive selection model that combined an invited process for creative leadership alongside the selection of other professional services from the Multidisciplinary Panel, a widely-used technical framework operated by the Homes and Communities Agency (HCA). The seven finalist teams were selected from a total of ninety-seven Expressions of Interest received from practices around the world.

The Royal College of Art will now work with Herzog & de Meuron and Mott MacDonald & Equals Consulting, who are leading the multidisciplinary professional team, to develop the initial concept design.



Photo: © 2016, Herzog & de Meuron

BSRIA calls for industry stability after US Presidential Election result

London, UK – BSRIA has commented after Donald Trump became the 45th President of the USA, calling for stability in the construction industry.

Julia Evans, Chief Executive, BSRIA, said: “The decision is out and America has voted. BSRIA is now calling for confidence in the construction industry after a period of uncertainty. It is essential that industry markets remain stable.

The potential impact on the industry must be safeguarded: in essence it must be business as usual, especially in terms of investment for the industry.

Industry must now question the impact of trade deals, barriers and globalisation. Much vacillating industry economic indecision had already been evident in the build up to the presidential race which was detrimental to our industry. We do not need more.”

“BSRIA and its members are keen to learn more about the President-Elect’s environmental and sustainable trade strategies. Following the UK’s decision to leave the European Union, we must now do all we can to make it easier to trade, invest and drive prosperity on both sides of the Atlantic,” she added.

BSRIA is a non-profit distributing, member-based association, providing specialist services in construction and building services.



Julia Evans. Photo: © BSRIA

Forest Green Rovers announce stadium design winner Zaha Hadid Architects

London, UK – Following a seven month international competition, Forest Green Rovers has selected the winning design for its new football stadium in Stroud, UK. Rovers announced the competition in March 2016, and quickly received over 50 entries from around the world, including Sweden, Germany, France, Britain and the United States. In May, the club shortlisted nine entries, and gave them all two months to work up their concepts, which were reviewed over two days in August, leading to the selection of two finalists. The final two were given another two months to take their concepts further, including a scale model. The competition is now over, and the winning design comes from Zaha Hadid Architects.

Dale Vince, Ecotricity founder and Forest Green Rovers chairman, said: “Zaha Hadid Architects has built some fantastic sports stadia and facilities around the world, including one at the Olympic Park in London, they’ve designed one of the stadiums for the 2022 World Cup, and now they’ve designed one for Forest Green.

“The really standout thing about this stadium is that it’s going to be almost entirely made of wood – the first time that will have been done anywhere in the world.”

“The importance of wood is not only that it’s naturally occurring, it has very low embodied carbon – about as low as it gets for a building material. And when you bear in mind that around three quarters of the lifetime carbon impact of any stadium comes from its building materials, you can see why that’s so important – and it’s why our new stadium will have the lowest embodied carbon of any stadium in the world. We’re thrilled with the concept and the amount of thought Zaha Hadid Architects put into their design – their experience of stadia design and their ability to put environmental issues at the heart of what they do really stood out. They took a really challenging brief, ran with it, and have given us an innovative and original new stadium,” added Mr Vince.

Jim Heverin, Director at ZHA, said: “We are very proud to be selected to design the new home for Forest Green Rovers that will not only be a new stadium but also an important addition for the community. The club’s heritage, ambition and vision reflect our own, combining the latest material research and construction techniques with new design approaches to build a more ecologically sustainable and inclusive architecture.”



Exterior of Forest Green Rovers. Render by VA.

10 world-class teams compete to design new National Holocaust Memorial next to UK Parliament

London, UK – The Government of UK announced the 10 world-class teams that have been selected from almost 100 entries to create designs for the striking new National Memorial to the Holocaust being built next to Parliament. They will be judged by a high-profile independent jury of figures in British culture, architecture and religion, including Communities Secretary, Sajid Javid, Mayor of London, Sadiq Khan, the Chief Rabbi, Ephraim Mirvis, and broadcaster, Natasha Kaplinsky.

The shortlisted design teams includesomeofthemostinternationally renowned architects and artists working together, as well as exciting new talents.

- **Adjaye Associates (UK)** with designer Ron Arad Associates
- **AlliedWorks (US)** with artist Robert Montgomery
- **Caruso St John (UK)** with artist Rachel Whiteread
- **Diamond Schmitt Architects (CA)** with landscape architect Martha Schwartz Partners
- **Foster + Partners (UK)** with artist Michal Rovner
- **heneghan peng architects (IE)** with multidisciplinary designers Bruce Mau Design
- **John McAslan + Partners (UK)** with emerging US practice MASS Design Group
- **Lahdelma&MahlamäkiArchitects (FI)** with UK based David Morley Architects
- **Studio Libeskind (US)** with emerging UK practice Haptic Architects
- **Zaha Hadid Architects (UK)** with artist Anish Kapoor

After a period of public consultation, seeking views from all communities across the UK, the winning team will be selected by an independent jury chaired by Sir Peter Bazalgette.

Jury members include:

- **Sir Peter Bazalgette (Jury Chair)**, Chair, United Kingdom Holocaust



Photo: © Malcolm Reading Consultants and Emily Whitfield-Wicks

- **Memorial Foundation and Chair**, ITV Board
- **Chief Rabbi Ephraim Mirvis**, Chief Rabbi of the United Kingdom
- **Rt Hon Sajid Javid MP**, Secretary of State for Communities and Local Government
- **Rt Hon Sadiq Khan**, Mayor of London
- **Ben Helfgott MBE**, Holocaust Survivor, Honorary President, '45 Aid Society and President, Holocaust Memorial Day Trust
- **Sally Osman**, Director of Royal Communications
- **Loyd Grossman CBE**, Chair of Royal Parks
- **Alice M Greenwald**, Director, National September 11 Memorial and Museum
- **Lord Daniel Finkelstein OBE**, Journalist
- **Baroness Kidron OBE**, Film director and crossbench peer
- **Dame Julia Peyton-Jones**, Former Director of the Serpentine Galleries
- **Paul Williams OBE**, Director, Stanton Williams Architects
- **Charlotte Cohen**, Prime Minister's Holocaust Youth Commissioner

- **Natasha Kaplinsky**, Broadcaster, Natasha recently recorded the testimony of over 100 Holocaust survivors and camp liberators.

Competition organiser, Malcolm Reading will advise the jury. The international design competition, announced by Prime Minister Theresa May in September 2016, attracted almost 100 entries from 26 countries. The 10 shortlisted teams are now invited to submit designs for a striking new National Memorial in Victoria Tower Gardens, including a possible below ground Learning Centre, which will be taken forward subject to technical, financial, planning and other constraints.

Secretary of State for Communities and Local Government Sajid Javid said: "I am delighted that such an impressive line-up of the world's best architects, artists and designers are getting involved and helping create our new National Memorial to the Holocaust. It will stand as a permanent reminder of where prejudice and hatred can lead and it will show our commitment to the fight against anti-Semitism, in all its forms."

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16-19 Mar 2017

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Email: marzuki.herry@reedpanaroma.com
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ASEAN Sustainable Energy Week 2017

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Website: www.asew-expo.com

30 Mar – 1 Apr 2017

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6-9 Mar 2017

Xiamen Stone Fair

Xiamen International Conference & Exhibition Center (XICEC)
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5-6 Apr 2017

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Award-winning restoration projects get accolades

At a presentation ceremony held at Capitol Singapore on 6 October 2016, four winners were conferred the URA Architectural Heritage Awards 2016 for their exceptional work in heritage building conservation and restoration. Now in its 22nd year, the annual Awards also promote public awareness and appreciation of quality restoration of monuments and buildings with preservation and conservation status in Singapore. With these four winners, there are now a total of 128 projects that have received the Awards.

Prizes were awarded to the following projects:

- 225A Queen Street, Roman Catholic Church of Saints Peter & Paul
- 3 Muscat Street, Sultan Mosque
- 72 Club Street, Goh Loo Club
- 13, 15, 17 Stamford Road, Capitol Singapore

Awards Scheme

There are two categories for the URA Architectural Heritage Awards.

Award for Restoration

This is for projects, which demonstrate exemplary restoration of gazetted heritage buildings and they stand out for adherence to the three 'R' principles of maximum retention, sensitive restoration and careful repair, as well as the "top-down" approach.

Award for Restoration and Innovation

This is for integrated "old" and "new" developments which demonstrate exemplary restoration of gazetted heritage buildings, innovation and architectural excellence of the new developments and how the "new" draw inspiration from and enhance the "old".

Special Mention (New)

From this year onwards, a 'Special Mention' award has been formalized. At the discretion of the Assessment Committee, a project may be given 'Special Mention' for commendable efforts in some aspects of the restoration work.

Award winners for Restoration

■ 225A Queen Street, Roman Catholic Church of Saints Peter & Paul

Having undergone numerous and drastic physical changes since its founding in 1870, the Roman Catholic Church of Saints Peter & Paul has been restored, regaining its century-old splendour and acquiring upgrades that are faithful to the spirit of the original.

Owner: Titular RC Archbishop of Singapore

Architect: RDC Architects Pte Ltd

Engineer: ECAS-EJ Consultants Pte Ltd

Contractor: Towner Construction Pte Ltd

Newly designed lamps. Photo: © Urban Redevelopment Authority. All rights reserved.





Old marble aisle. Photo: © Urban Redevelopment Authority. All rights reserved.



Harmony of East and West. Photo: © Urban Redevelopment Authority. All rights reserved.



This monument has been delicately refreshed. Photo: © Urban Redevelopment Authority. All rights reserved.



Old timber doors reconditioned. Photo: © Urban Redevelopment Authority. All rights reserved.



Restored ceiling ribs. Photo: © Urban Redevelopment Authority. All rights reserved.

3 Muscat Street, Sultan Mosque

Carefully reconditioned and upgraded, this national monument now assumes an even more prominent role in fostering a cohesive spirit, within the multi-ethnic Muslim community it serves and beyond.

Owner: Majlis Ugama Islam Singapore
Board of Trustees & Mosque Management Board,
Sultan Mosque

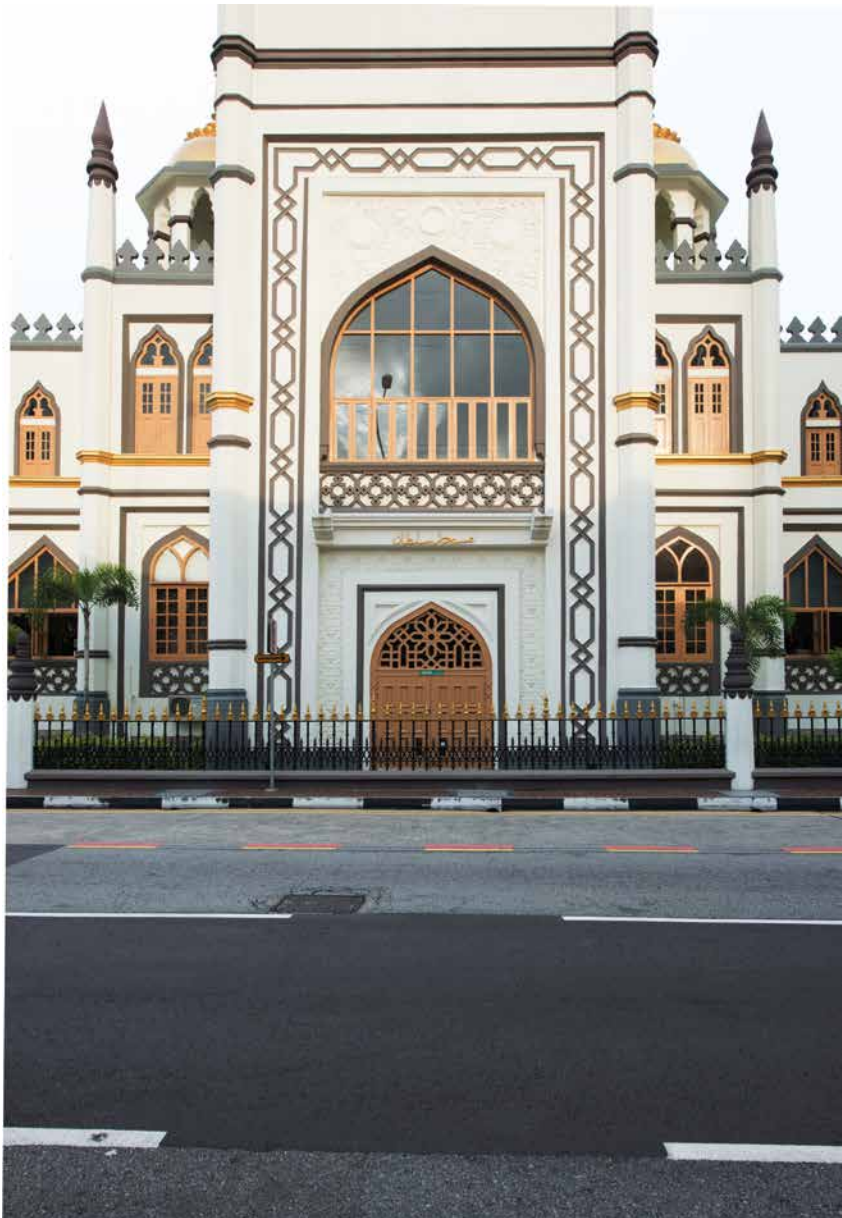
Architect: Interconsultants Pte Ltd

Engineer: Lee & Lee Consultant Pte Ltd

Contractor: Tang's Engineering Pte Ltd



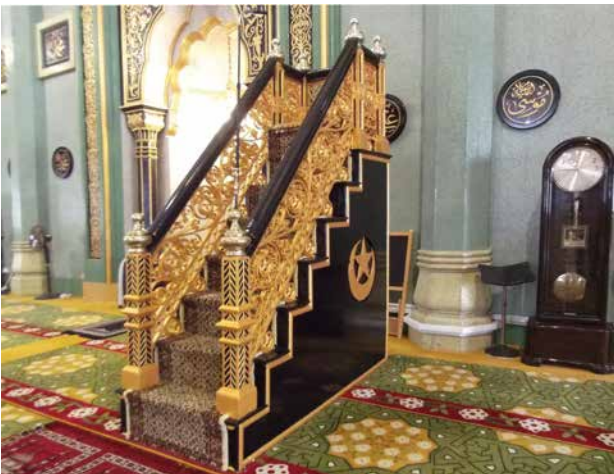
New colour scheme to give a stately appearance.
Photo: © Urban Redevelopment Authority. All rights reserved.



Original woodwork retained. Photo: © Urban Redevelopment Authority. All rights reserved.



Plaster details cleaned, restored and repainted in new scheme with consideration of maintenance.
Photo: © Urban Redevelopment Authority. All rights reserved.



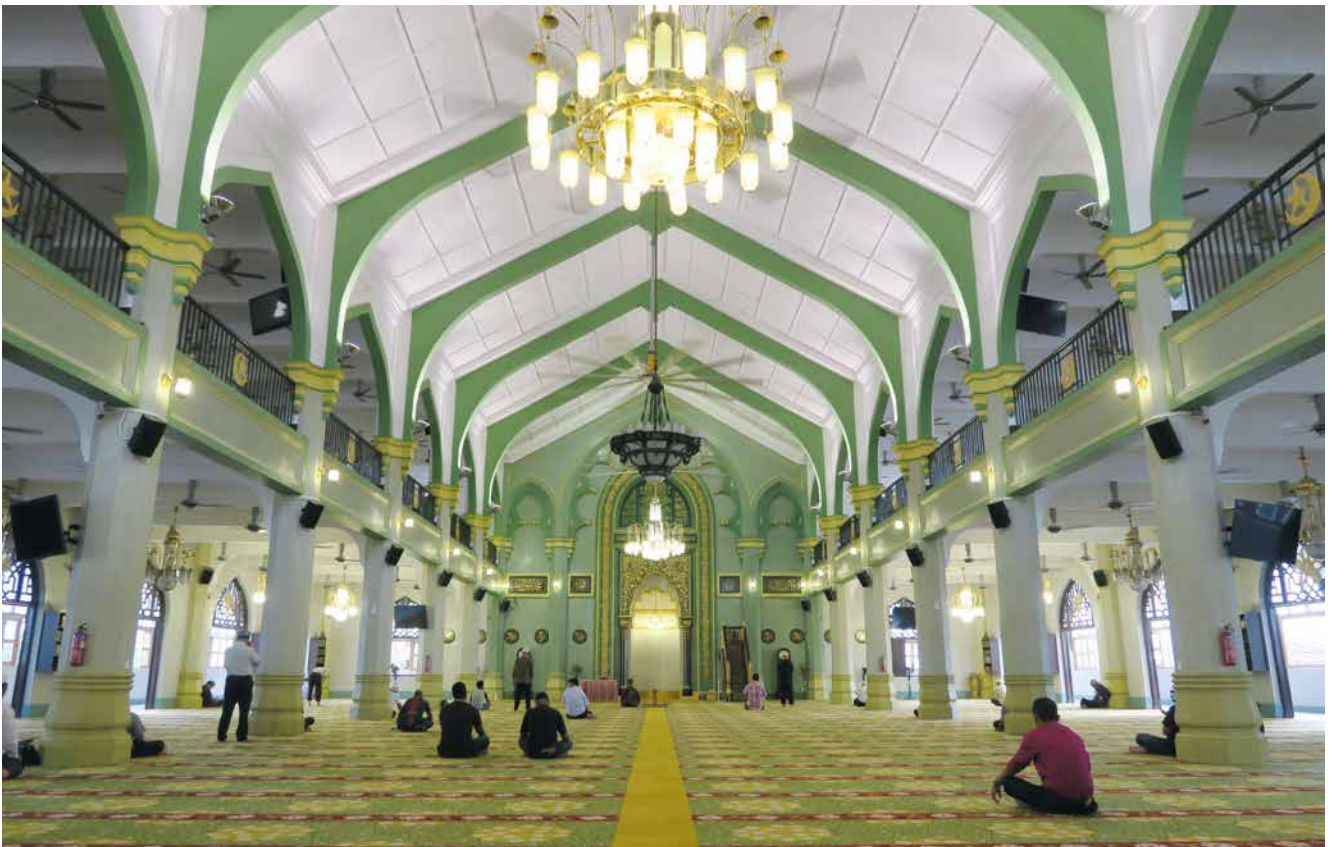
Restored minbar. Photo: © Urban Redevelopment Authority. All rights reserved.



Prayer hall. Photo: © Urban Redevelopment Authority. All rights reserved.



New glass lift. Photo: © Urban Redevelopment Authority. All rights reserved.



Historic interior enhanced by showcasing the arches. Photo: © Urban Redevelopment Authority. All rights reserved.

■ **72 Club Street, Goh Loo Club**

About a century old, this three-storey building, formerly a gentlemen’s club, has been devotedly restored, recovering its rich heritage and reconnecting to its old neighbourhood with renewed verve and purpose.

Owner: Sit Giap Company (Private) Limited

Architect: Artprentice

Engineer: Yan Consultants

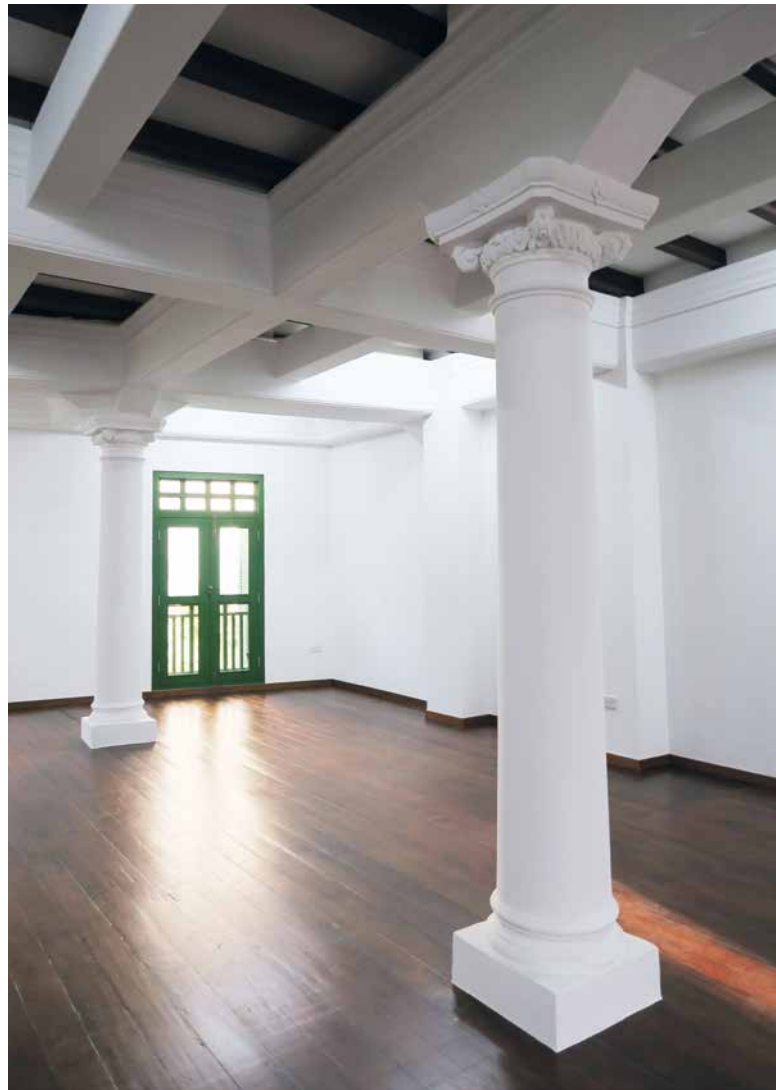
Contractor: Jinmac Pte Ltd



The heritage of the club was rediscovered and made visible. Photo: © Urban Redevelopment Authority. All rights reserved.



Open rear court recovered. Photo: © Urban Redevelopment Authority. All rights reserved.



Hidden columns unveiled. Photo: © Urban Redevelopment Authority. All rights reserved.



Antique granite carvings. Photo: © Urban Redevelopment Authority. All rights reserved.



Glazed balustrades cleaned. Photo: © Urban Redevelopment Authority. All rights reserved.



1950s grille retained. Photo: © Urban Redevelopment Authority. All rights reserved.



Bricks were salvaged and reused in the interiors. Photo: © Urban Redevelopment Authority. All rights reserved.

Award for Restoration and Innovation

■ 13, 15, 17 Stamford Road, Capitol Singapore

Dormant for over a decade, this once-popular leisure venue comprising three iconic buildings built in the early to mid-1900s, has regained its position as an important cultural and social landmark. Its revival has been further enhanced by the introduction of vibrant new urban spaces that honour the past and celebrate the future.

Owner: Capitol Retail Management Pte Ltd (Trustee-manager of Capitol Retail Trust)
Capitol Hotel Management Pte Ltd (Trustee-manager of Capitol Hotel trust)
Capitol Residential Development Pte Ltd

Architect: Architects 61 Pte Ltd

Engineer: Arup Singapore Pte Ltd

Contractor: Shimizu Corporation

Conservation Specialist: Studio Lapis



A major urban precinct has been revived through restoration. Photo: © Urban Redevelopment Authority. All rights reserved.



Painstakingly researched and restored ceiling. Photo: © Urban Redevelopment Authority. All rights reserved.



Period sign and balustrades. Photo: © Urban Redevelopment Authority. All rights reserved.



Pictured top left: Art Deco neon sign revived. Photo: © Urban Redevelopment Authority. All rights reserved.

Pictured top right: Pegasus reliefs were carefully cleaned. Photo: © Urban Redevelopment Authority. All rights reserved.

Pictured left: Grand Art Deco interior revived in glorious detail. Photo: © Urban Redevelopment Authority. All rights reserved.

Special Mention

30 Beach Road, South Beach has received a 'Special Mention' for the historical research, approach, preparations and technical expertise that went into its restoration work.

Owner: South Beach Consortium Pte Ltd

Architect: Aedas Pte Ltd

Engineer: Arup Singapore Pte Ltd

Contractor: Hyundai Engineering & Construction Pte Ltd

Conservation Specialist: Studio Lapis



Photo: © T3 / Photographer: Laurent WEYL

SUTRIX MEDIA FIT OUT

SUTRIX Media, one of the biggest IT company based in Vietnam approached T3 Architecture Asia to design its new head office in the centre of Ho Chi Minh City.

T3 Architecture's idea was to make the two large open spaces (1,400 square metres in total) as a comfortable working place for IT engineers as well as an office with a strong identity and a "cool" atmosphere as many other international IT brand: Google, airbnb, etc.

While the layout is very functional and efficient, the colours, materials, plants and art works bring a cozy and arty touch to the office.



Photo: © T3 / Photographer: Laurent WEYL

PROJECT DATA

Client: SUTRIX Media

Collaboration: Wedothatstuff (Mathias) – The Spider, Ludo (Graphist) and Laurent JUDGE (artist)

Photos: T3 Architecture Asia / Laurent WEYL – Collectif ARGOS



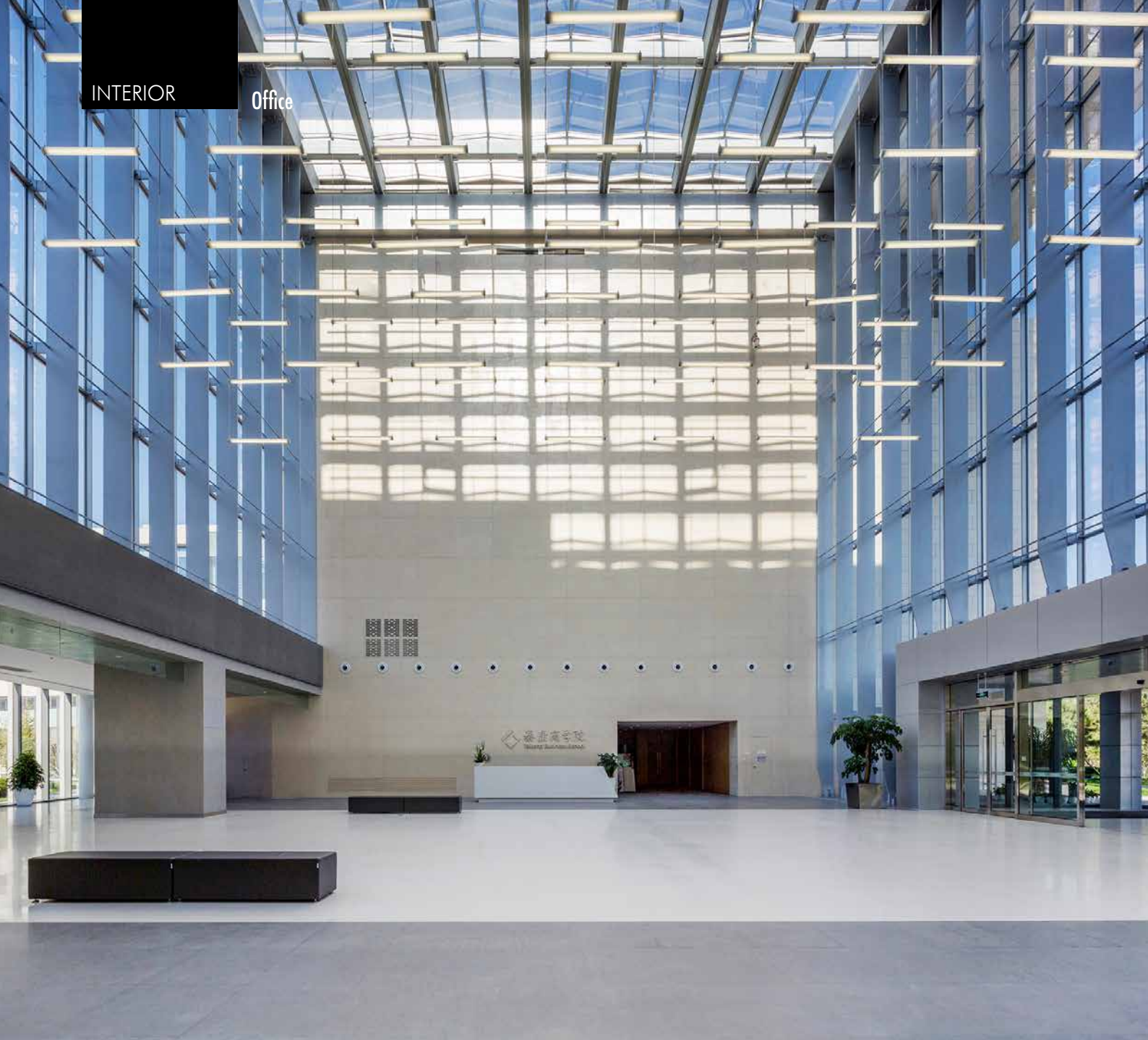
Photo: © T3 / Photographer: Laurent WEYL



Photo: © T3 / Photographer: Laurent WEYL

INTERIOR

Office



Taikang Life Business Academy



HOK recently completed the interior of a new training centre for Taikang Life Insurance Group in Beijing, China, in line with the company's core value and new culture.

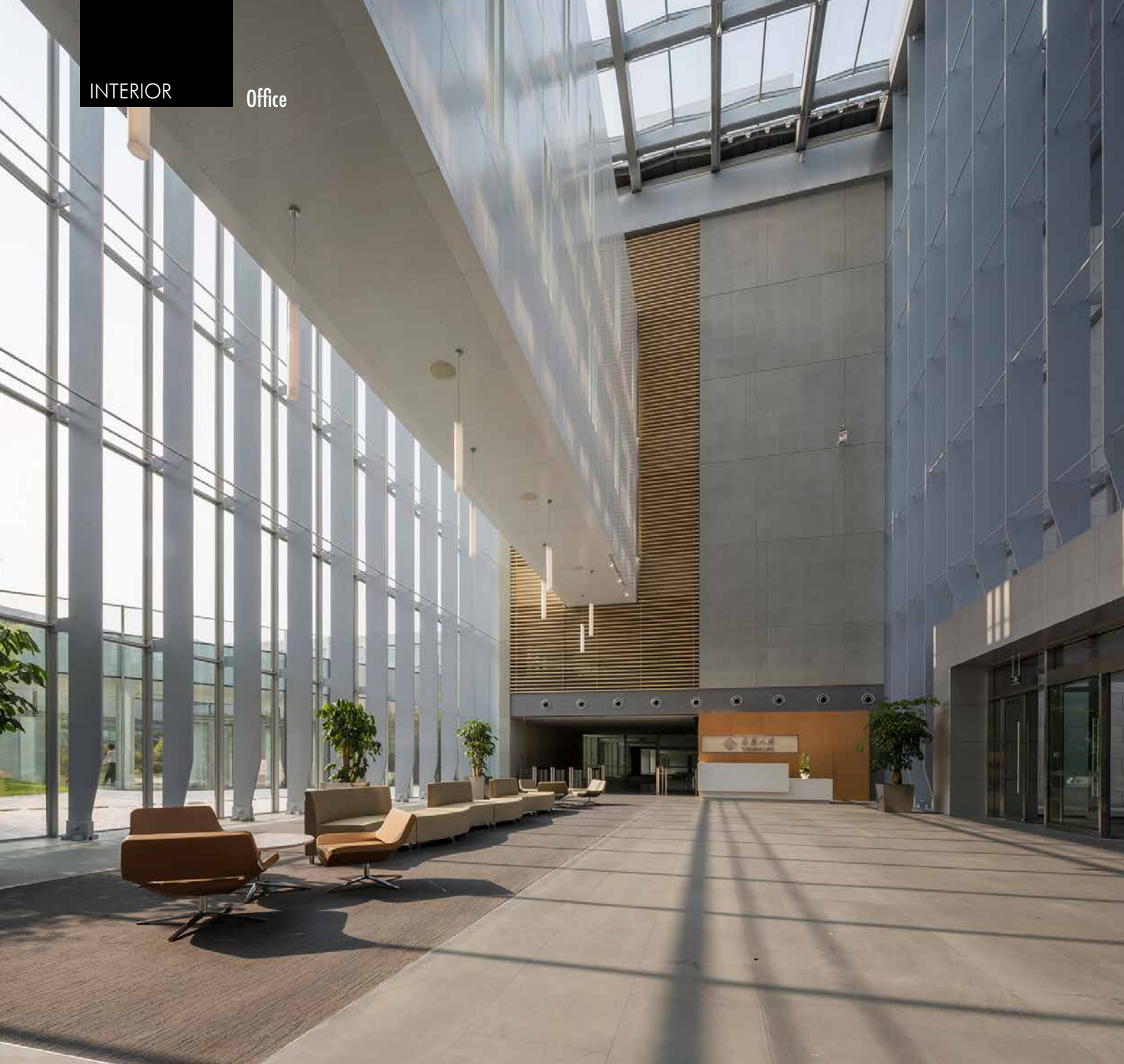
Photographer: Mr Li Zhou



Located in Changping, Northwestern Beijing, HOK designed Taikang Life Business Academy, a campus for their top talents. The project sets an unprecedented training model among all state-owned entrepreneurs. This 45,000 square metres mixed-use complex is composed of three main sessions, learning, working and living. Program includes state-of-the-art multifunctional classrooms, amphitheatre, auditorium, offices, senior dining, staff canteen, dormitory, fitness. Among all, the most spacious south entrance lobby becomes the first impression to the trainees and also the spot light to the project.

The idea of such programming is to not only bring national wide company talents to receive concentrate training, but also to encourage free sharing of business ideas and close collaboration through short period of living together, which in long run can enhance business productivity and profit for the firm.





HOK's interior design draws inspiration from Taikang's culture and core value, "From Cradle To Heaven". According to HOK, the design aims to engage trainees from classroom learning to outside-classroom collaborations to create an environment for "learning everywhere", a new model of training environment which has been well received by the industry peers since its opening.

The base tone of interiors reflect the main architectural flavour, simple, grand, time standing. By using interior furniture, finish, lighting, it further enhances and highlights functional space, and render out various unique tastes. In addition, this project is also pursuing LEED Gold certificate.



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The Nuts and Bolts of Building Information Modeling

Text by Jeff Leighton, Senior Project Coordinator, Construction Piping Services department, Victaulic

In my job as Senior Project Coordinator for the Construction Piping Services department at Victaulic, I work with many contractors who know all there is to know about Building Information Modeling...and I work with some that could use a few pointers. BIM has evolved in the past few years, and continues to evolve with more and more projects having BIM requirements. Contractors able to meet those requirements may find they have a competitive advantage over those who can't. For that latter group, fortunately, it's never too late to learn. With that, let's review the basics of BIM.

Overview of BIM

Building Information Modeling, or BIM, is a process involving the creation and use of a digital representation of the physical and functional characteristics of a facility, according to the National BIM Standard Project Committee. It is "a shared knowledge resource for information about a facility forming a reliable basis for decisions during its lifecycle," meaning from conception to demolition.

The BIM process allows all stakeholders to utilise a single model to design, construct and operate a building. The design stage includes conceptual design, detailed design and analysis (energy analysis, for example). In the build stage, contractors can create construction documentation based on the detailed design, which is used for fabrication and construction. This stage also includes construction logistics and the physical construction of the facility. Once the facility is built, the owner can use the model to operate and maintain the building, as well as renovate and demolish, if necessary, in the future.

One of the misconceptions I often hear is reference to BIM as software. BIM is a process, not a software programme. Certainly software is at the technological core of BIM, but that represents only about 10 percent of the system. The other 90 percent of BIM is sociology, including the work practices that utilise the software and shape social practices. As such, we refer to it as a sociotechnical system. The technological base of BIM consists of 3D design, intelligent models and information management; social components include synchronous collaboration, coordinated work practices and a cultural or institutional framework in which BIM is incorporated in a company's processes – workflow, for example – and business plan.

What BIM strives to do, in contrast to traditional coordination, is increase communication and collaboration at the front end of a project; it brings all stakeholders together earlier in the construction timeline.

In traditional coordination, contributors such as the architect, engineer, contractor, subcontractors, facility manager, and client work in silos. Modeling and coordination is handled in offices and the information flows to the jobsite. Change requests pass from the jobsite to the office and revisions get sent back. Quite often, the information is still on paper – not in the cloud or on an FTP site – and it is duplicated many times. This workflow increases the amount of late changes, driving up construction costs. It also leads to a two-steps-forward-one-step-back result as the baton is passed at each phase of a project, from plan to design to construct and, finally, operate. At the end of each phase to the beginning of the next, a loss of knowledge occurs that must be regained and grow beyond what it was (see figure 1). In the traditional coordination process, communication between stakeholders peaks in the construction documentation phase which can affect progress on the jobsite.

The new approach alters workflows so that communication peaks in the design and design development phases. At this stage, changes are much easier to make, they don't slow or

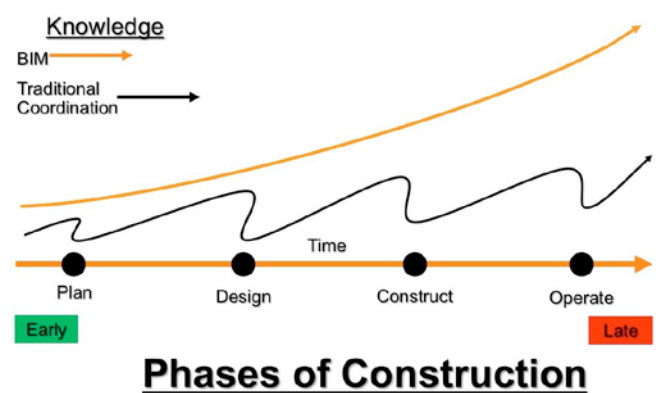


Figure 1: By involving all stakeholders from the outset of a project and communicating early and often, BIM reduces the knowledge loss that occurs at the end of each stage in traditional coordination.

stop construction and costs are easier to control. This can reduce or eliminate litigation due to cost and schedule overruns. Under this new approach, contributors cannot work in silos. Instead, all parties are collaborating as the model is developed and working together to eliminate clashes. Solving coordination issues virtually in the design phase is much more efficient and cost effective. It also improves safety and reduces labor on the job site. With all stakeholders involved from the outset, knowledge increases through each phase of a project; there is minimal loss of knowledge between phases.

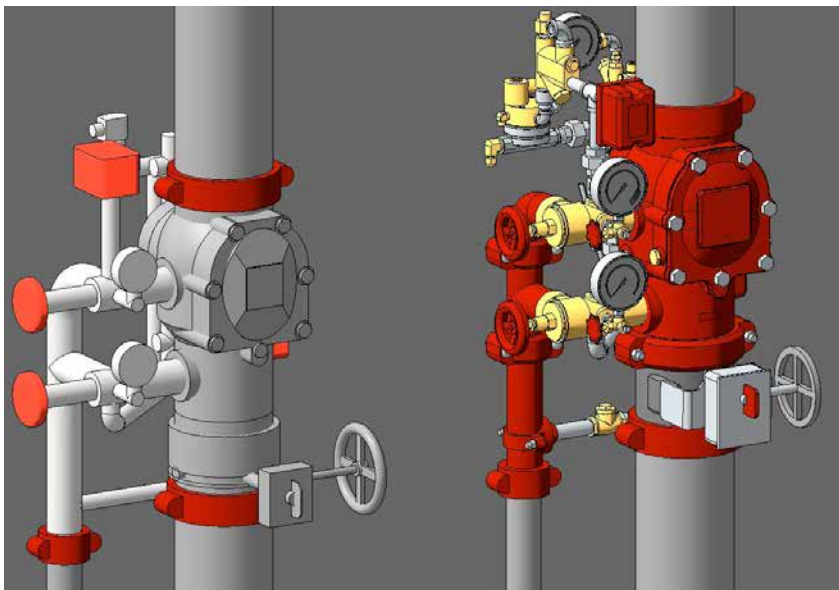


Figure 2: Level of detail is shown in these two valves. The valve on the left has less detail, but takes up the same amount of space as the more detailed valve on the right.

BIM Terminology

Among the more common terms you'll hear associated with BIM are level of development, level of detail and what's known as the 'Ds' of BIM.

Level of detail and level of development are often confused, but there's an important difference between the two. The level of detail refers to the detail put into the model elements/parts, also known as content; it is an input. Take a gauge for example. At a higher level of detail, you might see symbols or numbers on a gauge, while at a lower level you might simply see a circular-shaped object denoting a gauge (see figure 2). Both valves are serving the same purpose, taking up the same amount of space, there's just more detail shown in one versus the other.

Level of development, or LOD, is how much the element's geometry can be relied upon by users for processes such as energy analysis, clash detection, exporting reports, producing accurate bills of material (BOMs),

and tracking submittals for maintenance. LOD is an output. Level of development, which can vary at different stages of design and construction, ranges from 100 to 500, with 500 being the most developed. Each level defines what the model can reliably be used for. Level 200 includes generic content that serves as a placeholder. A fitting, for example, wouldn't have proper dimensions, there would be no flow coefficients and it couldn't be used to extract a bill of material (see figure 3).

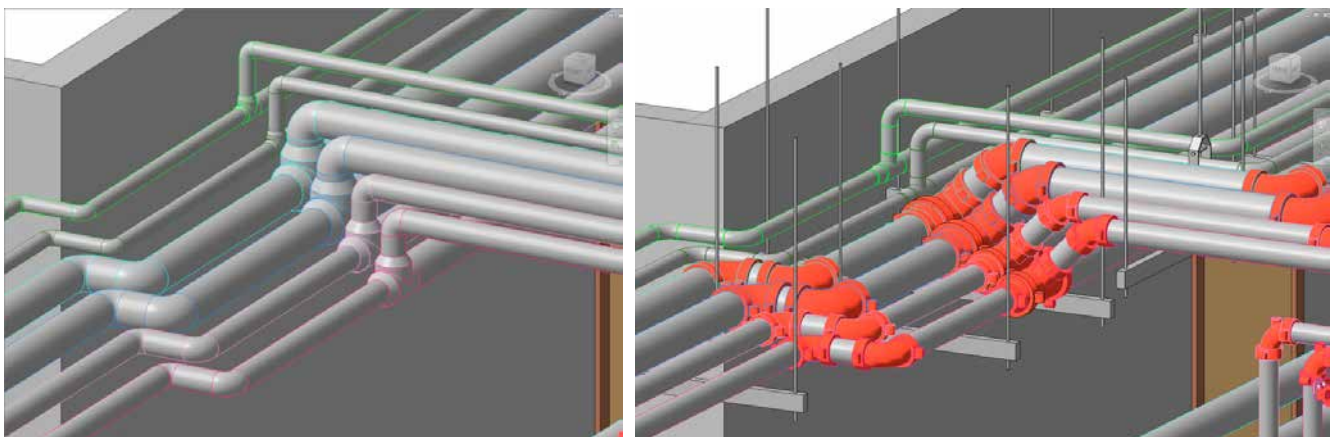


Figure 3: LOD 200 on the left; LOD 400 on the right. Notice that modeling the actual fittings to be used required slight alterations to the pipe routing.

At level 400, that same element would identify the fitting manufacturer and model, it would take up the correct amount of space in the model and include details that could be used for energy analysis. Level 400 is a construction-level model that can be used for fabrication.

As for the 'Ds' of BIM, when engineers and contractors refer to 3D or 5D, for example, they're referring to the 'dimensions' of BIM, including the model itself and what can be done with it. The number of dimensions has evolved over the years, with 3D through 7D most often recognised today.

3D is the actual 3D building model and its components, including safety and logistics models, animations and walk-throughs. In the case of a renovation, an existing conditions model can be derived from field measurements or laser scanning.

4D refers to scheduling. A construction schedule can be created with the model, and project phasing simulations can help plan what will be installed when, as well as the sequence in which things will be installed. In addition to identifying physical clashes during coordination, software can be used to determine which trades are going to clash during installation to avoid delays on the job site. 4D also includes lean scheduling of procurement, which enables just-in-time deliveries to the job site or fabrication shop. Contractors can essentially back-time construction and create a fabrication schedule and delivery plan to ensure equipment and materials arrive on the jobsite in the proper area of the building, bagged and tagged just in time for a labor-saving installation.

5D is estimating. At higher levels of development with intelligent content, the model can be used for real-time cost planning. Quantities can be extracted and detailed cost estimates created. 5D also enables value engineering and trade verification. Value engineering analyses possible outcomes to determine the most efficient and cost-saving option. Think of it as 'what-if scenarios.' For example, what if we evaluate efficiency and energy costs on two chiller plant designs, one using two large chillers and one using three smaller chillers with variable speed pumps? Initial installation costs and operating costs can be compared to select the most efficient design for the owner. Trade verification allows the general contractor and owner to use the model to verify estimates and costs for all subcontractors.

6D is sustainability. A conceptual energy analysis can be conducted early in the design phase, while detailed energy tests can be performed later in the design process. This can help reveal energy-saving alterations, for example, changing the angle of the building or the glass type to reduce cooling costs based on how the sun hits the building. If the project is aiming for LEED certification, sustainable elements can be tracked.

7D refers to facility management, in other words, use of the model for operation and maintenance of the building. The owner can be provided an intelligent 3D model file with embedded equipment and product submittals for quick reference when maintenance is required.

Through the Construction Operations Building Information Exchange (COBie), facility managers receive building data, not geometric modeling data, that allows them to track assets and warranties and develop preventative maintenance plans. This eases the traditional handover of paper construction documents that facility managers must then manually enter into a computerised maintenance management system (CMMS).

It is important to note that, although the dimension numbers rise sequentially, they shouldn't be considered stages of a project. Elements of 6D can be done at any point in a project; some of these procedures might be performed before the estimating tasks of 5D. 4D scheduling might occur hundreds of times throughout a project.

Benefits of BIM

BIM delivers numerous benefits to all stakeholders throughout the project lifecycle. Early collaboration and virtual coordination reduces rework and change orders that slow construction and increase costs. By simplifying material management and pre-planned deliveries, BIM helps contractors reduce jobsite hours, which can improve safety ratings. Ultimately, the early coordination and collaboration can compress the construction schedule, reduce overall construction costs and reduce or eliminate litigation.

BIM takes quite a bit of time, a lot of resources and even some sacrifice from a financial point of view. Contractors looking to add BIM capabilities will have to entertain reviewing and adjusting workflows and processes and potentially acquiring new computer hardware and software. There will be a lot of training required, and several new hires may need to be brought in. However, contractors that are able to meet BIM requirements are more competitive; they can win more projects and, in due course, make more money.

About the Author

Jeff Leighton is the Senior Project Coordinator within the Construction Piping Services department at Victaulic, a manufacturer of mechanical pipe joining and fire protection systems. Jeff is a member of the Associated General Contractors of America (AGC) and the NBIMS-BIM Standard Subcommittee. He holds an AGC Certificate of Management-Building Information Modeling (CM-BIM). For more information, visit www.victaulic.com.



Bois de la Bâtie aviary facility – An arboretum for birds

Text and photos courtesy of Jakob AG

The Arboretum for birds – Bois de la Bâtie aviary facility in Geneva, Switzerland, is designed with a floating kidney-shaped roof. The dual aviary is a new, magical attraction in the city of Geneva. Its filigreed construction features steel posts and a boldly cantilevered concrete slab. While it looks spectacular, the facility is designed to emulate a natural habitat. The structural steelwork reflects the physiognomy of the trees. It is enveloped in a very graceful Webnet screen.

PROJECT DATA

Project: Bois de la Bâtie aviary facility in Geneva

Location: Geneva, Switzerland

Architect: group8 sarl, Les Acacias

Prix Acier 2009 – Award of Merit: SZS Swiss Institute of Steel Construction, City of Geneva

Jakob Products: Webnet rope Ø 1.0 mm, mesh size 20 mm, total Webnet area 802 square metres, peripheral rope Ø 12.0 mm.



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Les Docks Village in Marseille

Mapei installs natural stone and ceramics for a shopping centre overlooking the sea.



Les Docks Village is a large, iconic building in the Joliette area of Marseille.

After more than two years of work Les Docks Village, a large, iconic building in the Joliette area of Marseille, has been given a new lease of life. What used to be a warehouse and then a business centre today houses 65 boutiques and restaurants in lively, fashionable surroundings.

Its new look was designed by the Italian design studio 5+1AA with Alfonso Femia and Constructa Urban Systems, who worked with the distributor and flooring contractor Mattout to install ceramic tiles and natural stone inside the complex.

The History

Marseille Docks were built in the middle of the 19th century to store goods in transit. Designed by the architect Gustave Desplaces, they were made up of four main warehouses, each one built around a central courtyard, and a building for the management and administration offices. Whether it was due to superstition or a belief in numerology, the design was inspired by the idea of an universal clock: 365 m in length (the number of days in a year) with 52 doors (like the number of weeks in a year), 7 floors (the number of days in a week) and 4 internal courtyards (the four seasons).

In the 1990's, thanks to the Euroméditerranée project, the Docks were transformed into a modern business centre. In 2007 JP Morgan Asset Management acquired the area on behalf of a number of institutional investors who wanted to turn it into a "centre of life". In October 2015 Les Docks Village reopened with the intention of combining shopping, leisure time and fun.

In spite of its use being changed over the years, this grand, famous building has always maintained the same name and has become an iconic symbol of Marseille.

A Place of Honour For Colours...and for Italy

Taking inspiration from its position as both an urban and maritime feature, the 5+1AA architectural design studio imagined turning it into a meeting place with views of both the city and the sea.

The decor and atmosphere for the four internal courtyards (Place du port, Grand Place, Place des palmiers and Place du marché.) help to enhance the stone and ceramic used, as well as the plants and the light. An invitation to take a tour of Italy thanks to the choices made by 5+1AA to use noble Italian materials and products: ceramics from Modena, glasswork from Murano and Venice and plants from Florence. The architects Alfonso Femia and Gianluca Peluffo took special care over the colour schemes. To make the mosaic panels for Place du port, they chose seven shades of blue and white mosaics by Casalgrande Padana, while for the Grand Place they chose seven (again that special number seven!) shades of green for the 1,800 lozenge-shaped wall tiles.

Expert Workmanship

The family-run Mattout company, founded in 1963, was chosen to install the mosaic and natural stone. "I was completely impressed by the project," admitted Works Director Pierre Mattout, "It is the first time we had taken on such a technical and decorative contract. We were all so enthusiastic! And, of course, we chose Mapei products to install the material". Mattout and Mapei have actually been working together for around twenty years: a collaboration that is based on common values: trust, only quality products and appreciation for the true value of "know-how".

Moleanos stone was chosen for the road surfaces in Place des palmiers and Place du marché in three different effects (flamed effect, bush-hammered effect and chiseled effect) and was bonded using KERAFLEX S1 cementitious adhesive in its white shade, a product which is manufactured and distributed on the French market by Mapei France. The joints were grouted with ULTRACOLOR PLUS high performance mortar in the colour Manhattan 2000 (No. 110).

The most difficult part of the work was the installation of the blue mosaic panels in Place du port. "We had to make 780 panels of mosaic mounted on stainless steel plates measuring 1.5 m by 0.8 m. Our job normally consists of installing tiles: in this case, however, and for the first time, we had to break them into pieces before bonding them!" Pierre Mattout said. The 7x7x10 mm fragments, obtained by breaking up 40x40 cm tiles, were bonded directly to the stainless steel with MAPEFLEX PU45 polyurethane sealant and adhesive with a high modulus of elasticity. Recommended by Mapei Technical Services, this product allowed the work to be carried out quickly and to a very high standard. In total, more than 2,200 cartridges of product were employed. The joints were again grouted with ULTRACOLOR PLUS in the colour shades Manhattan 2000 (No. 110) and Cement Grey (No. 113).

The installation of the mosaics was carried out with great care and attention: "Each panel was different to the others and had to contain a certain percentage of blue and white, according to a precise model supplied by the architect," continued Mattout, "And we put our trust in the ability, precision and creativity of the group of ladies who carried out the work. In total, 7 people worked in our workshop for 5 months".

In February 2015 the panels were installed, using special steel supports made by Bodino, on the 10 chimneys decorating the walls of the square.

The mosaic for the floors and some parts of the walls were created on site and bonded with KERABOND T+ISOLASTIC.

"This experience has been particularly enriching for us," explained Mattout. "It was an ambitious and particularly technical decorating project that has allowed us to learn a new way of working. Mapei were by our side for the entire duration of the building site. We are extremely proud of what we have achieved because the end result is truly magnificent"



1,300 m² of Moleanos stone slabs were bonded to the floors in Place des Palmiers and Place du Marché squares with KERAFLEX S1. The joints were grouted with ULTRACOLOR PLUS.

Article source: *Realtà Mapei International 60*

For more information, email mapei@mapei.com.sg.



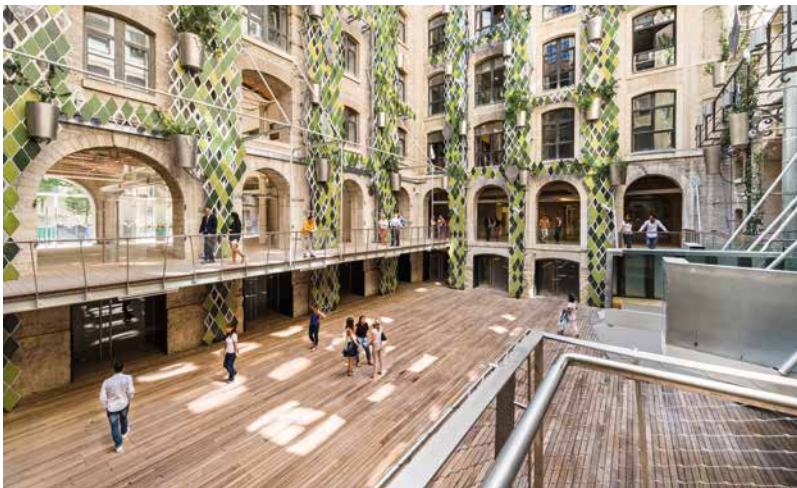
Fragments of ceramic tiles were bonded to steel panels with MAPEFLEX PU 45.



Mosaic was bonded on the floors and some of the walls of Place du Port with KERABOND T+ISOLASTIC.



In Place du Port square the mosaics were installed on over 780 panels using Mapei products.



Three shades of green were chosen for the panels fastened to the walls in the Grand Place square.

Mapei Products

Installing ceramic tiles: Kerabond T+Isolastic, Keraflex S1

Grouting joints: Ultracolor Plus

Sealing expansion joints: Mapeflex PU 45



MAPEFLEX PU45

PROJECT DATA

Project: Les Docks Village

Location: Marseille, France

Period of Construction: 1858-1864

Original Design: Gustave Desplaces

Period of the Renovation: 2013-2015

Period of the Mapei Intervention: October 2014-May 2015

Intervention by Mapei: supplying products for installing ceramics and stone materials and grouting joints

Clients: J.P. Morgan Asset Management-Global Real Asset, Constructa Urban Systems

Design: 5+1AA Alfonso Femia Gianluca Peluffo

Design Office: Secmo, Garcia, R2M

Main Contractor: Dumez Méditerranée (Vinci Construction France)

Ceramic Installation Contractor: Mattout Enterprise (Pierre Mattout and Laurent Renaud)

Works Direction: Veritas

Mapei Co-ordinators: Jimmy Fischer, Mapei France

Photos: Yann Bouvier, J. Cabanel, Luc Boegly, Les Docks, Jimmy Fischer, Mattout Enterprise



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An Interview

**with Rowan Tan, Managing Director /
Senior Vice President ASEAN, AS APAC of
dormakaba Group**



Q: The merger of Dorma and Kaba is one of the most strategic moves in the building industry today because the merger of the two companies will make the new group one of the top three market leaders in the world. As the Managing Director of dorma, what was your reaction to this call for merger?

> I was totally positive about the merger right from the very beginning when I was first told about it. To me, Kaba is a highly-respected company, and a global leader in high-security cylinder and locking systems, amongst other things. Its product portfolio complements the Dorma range of products very well, and with minimal overlaps. The merger therefore strengthened both companies, and created a comprehensive product portfolio in Access Solutions.

Q: I understand that the dormakaba Group now has the capabilities to offer its customers a comprehensive portfolio of products, solutions and services related to doors and secure access to buildings and rooms, and all from a single source. Can you comment on how these combined capabilities will have an impact on existing as well as new customers from both companies?

> A one-stop company capable of offering everything related to secure access to buildings and rooms puts us in a stronger position to compete more effectively in a highly-competitive Region. It also gives us the opportunity to increase our footprint in the regional building industry, and tap the strong internal talent pool and distribution network which both companies had prior to the merger. We are now also able to widen our market coverage by tapping on the capabilities of some of our distributors in the region to cross-sell the combined dormakaba product portfolio.

Q: How do you see the market for doors and smart access solutions for buildings in Southeast Asia in general, still stable or strong?

> The market opportunities in Southeast Asia are significant as more buildings in the region adopt the latest technologies in smart and secure Access Solutions. Granted, the region is now undergoing some economic challenges as a result of the downturn in the global economy, but it is, on the whole, still an exciting region with good long-term opportunities for growth. I don't expect the downturn in Southeast Asia to be a prolonged one, so the future for smart and secure Access Solutions is still a very promising one.

Q: Which markets in Southeast Asia do you see growing fastest for the dormakaba Group over the next five years? Are there any plans to expand into new markets in this region?

> I think the future growth opportunities are still very good for Singapore, Malaysia, Philippines, Indonesia, and Thailand. We are also expanding into 2nd and 3rd-tier cities in some of these markets which are developing quite rapidly. As far as new markets are concerned, we are also focusing on further developing our businesses in the other ASEAN countries.

Q: As the Managing Director heading the dormakaba Group in Singapore, what are your top priorities for the Group for the next five years?

> My top priorities are to ensure sustainable and profitable growth for the company, expand our regional footprint and market coverage, and ensure a constant flow of new products and new technologies for the Access Solutions industry in the markets I'm responsible for. I think there are a lot of exciting things to be done, and my team and I are really looking forward to living our Mission, and achieving our Corporate Ambition.

Q: What kind of challenges do you see from the merger of dorma and kaba Group?

> All mergers come with a lot of challenges, but in the region I'm leading, my colleagues and I strive and work hard to achieve a successful integration by listening to, and understanding, each other, and creating our own culture in the organization based on mutual respect, tolerance, and trust. We have already completed one financial year as a merged company, and I'm humbled by the commitment of each and every employee, and the results we have achieved. I'm certainly looking forward to greater things ahead.



ArchXpo 2016

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The Architecture & Building Services 2016 Series returns for third edition



Ribbon cutting by Senior Minister of State Desmond Lee (fifth person from left) at opening ceremony of Architecture & Building Services 2016 Series on 28 September 2016. Photo: © Conference & Exhibition Management Services Pte Ltd

The Architecture & Building Services 2016 Series (ABS Series) returned for its third edition at the Marina Bay Sands Singapore. It was officially opened by guest-of-honour, Mr Desmond Lee, Senior Minister of State, Ministry of Home Affairs & Ministry of National Development, Deputy Leader of the House on 28 September in the presence of overseas delegates and key local industry players.

Once again, the ABS Series presented six architectural and building services shows and 12 conferences over the three-day

exhibition. The six shows, namely ArchXpo 2016, International Facility Management Expo 2016, LED+Light Asia 2016, Safety & Security Asia 2016, Fire & Disaster Asia 2016 and Work Safe Asia 2016, provided a comprehensive and integrated platform to meet building needs of professionals under one roof.

Similar to the previous years, ArchXpo 2016 spearheaded the ABS 2016 Series. ArchXpo 2016 was co-organised by the Singapore Institute of Architects and Conference & Exhibition Management Services (CEMS) and it was one of the key

components of the Archifest series organised by SIA this year.

The exhibition was a key gathering of industry experts and talents that make for excellent architectural and built environment design, as well as an invaluable platform for the exchange of research and innovation in architectural design, practice and education.

The three-day ABS 2016 Series also welcomed delegates from several countries for the 12 major conferences taking place concurrently with the exhibitions.

The SIA Conference 2016, Real Estate Developers' Association of Singapore Building Information Modelling (REDAS BIM) Symposium 2016, ASEAN Federation of Electrical Engineering Contractors (AFEEC) & The Federation of Asian and Pacific Electrical Contractors Associations (FAPECA) Conference 2016, Fire Safety Managers (FSM) Workshop 2016, Security Industry Conference 2016, Singapore Architectural Lighting + Design Symposium 2016, Asia Façade & Glass Conference,

International Facility Management Conference 2016, SSAS' Security Technology Seminar, Security Industry MasterClass 2016, United Architects of the Philippines Lecture Session and the Workplace Safety & Health (WSH) Forum 2016 were designed specifically for the architectural and building services industries. The conferences attracted huge interest from professionals from Singapore and around the world.

Other programmes included in the ABS 2016 Series included the UP Awards to the best-looking show-stopper booths with the most flair and innovation. There were several winners for the booths of different categories. The top prize, the Diamond Award for the Best Larger Booth Category (the largest booth size cited amongst all categories there are), went to Greenology Pte Ltd.

Other awards presented at the exhibition included the Merlion Awards 2016, the Singapore Facility Management Awards 2016 and the SIA Architectural Design Awards 2016.

For more information, visit www.archxpo.com.sg.

Current Pte Ltd

Current Pte Ltd is a supplier of innovative and sustainable construction-related products that can increase efficiency in the building and construction industry. At ArchXpo 2016, the company showcased the Dincel Construction System (DCS) and the CLED lamps (Current's LED lamps).

Dincel Construction System (DCS)

DCS makes use of a permanent polymer form working system that is developed and manufactured in Australia. It is available in 110mm, 155mm and 200mm profiles with customizable lengths between 1,800mm to 7,950mm tall. DCS can also be used in the construction of curved wall structures with load-bearing, waterproof and fire-resistant properties and its applications ranges across building walls, storage tanks, basement walls and retaining walls.

DCS has been extensively tested and certified by various accredited firms and is applicable for a wide range of vertical structural elements. It is also certified as a green product by the Singapore Green Building Council. The DCS is designed to facilitate easy installation and eliminate any post-installation problems. It is VOC-free, 100% recyclable, free of plasticisers, free of heavy metal stabilisers and totally non-toxic.

Current's LED lamps or C-LED

The C-LED lamps offer one of the best illuminations in the market. Making use of a patented cooling technology – the IPCHS™ – the C-LED lamps have high efficiency, superior durability, and also offers the widest and brightest illumination in the market. Operating at 140W, the C-LED is bright enough to replace up to two 400W sodium lamps.

This product is in compliance to EN 60598-1 and EN 60598-2-1 General & Particular test requirements for fixed luminaires.

"Current Pte Ltd is always on the lookout for innovative products that can contribute to a sustainable built environment for everyone," said Leong Chun Ming, the Sales Engineer of Current Pte Ltd.

For more information, visit www.current.com.sg.



Mr Leong standing next to a DCS pull-out banner.

Estron Marketing Pte Ltd

Based in Singapore, Estron Marketing Pte Ltd specialises in the supply of architectural hardware for glazier industries. At ArchXpo 2016, the company exhibited several products such as the movable glass path system; sliding & stacking door; sliding & folding door; and balcony glazing system.

Sliding-Folding Door System SF-100

Estron sliding-folding door consists of small elegant metal patch hinges and noise free suspension carriage, which runs smoothly in an overhead track. It features accordion-style glass door designed for quick handling. It can be designed up to 3.3 metres height. The system is safe and practical, easy and quick to open and close, simple to install, durable, effective and economical.

Sliding-Stacking Door System SS-100

Estron sliding-stacking door system is an aluminium track and hanger system which transports semi-frame glass panels and aluminium framed doors through 45, 90, 135 degree switches for closing off big opening areas by stacking the panels or doors. The advantage of this system is that there is no need to use a floor guide or channel guide on the floor. The only visible parts are the top and bottom door rails, so that even when the system is closed, it presents a clean, attractive, transparent frontage. Therefore, the product is ideally suited for shop fronts, hotels, convention centres, corporate offices and private houses.

Balcony Glazing System BGS-55

Estron Balcony Glazing System is designed with elegance in mind to suit current increasing demand for a weather and waterproof operable glass system for balcony doors and terraces, such as living areas dividers, windows and even as façade structure to enhance appearance of homes with alluring features of the glazier system. Space saving, high flexibility and the ease in effortless operation are highlights of the system. The independent glass panels of the system are able to move easily and individually, creating more spaces when opened and stacks to the side with only minimal space required.

"We have a wide range of high-quality products to cater to the needs of interior designers, homeowners and shop owners," said Lynn Feng, Manager, Estron Marketing Pte Ltd.

For more information, visit www.estrone.com.sg.



Lynn Feng standing next to the company's door system at ArchXpo 2016.

TR Formliners Pte Ltd

TR Formliners Pte Ltd, the exclusive distributor of Reckli architectural concrete products, exhibited in ArchXpo 2016 to share the advantages of the products to the show goers.

"Reckli formliners can bring any patterns or textures on concrete. It can also be customised according to the customers' needs," said Darryl Lee, Sales Director, TR Formliners Pte Ltd.

The production of Reckli formliners follows a simple principle: At the beginning lies the inspiration in nature or on a computer. A positive cast is subsequently created in combining traditional craftsmanship and state-of-the-art technology and is then followed by an elastic form. This elastic or rubber can be reused multiple times, up to 100 times, making it an environmentally friendly product.



RECKLI formliners were used in the Sentosa Cove Way project on Sentosa Island, Singapore.

"No plaster is needed, therefore overall cost is greatly reduced. The Reckli formliners is suitable for bungalows, HDBs, private condominiums and other developments," added Mr Lee.

For more information, visit www.reckli.com.

NS BlueScope Lysaght Singapore Pte Ltd

NS BlueScope Lysaght Singapore Pte Ltd showcased the structural steel decking and roofing and walling solutions at ArchXpo 2016. "We are showcasing our main products at the show and hope to expand our reach through this platform," said Jaime Tng, Marketing & Communication Executive, NS BlueScope Lysaght Singapore Pte Ltd

Lysaght® Bondek® II structural decking for composite formwork is a highly efficient and robust profiled zinc coated steel sheeting for use in the construction of composite floor slabs. It has been tested to perform as formwork and longitudinal reinforcement in one-way composite slabs.

Lysaght® Locked Seam® roof profile is an engineered high quality and lightweight standing seam roof profile, designed as a fully-supported roof and wall cladding for curved, pitched and tapered conditions. Lysaght® Locked Seam® standing seam profile is economical, durable, which can be adapted to contemporary architecture.

For more information, visit www.lysaght.com.sg.



Jaime Tng (first from right), Karen Chong, Technical Specification Manager, NS BlueScope Lysaght Singapore Pte Ltd (Second from right) and her colleagues at the NS BlueScope Lysaght's booth at ArchXpo 2016.

Laticrete South East Asia Pte Ltd

Laticrete South East Asia Pte Ltd offers a broad range of products and systems covering substrate preparation, tile and stone installation, concrete construction chemicals and decorative flooring.

At ArchXpo 2016, Laticrete showcased its coatings products to trade visitors and even held a live demonstration of how the coating can be applied on the surface of the floor. Laticrete products and systems include DRYTEK™, SPARTACOTE®, L&M™ and Stonetech®.

DRYTEK™ (self-leveling Underlayment & Overlayment)

DRYTEK innovative self-leveling cements speed up turn-around time and reduce total project cost. The company's cements can be applied directly to new or moist concrete and substrates with RH levels as high as 95 percent and glue-down floor goods can be applied shortly thereafter. Advantages include: alkali barrier, high bond strength, low shrinkage, and water damage stable.

SPARTACOTE® (Resinous and Decorative Polyaspartic Coatings)

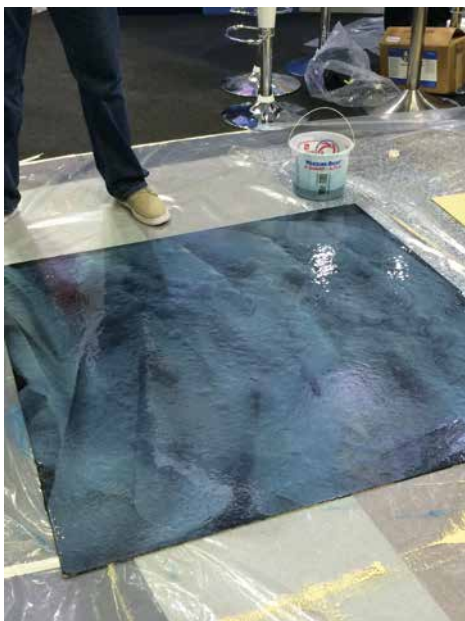
SPARTACOTE protective concrete coatings show superior levels of durability, flexibility, adhesion, corrosion resistance, and chemical resistance. Advantages include: cost savings, green friendly, superior adhesion to concrete and steel, chemical resistance, dual-cure properties, traction, quick return to service and triple abrasion resistance of epoxy coatings.

L&M™ (Concrete Construction Chemicals)

Improve the long-term durability, performance and appearance of concrete surfaces with the company's complete line of L&M protection and repair solutions. Curing and sealing treatments, floor hardeners and densifiers, polished concrete systems and stain protection products work together to ensure the concrete floor is safe, resilient and easy to maintain. Advantages include: low VOC/odourless, quick turnaround and dramatic long-term maintenance cost reduction.



Ernest Koh, Marketing Manager (left) and Glenn A. Prince, International Regional Manager, Special Products, Laticrete South East Asia Pte Ltd at the company's booth at ArchXpo 2016.



Glenn performing a live application of the SPARTACOTE® coating on the floor at the company's booth.



STONETECH® (Tile & Stone Care & Maintenance)

STONETECH Professional tile and stone care and maintenance products are innovative, easy-to-use solutions to protect and preserve stone against the damaging effects of everyday living. With a complete line of products to protect, clean and transform stone surfaces, Laticrete will help ensure the beauty of natural stone and tile countertops, floors, walls and other installations for generations to come. Advantages include: low VOC/odourless, easy to use and dramatic long-term maintenance cost reduction.

For more information, visit www.laticrete.com.sg.

Australian Innovative Systems™

Australian Innovative Systems (AIS) is an Australian based manufacturer of commercial and residential swimming pool chlorinators and water disinfection technologies. AIS' brands include AutoChlor™, ChloroGen™, EcoLine™, MineralChlor™ and Chrome™ and the company exports its chlorinators to over 55 countries.

With over 20 years' industry experience AIS is considered one of the world's most trusted swimming pool chlorinator manufacturers. From its corporate headquarters and three manufacturing facilities, AIS conducts all research, development and manufacturing. This whole-of-product life cycle ensures optimum quality control, client service and after sales support.

At the recent ArchXpo trade show, AIS launched its latest product – a new, low-salt chlorine generator for residential swimming pools, EcoLine Home. With AIS' EcoLine technology already being used for commercial projects such as hotel lagoon pools and water theme parks, this residential swimming pool version disinfects pool water at an ultra-low TDS of 1,200ppm. It also boasts a modern, attractive design for the discerning homeowner.

"We expect EcoLine Home to revolutionise the home swimming pool industry, said Blake Pearl, AIS Technical Advisor.

"Pool water is not only clear, clean and safe but it feels just like swimming in fresh water thanks to EcoLine's capability to disinfect water at very low salinity levels," added Mr Pearl.

AIS' people and products have been recognised many times over with a host of international and Australian awards acknowledging AIS' business excellence and innovative technology.

For more information, visit www.aiswater.com.au.



Blake Pearl (right) and Valentin Katunin (left) showcasing the new EcoLine™ Residential chlorine generator at their booth.



Elena Gosse, AIS CEO, talking to trade visitors at the AIS stand at ARCHXPO 2016.

Waterco International Pte Ltd

Waterco is an Australian company which manufactures and distributes a diverse range of products for the international swimming pool, spa and water treatment markets. Established since 1981, Waterco delivers high quality water treatment pumps and fiberglass sand filter filtration systems, pool heating equipment, chlorination, chemicals and spa accessories to over 40 countries worldwide.

Waterco exhibited in ArchXpo 2016 to introduce its products and to reinforce its brand. In Asia, the company has a manufacturing plant in Selangor, Malaysia where its production caters to the demand in the Asian region. "Products from our manufacturing plant in Malaysia are exported to countries in Asia as well as to Europe and USA. We hope to increase awareness of our products at the show," said Mr Dave Tan, Senior Regional Sales Engineer, Waterco International Pte Ltd.

Several projects are using Waterco products in their water theme parks, commercial swimming pools, cooling towers, drinking water systems, industrial process, water features and more. Notable projects include Resorts World Sentosa in Singapore, South Australia Country Water Quality Improvement Program in South Australia, Desalination plant in Faw region in Basrah, Iraq, Ammonia removal plant in West Sussex, United Kingdom, and etc.

For more information, visit www.waterco.com.



Dave Tan (third from left) and his colleagues at their booth at ArchXpo 2016.

Thung Hing

Thung Hing is a leading manufacturer and supplier of high quality building materials for the construction industry. Founded in 1983 in Malaysia, the company's ISO 9001 certified factories in Rawang Industrial Area, Malaysia, manufactures products to meet the demands of its customers from all over the world.

It was Thung Hing's first time exhibition at ArchXpo 2016 and the company showcased its wide range of products namely Metal Roofs; Metal Trusses and Purlins; Fire Rated Metal Doors and Window Frames & Rain Water Harvesting Products and Systems.

Fireproof solutions

As an ISO 9001-certified and Golden Bull Award company, not only are Thung Hing's fire resistant door sets and accessories designed to meet domestic and international standards, but they are also tested and proven to withstand longer (up to 135 minutes, up to 1000°C.)

Shutter solutions

High quality shutter slat and high performance drum assembly combine for a durable, stylish



Manson Kang (third from left) and his colleagues at their booth at ArchXpo 2016.

roller shutter door series. Combined with 940Nm-drive motor, safety sensors and remote/manual control, the user can enjoy high performance and reliability.

Structural Solutions

TH Vertical Standing Seam delivers clean lines with unmatched quality, designed for both appearance and resilience. 12", 16" and 18" coverage complete with concealed clip for thermal movements make it ideal for all structures whether residential, commercial or industrial.

"We provide building products of the finest quality and we hope to showcase these products at the exhibition," said Manson Kang, Senior Sales Manager, Thung Hing.

For more information, visit www.thunghing.com.my.

Vodapruf Pte Ltd

Vodapruf Pte Ltd, a leading supplier of high-quality construction materials in Singapore and Malaysia, exhibited solutions for waterproofing and lightweight insulation at ArchXpo 2016.

The company manufactures its own product, LIGHTERM. It is a lightweight aggregate specially treated with their patented additives. LIGHTERM when mixed with cement, becomes a lightweight screed (LIGHTERM Screed) – density of only 250kg/m³. It achieved thermal conductivity – as low as 0.067 W/mk. LIGHTERM Screed has acquired COC (Certificate of Conformity) issued by TÜV SÜD PSB Singapore. It is suitable for indoor and outdoor applications.

Vodapruf launched its new production line for waterproofing products at the ArchXpo 2016. The vFlexi is a highly elastic 2-component polymer-cement waterproofing coating. It is a waterproof yet breathable coating, thus allowing vapour transmission. vFlexi is able to "bridge" cracks up to 2mm when used in combination with vFlexiMesh. vFlexi is designed in compliance with the Housing and Development Board (HDB) waterproofing requirement.

The vFlexiMesh is claimed to be a one of its kind innovative mesh by Vodapruf. Unlike regular fiber glass that is rigid, vFlexiMesh is extremely elastic. This enhances the crack bridging ability of vFlexi. vFlexiMesh is recommended to be used in areas that are prone to high chances of cracks, such as wall floor joints, water retaining structure and roof.

vFlexi and vFlexiMesh are suitable for use in wet kitchens, water tanks, toilets, balconies, fish ponds, concrete gutter / roofs, bathrooms, planter boxes, sea walls, swimming pools and retaining walls.

Other products by Vodapruf include vSlurry, vAcrylic, vWaterRepel and vWaterPlug.

For more information, visit www.vodapruf.com.



Ms Mindy Tan from Vodapruf Pte Ltd.



Application of LIGHTERM.
Photo: © Vodapruf Pte Ltd

Hunter Douglas Singapore Pte Ltd

Hunter Douglas Singapore Pte Ltd showcased the NBK architectural terracotta at ArchXpo 2016. The NBK architectural terracotta, as the company puts it, "is a modern rendering of the traditional elements."

"We are promoting our terracotta panels and their numerous benefits at the show," said Ms Sidney Tan, Assistant Manager – FSC, Hunter Douglas Singapore Pte Ltd.

Architectural terracotta panel system is a kind of new curtain wall system, adorned with terracotta panels as a decorative surface and functions based on the rainscreen principle. It is a smart combination of traditional materials and modern architecture, featuring large-format panels, functionality and a complete system solution. The architectural terracotta products can be customised upon request into a huge number of special ceramic shapes and sizes. The surface design also offers a wide variety of options. In addition, the distinctive elements and versatile surface finishes work together to create an impressive façade for buildings.

The NBK architectural terracotta system by Hunter Douglas was successfully installed at the Anggerek Desa Technology Park Phase 3 Brunei, a project by the Brunei Economic Development Board (BEDB). Current on going projects include 65 Lloyd Road, St Joseph Homes and Sophia Hills @ Mt Sophia in Singapore.



Sidney Tan with the NBK terracotta panels in the background.



NBK terracotta panels that were used for the interior walls of MRT and underground stations. Photos: © Hunter Douglas

Hunter Douglas also took the opportunity to showcase the NBK Interior Wall Panel System at the show. "Traditionally, NBK terracotta panels have been designed for outdoor usage, but now we are expanding its usage indoors," said Ms Sidney.

NBK Interior Wall Panel System is a new attractively priced patented glazed terracotta system developed exclusively for the interior walls in pedestrian walkways and areas such as MRT, underground stations, airports and shopping centres.

Benefits of using the NBK Interior Wall panel System include:

- Each panel is individualised and can be removed and changed individually, making it easier for maintenance.
- Appearance is neat with joint gaps of only 5mm complete with integrated black PVC central spacer.
- The support system is fully adjustable to suit site installation.
- The tiles are able to withstand impact and can dampen vibration due to integrated EPDM rings.
- Fixing clip includes stopper hook to prevent panel uplift / drop off during vibrations (e.g. moving trains).
- New fixing clip accommodates for 2 x panels reducing number of fixing clips required.
- Cavity gap behind allows for concealed services and easy accessibility for maintenance.
- Open ventilated joints allows for moisture / humidity from substrate to expel from cavity.

For more information, visit www.hunterdouglas.com.sg.

ISOTEC Project Logistics & Consulting Pte Ltd

ISOTEC Project Logistics & Consulting Pte Ltd launched new product called "AH" Lightweight Insulation Block product at ArchXpo 2016.

"AH" Lightweight Insulation Block is made from recycled LCD glass which is environmentally-friendly and do not contain any toxic by-products such as asbestos and formaldehyde. It is a 100 percent green product and is certified non-combustible, having attained a 132 minutes fire rating by TÜV SÜD PSB Pte Ltd, Singapore. AH Lightweight Insulation block has undergone an acoustics lab test, obtaining a noise reduction coefficient (NRC) rating of 0.45 and a sound reduction index (STC) of 34 dBa.

"AH" Lightweight Insulation Block reduces up to 50 percent of the average weight of partition walls, ceiling blocks and fire doors. It is a good heat insulator and the indoor temperature difference between its external walls can potentially achieve an average of more than 15 degrees. The blocks do not produce any toxic smoke in any unforeseen cases of burning. It is used for residential buildings, laboratories, petrochemical industries, marine industries, boiler rooms and warehouses, broadcast studios, performance theatres and auditoriums.

The lightweight solid blocks combine the advantages of "skeleton + panel + lightweight insulation block" for all kinds of walls and ceilings and comprise a systematic assembling method.

AH offers users many benefits:

- Shorter construction time & higher work efficiency
- On-site waste reduction
- Higher physical performance
- Noise-proof performance
- No harmful ingredients
- Applicable to light steel buildings; offices, commercial spaces, schools; broadcasting studios; factories, warehouses; hospitals; clinics, nursing homes. Etc.

"We have received several certificates from TÜV SÜD in June. The product has passed many tests for fire resistance and acoustics and this shows that it is superior than commonly-used partition walls," said Carol Hoe, Director, ISOTEC Project Logistics & Consulting Pte Ltd.

For more information, visit www.isotecgroup.com.



Carol Hoe posing with the "AH" Lightweight Insulation Block product.

Dyson Singapore Pte Limited

It all began with James Dyson himself, who wondered if a vacuum cleaner really needed that bag. Later, Dyson engineers discovered hand dryers could dry hands without heat and fans didn't have to use blades to cool you down.

All Dyson Airblade™ hand dryers are powered by the Dyson digital motor V4 – one of the world's smallest, fully-integrated motors. Its small size and power density are what have made our latest hand dryer technology possible.

At Dyson, the company has been challenging the conventions of existing technology for over 20 years. Its engineers use this approach every day – helping the company invent new machines that simply work better.



The Dyson Singapore team at their booth. Photo: © Dyson

At ArchXpo 2016, the company showcased the following products.

Dyson Airblade V

The Dyson Airblade V hand dryer has a slim profile that protrudes just 10 centimetres from the wall. It is 60 percent smaller than the original Dyson Airblade™ hand dryer, it is 35 percent quieter than its predecessor – a reduction that actually sounds much quieter to your ear, but still dries hands in 12 seconds. Concentrated, not compromised.

Dyson Airblade dB

The Dyson Airblade dB hand dryer has been approved for use in the food preparation environments by HACCP International. It is the only hand dryer globally certified as hygienic by both NSF and HACCP International.

Dyson Airblade Tap

With Airblade™ technology in a tap, hands can be dried at the sink in just 12 seconds. There is no need for users to move to a separate drying area, so no water is dripped on the floor.

Other hand drying methods take up valuable wall and floor space. With the Dyson Airblade Tap hand dryer, there is room for extra toilet cubicles and other facilities.



Dyson Airblade dB
Photo: © Dyson



Dyson Airblade V.
Photo: © Dyson



Dyson Airblade Tap
Photo: © Dyson

For further information, visit www.dyson.com.sg.

Hitachi Elevator Asia Pte Ltd

Hitachi Elevator Asia Pte Ltd showcased the Home Elevators for Private House at ArchXpo 2016. With Hitachi's high-quality home elevators, homeowners can enjoy refined functions and sophisticated design to match the interiors of your home.

"Our objective of participating in ArchXpo 2016 is to create awareness among trade visitors that Hitachi also provides home elevator solutions," said Ng Su Shan, Sales Engineer, Sales Department (Singapore), Hitachi Elevator Asia Pte Ltd.

Hitachi Home Elevators offer many features and benefits. They include:

- (1) Safety – Automatic Rescue Device for power failure (ARD) and Car Emergency Lighting (CEML)
 - Multi-Beam Door Sensor
- (2) Space-saving – Space-saving solutions
- (3) Comfort – Hall Call Button & Car Operating Panel
 - 100mm Higher Car Ceiling Height and Entrance Height
- (4) Energy-saving and ECO functions
 - LED Car Lighting
 - Energy Saving

Hitachi Home Elevators offer many models and designs to cater to the different needs of homeowners.



Interior of the Hitachi home elevator showcased at ArchXpo 2016.



Exterior of the Hitachi home elevator.

For more information, visit www.hea.hitachi.com.sg.

BuildTech Asia 2016

International Building Technology Expo

A part of  SINGAPORE CONSTRUCTION PRODUCTIVITY WEEK 2016

18-20 October 2016
Singapore Expo
Singapore

BuildTech Asia 2016 offers insights and new technology for building and construction professionals



Minister Lawrence Wong officially opens Singapore Construction Productivity Week 2016. Photo credit: Sphere Exhibits Pte Ltd

BuildTech Asia 2016, one of the region's leading trade shows for the building and construction industry and a hallmark event of the Singapore Construction Productivity Week (SCPW), returned once again to the Singapore Expo from 18-20 October 2016. Mr Lawrence Wong, Minister for National Development and Second Minister for Finance, officially opened the exhibition on 18 October 2016 in the presence of distinguished guests and industry players.

Now in its sixth edition, BuildTech Asia 2016 was organised by Sphere Exhibits and was hosted by the Building and Construction Authority (BCA). This year, BuildTech Asia 2016 showcased a variety of smart building and construction technologies required to enhance productivity and efficiency in the built environment sector across its varied verticals.

According to Sphere Exhibits, the Asian building technology market could be valued as high as \$1,036 billion by 2020, creating opportunities for development and adoption in the region. In Singapore, average construction demand will likely sustain between \$26 billion and \$35 billion in 2017 and 2018. Integrating technology into buildings contributes to an increase in building function productivity of 3.8 percent.

Besides the exhibition, BuildTech Asia 2016 included guided tours, conferences, workshops, productivity awards and networking opportunities for the trade visitors.

Over 100 exhibiting brands representing 15 countries namely Austria, Australia, Canada, China, France, Hong Kong, Ireland, Japan, Malaysia, New Zealand, Singapore, South Korea, Taiwan, USA and Vietnam, showcased smart building and construction technologies. Exhibitors included ACME Equipment, Chun Hoe, DiHub, Eastern Pretech, Heibeijinbiao Construction Materials, Hume Cemboard, Peikko, Samwoh, Splice Sleeve, Terralite, USG Boral and others. Over 6,000 visitors attended the exhibition over the three days.

For the first time, BuildTech Asia 2016 unveiled a new conference on Building Internet of Things (IoT).

Organised by Sphere Exhibits, the two-day inaugural B-IoT Asia conference and exhibition educated participants on the best practices and methodologies to apply the Internet of things technology into construction and building.

BuildTech Asia 2016 was also supported by the governments and trade associations of Canada, Indonesia, Malaysia, Myanmar, United Kingdom and Vietnam, as well as trade delegations from Australia, Canada, India, Indonesia, Japan, Malaysia, Pakistan and Thailand.

For more information, visit www.buildtechasia.com.



The BuildTech Asia 2016 Exhibition. Photo credit: Sphere Exhibits Pte Ltd

Hao Wei International Pte Ltd

Hao Wei International Pte Ltd is a supplier of extruded polystyrene thermal insulation board in Singapore. "The product can be used for roof top insulation, foundation insulation, floor insulation, wall insulation and pre-casting," said Cynthia Zou, Sales Engineer, Hao Wei International Pte Ltd.

Features and benefits include:

- Low coefficient thermal conductivity
- Reduce air infiltration
- Lightweight and easy to handle
- High compression strength
- Provide continuous coverage
- Reduce potential condensation
- Resist moisture absorbency and protect against outside moisture

For more information, visit www.haowei.com.sg.



Cynthia Zou with the extruded polystyrene thermal insulation board at her company's booth at BuildTech Asia 2016.

Hume Cemboard Industries Sdn Bhd

Hume Cemboard Industries (HCI) Sdn Bhd exhibited in BuildTech Asia 2016 alongside its distributor in Singapore M. U. Building Products Pte Ltd. "We came to BuildTech Asia to create a greater awareness among our visitors on the functionality, versatility and contemporary features of fibre cement products," said May Soh, Sales Manager, M. U. Building Products Pte Ltd.

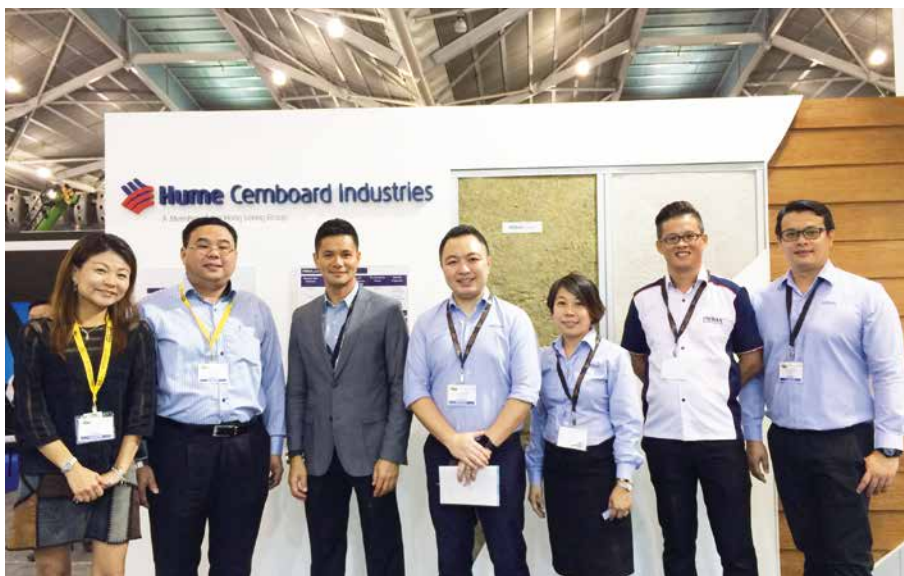
HCI is a member of one of the largest conglomerates in Asia under the Hong Leong Group, being a leading fibre cement manufacturer in Malaysia. HCI serves the growing market of Malaysia and 40 countries worldwide. It is also an ISO 9001 2000 accredited company with an array of fibre cement products which includes building solutions for ceiling applications, wall partitioning, external siding and flooring applications (*backer board*) under the brand name of PRIMA™.

PRIMA™ products are asbestos-free and made from top grade cellulose fibre, portland cement, refined silica sand and water. It is ideal for both internal and external applications for residential, commercial and industrial developments due to its resistance to fire and water, with excellent heat and sound insulation attributes.

PRIMA™ products comprise of PRIMAp^lank™, PRIMAf^lex™, PRIMAl^liner™, PRIMAd^rYWALL and PRIMAs^lolidwall which includes a recent new addition under the Systems' portfolio PRIMAc^eiling - Seamless. According to HCI, PRIMAc^eiling - Seamless merge both the functional and high level performance elements together with the visually aesthetic appeal in meeting all your ceiling requirements. PRIMAc^eiling - Seamless is distinctively lighter yet stronger bringing innovation and quality to a whole new level where ceiling applications are required.

Manufactured from sources that are sustainably-managed, the PRIMA™ fibre cement boards are smooth, flat and solid with thicknesses ranging from 3.2mm to 32mm for various applications. The durability, flexibility and low maintenance factors coupled with the superior strength of the boards gives you the ease of mind when using PRIMA™ fibre cement.

For more information, visit www.primafibrecement.com and www.mubp.com.sg.



May Soh (extreme left), her colleagues and staff from Hume Cemboard Industries at BuildTech Asia 2016.

Venturer Private Limited

Venturer Private Limited is a leading Singapore-based supplier and installer of Engineered Wood Hybrid Structures (EWHS). Leveraging on the highly pre-fabricated and flat-packed mass timber components like Cross Laminated Timber (CLT) panels and Glued Laminated (Glulam) beams and posts, Venturer delivers durable hybrid structural solutions that potentially add value to any given scheme.

"Our engineered timber is shipped from Europe, most frequently Austria. In many cases, it can replace concrete and steel for structure at 1/4 the weight, but in areas of the building where it is not suitable, like the foundation, it reduces the amount of concrete and steel that is required. The result is a lighter and more sustainable structure," said Berenice Guerra, Designer, Venturer Private Limited.



Berenice Guerra at Venturer Pte Ltd booth at BuildTech Asia 2016.

Venturer's range of services

- BIM integrated design
- Design for Manufacture Assembly (DfMA)
- Collaboration with the client and creative design teams
- Pre-tender documentation
- Development of local typologies
- Analysis of engineered and solid wood solutions including CLT and Glulam
- Full QP and engineering calculations, including concrete and steel and hybrid elements of structures
- Global timber specialist

The company has supplied and installed its Engineered Wood Hybrid Structures in several projects. They include The Orchid at Shangri-La Hotel in Singapore, a light industrial at One North in Singapore and public areas at The St. Regis Maldives Vommuli Resort.

"The product is like Lego so you need minimum assembling and installation. It is fabricated and brought to the site for installation. Our engineered wood adds value to your project and improves the quality, productivity, value and durability," said Berenice.

Venturer also offers a wide range of architectural timber, including: tropical, temperate, solid, engineered and process modified timber, primarily focused on externally rated products for decking, cladding, roofing and other applications. The company supplied its solid wood to the Marina Bay Sands Skypark in Singapore.

For more information, visit www.venturer.biz.



Students from different universities of Singapore visiting the Venturer booth during BuildTech Asia 2016.

E.MIX Industry (S) Pte Ltd

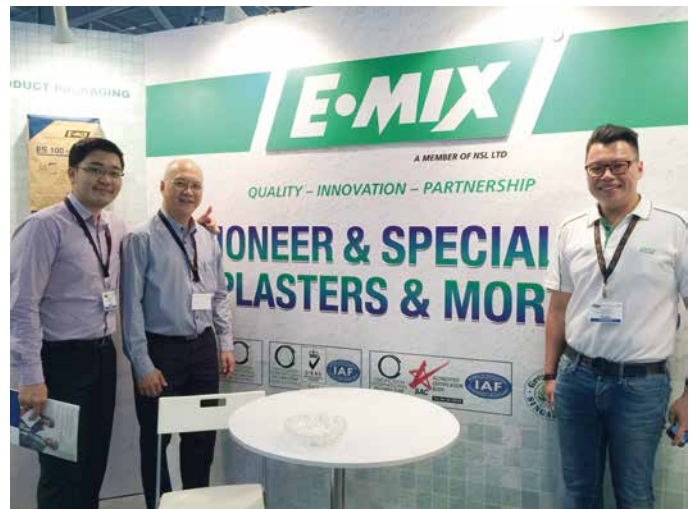
E.MIX Industry (S) Pte Ltd is one of Singapore's pioneers in premixed plasters and mortars technology. Established since 1984, E.MIX has grown into a construction market leader that produces excellent and conforming premixed products, and have regional operations in Asia Pacific with manufacturing facilities in Singapore, Malaysia, Hong Kong and China.

E.MIX plants are fully automated and hence, the processes are systematically monitored and controlled to provide and deliver products of premium quality. With over 30 years of experience in the building industry, E.MIX's products have been used in many prominent projects in Singapore.

At BuildTech Asia 2016, the company showcased its wide range of eco-friendly products, which are widely used in HDB and private projects.

E.MIX product series comprises of:

- Aero Series (for spraying);
- Render and Screed Series;
- Tile Adhesive Series;
- Skim Coat Series;
- Waterproofing Series;
- Self-Levelling Screed Series;
- Non-shrink Grout Series;
- Admixtures and Others Series.



Mr James Lok (extreme left), Mr Tan Kim Song and their colleague at the E.MIX Industry booth.

"We are the pioneer and specialist in premixed mortars and plasters and we hope to show visitors how our products, systems and solutions can help them in their building projects," said Tan Kim Song, Regional Technical Manager, E.MIX Industry (S) Pte Ltd.

For more information, visit www.emixgroup.com.

Hebei Jinbiao Construction Materials Pte Ltd

Hebei Jinbiao Construction Materials Pte Ltd is a manufacturer of gold standard Mesh Fence, Noise Barrier, Aluminium Formwork and Gabion Products. With the manufacturer plant in China Hebei Province, the company has invested \$60 million RMB to R&D to fabricate different products to its customers' requirements.

All the company's products have passed the ISO 9001 quality system certification. The company's in-house R&D team manufactures up to date quality products to meet the fast-growing demand in the market.

"We have a number of products for the construction industry to improve their productivity and efficiency," said Md Firdauz Haris, Marketing Executive, Hebei Jinbiao Construction Materials Pte Ltd. The company has taken part in BuildTech Asia several times already.



Md Firdauz Haris (right) and his colleague at their booth.

Wire Mesh Fence

The structure is weaved and welded, using carbon steel wires, pre-fixed linking accessories and steel pipe. It is high strength, easy to install and aesthetically pleasing. Triangle bended mesh is mainly used in municipal Greenfield, flowerbed, workplace, greenfield road, airport, harbour greenfield, etc. The products have beautiful shapes and various colours. It not only secures but also beautifies the landscape.

Gabion

Gabion uses Steel wire to twisted and bound together to form boxes and later filled up with stone or laid out on terrain to offer extremely strong properties under rural environment as compared with concrete. Gabion is one of the most common civil engineering technology that is widely used in various countries such as China, USA and even in Afghanistan. It is environmentally friendly as it uses natural materials.



Temporary Noise Control Barrier - MOH Project, future Polyclinic. Barrier with a 'tree' design. Photo: © Jinbiao



Permanent Noise Control Barrier - Town Council Project, used in Petrol Station. Photo: © Jinbiao



Triangular Bended Fence - Downtown East project with customized post. Photo: © Jinbiao



Double Wire Mesh Fence - used at a Futsal Court. Photo: © Jinbiao

Noise Control Barrier System

Noise Control Barrier System is designed in a mobility and transportable barrier system, as an effective noise mitigation system for reducing unwanted noise for all changing situation. In Singapore, government bodies have found such equipment to be highly effective and such has set requirements to erect such Noise Control Barriers in noise sensitive areas for most projects.

It can be positioned in different terrains to isolate any unwanted noise source and left there as long as necessary is required. Upon completion of the sites or applications, the barrier system can be easily relocated to a different site or application. Most importantly, the noise control barrier system can offer a cost effective solution for a long term usage due to the unique system.

Noise Reduction Net is based on a high-tech acoustic screen developed by Japan, which typically fits around fencing or scaffolding units. It not only provides exceptional convenience during fitting and removal, but also good acoustical performance.

For more information, visit www.jinbiao.com.sg.

BIM&CO

BIM&CO is a free, cloud-based, collaborative platform where all digital modelling players can create, publish, contribute and use BIM objects from all over the world.

All the different players involved in BIM will be able to create, co-create, manage, collaborate, publish and use all types of BIM objects in public or private spaces on the platform, thanks to a centralised environment that is accessible free of charge anywhere in the world via Internet.

For architects, design offices and economists, they can use BIM&CO objects in their digital models. They can use data and objects from the platform, publish their own objects, exchange information with manufacturers, etc.

The company, which is based in France, exhibited in BuildTech Asia 2016 for the first time to share the benefits of the platform with trade visitors. "Our cloud-based BIM is a smart and collaborative BIM Content Platform," said Charles Vidal, Country Manager Singapore and Architect, BIM&CO.

For more information, visit www.bimandco.com.



Baptiste Mullie (left) CTO and Charles Vidal (right) Country manager/Architect at their booth at BuildTech Asia 2016.

Daebo Housing Co Ltd

Daebo Housing Co Ltd is a leading Korean manufacturer of an EIFS (Exterior Insulation Finishing System) and the decorative finishing (trowel & spray types), which are made mostly of eco-green water-based binders and pure natural stone powders. There are over 30 kinds of building finishing products that are being produced.

The company showcased its external insulation system for facades at BuildTech Asia 2016. It was the company's first time participation at the show. "Our products are applied in the U.S.A, Canada, Japan and other 13 countries and we want to introduce the product here," said Jack Yoon, Chairman, Daebo Housing Ltd.,

The company has a partner in Singapore called Wayfoong International Pte Ltd. For more information, visit www.daebohousing.co.kr/english1.



Jack Yoon at his booth at BuildTech Asia 2016.

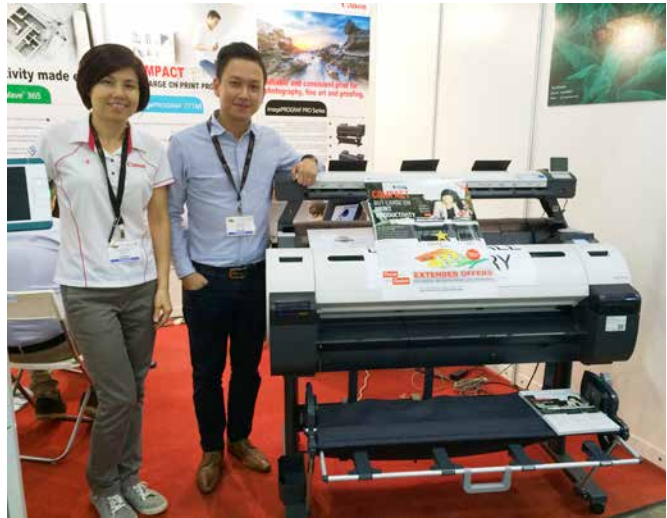
FSG Pte Ltd

FSG Pte Ltd, an authorized Imaging Solutions Partner of Canon Singapore Pte Ltd, exhibited in BuildTech Asia 2016 for the first time. The company showcased two latest Canon Multifunctional Large Format printers and Océ wide format technical document plotters which are designed for excellent quality results in the most efficient time.

Canon imagePROGRAF iPF771M

Ideal printing solutions for CAD and GIS

- Hot-Swap ink tanks allows uninterrupted printing while replacing ink tank
- 5-Colour dye and pigment reactive ink with vibrant magenta ink for more distinct colour drawings
- Borderless Printing
- Cloud-Ready Capabilities
- Unique, Lightweight and Compact Design that takes up less space
- Scan-to-Copy
- Scan-to-USB
- Simple & Intuitive Operation



Yeo Sock Hwa, Manager, Professional Printing Product Division, Marketing Department, Canon Singapore Pte Ltd (left) and Casey Chua, Director, FSG Pte Ltd standing beside the new Multifunctional Printer at BuildTech Asia 2016.

Océ Plotwave 365

Offers technical users new levels of security, cost-effectiveness and simplicity.

- Print up to 6 A1 plot in 1 minute
- Cut down on waiting time, virtually no warm-up time required
- Access document directly using USB stick/network/cloud
- Print from smart devices
- Consistent quality output in copying/printing/scanning



Canon imagePROGRAF iPF771M offers ideal printing solutions for CAD and GIS. Photo: © Canon Singapore Pte Ltd



Océ Plotwave 365 offers technical users new levels of security, cost-effectiveness and simplicity. Photo: © Canon Singapore Pte Ltd

For more information, visit www.fsg.com.sg.

USG Boral

USG Structural Panel Concrete Subfloor by USG Boral

At BuildTech Asia 2016, USG Boral showcased the USG Structural Panel Concrete Subfloor.

A New Way to Build Floors

USG Structural Panels by USG Boral are high-strength reinforced concrete panels for use in non-combustible construction. Lighter than pre-cast or poured concrete, USG Structural Panels provide a new, easier and more efficient way to build floors. The Structural Panel Concrete Subfloor system consists of steel joists, trusses or framing members, fire resistant board that acts as a ceiling for the unit below and USG Structural Panels applied with mechanical fasteners.



A New Level of Performance

Lightweight Flooring for Modular Construction

USG Structural Panels by USG Boral provide the strength required of flooring and are truly non-combustible. Each 19mm thick, 4 feet wide and 8 feet long panel weighs approximately 68kg (approximately 23kg per square metre). When fastened to metal framing, this lightweight assembly can significantly reduce design loads (when compared to similar buildings with concrete floors), thus reducing overall building costs. This makes it a suitable product for use in Prefabricated Prefinished Volumetric Construction (PPVC) as it significantly lightens the load of the modules.

Fast Installation – Dry Construction

USG Structural Panels install like traditional flooring but at a fraction of the weight. They can be cut easily with a circular saw (safety precautions must be observed) and fastened using self-drilling screws and a screw gun. The panels can be installed in most weather conditions (as job safety procedures permit) and immediately exposed to rain.

Dimensionally Stable

This fiberglass-reinforced cementitious panel will not swell or delaminate (less than 0.10 percent) in the presence of moisture. Tongue-and-groove joints should be fitted tightly without any gaps. Panels will not buckle or warp, even under changing temperature and moisture conditions.

Greener Building

Green building can create environmental, economic, health and community benefits. Structural Concrete Panels are formaldehyde-free and resistant to mould and termites.

For more information, visit www.usgboral.com.

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15-19 Mar 2017

World Trade Center Metro Manila, Philippine
Trade Training Center and SMX Convention
Center Manila
Manila, Philippines

Building Bolder Perspectives at WORLDBEX 2017

Coming from a widely successful installment in 2016, the much anticipated Philippine World Building and Construction Exposition or simply, WORLDBEX, returns for its 22nd installment – bearing new leads into the future and priceless insights from the past. Organised by no less than the country's leading events and expositions organiser, Worldbex Services International, WORLDBEX 2017 is happening on March 15 to 19, 2017 from 10am to 8pm at the World Trade Center Metro Manila, Philippine Trade Training Center, and SMX Convention Center Manila.

From “Uniting Strong Foundations” in 2016 comes a visionary aim to “Build Bolder Perspectives” – a theme borne out of a commitment to turn innovative ideas into reality. As such, WORLDBEX 2017 promises to deliver its most unprecedented show yet as it expands into new territories and possibilities. For the first time, this year's exhibition will occur simultaneously in three spaces, including a new satellite venue at the bayside commercial district of the SMX Convention Center – equating to more room for growth and meaningful new connections for the local construction and design community.

With a total of 1,000 companies taking 37,100 square metres of exhibit area, WORLDBEX 2017 is gearing up for an expected foot traffic of 170,000 trade show attendees. WORLDBEX 2017 will showcase 1500 booths along with over 20 participating countries including Singapore, Malaysia, China, Vietnam, South Korea, Turkey, Taiwan, South Africa, UAE, Australia, Germany, Spain, Thailand, Japan and the US.

The result? A world-class product profile that will showcase the widest



Photo: © Worldbex Services International



Photo: © Worldbex Services International

selection of the most advanced and state-of-the-art product and service innovations such as Mechanical & Electrical Engineering Systems, Exteriors & Finishing Materials, Interior Design & Renovation, Information Technology & Telecommunication, Building Materials, Equipment & Services, and everything else in between.

Beyond boasting of a wide array of product and service displays, WORLDBEX once again invites attendees to take advantage of its compelling and exciting line-up of event highlights and pocket activities. Don't miss this year's run of the Architect's Gallery that will feature the City of Tomorrow exhibit; Interior Designer's Gallery; Worldbex LAB, Worldbex Seminars, and the Business Matching Service and Live Product Demos.



Photo: © Worldbex Services International

A trailblazing force in the local construction and design industry, WORLDBEX continues to light the way towards progress. This season, join the rest of the Philippine construction and design community in "Building Bolder Perspectives" at the 22nd WORLDBEX!

For more information, visit www.worldbex.com.

SG Eco Industries

SG Eco Industries, located in the Clark Freeport Zone in the Philippines, specialises in the design, manufacture and exporting of eco-friendly products. One of these products is the Famous Sky Tunnel™ Natural Lighting Tubular Skylight.

Sky Tunnel™ is suitable for both residential and commercial applications including warehouses, offices, supermarkets, classrooms in fact almost anywhere electric lighting is used during daylight hours.

Sky Tunnel™ is available in sizes ranging from 254mm to 750mm diameter so there will be a size to suit your application.

Sky Tunnel™ has no running costs, is virtually maintenance free, provides 100 percent colour rendition, improves occupants comfort, improves human productivity, adds NO heat load to the building, is environmentally friendly and has a quick ROI.

Sky Tunnel™ is available with Flexi-tube™ or Rigid98 Tube (Silver Coated Aluminium with a total reflection of 98 percent) and comes with a 7-year manufacturers warranty.

For more information, visit www.eco.ph.



Photo: © SG Eco Industries



Photo: © SG Eco Industries

Multi-Rich Home Decors Incorporated

Wilsonart Engineered Surfaces is a world leading manufacturing and distribution organisation that is driven by a mission to create innovative, high performance surfaces people love, with world-class service our customers can count on, delivered by people all over the world who care.

The company, headquartered in Austin, Texas, manufactures and distributes High Pressure Laminate, Quartz, Solid Surface, Coordinated TFL and Edgebanding, and other engineered surface options for use in furniture, office and retail spaces, countertops, worktops and other applications.

For 60 years, Wilsonart has honoured its founders' promise to provide its customers with industry-leading products and service. The company does business in more than 90 countries, operating under the Wilsonart®, Resopal®, Polyrey®, Arborite®, Laminart®, Bushboard®, Ralph Wilson® and Durcon® brands. Wilsonart currently manufactures in two US locations, plus Canada, United Kingdom, France, Germany, China and Thailand.

All Designs

With an ever expanding collection of custom laminate designs, Wilsonart's Virtual Design Library gives you the opportunity to make every space unique. Its digital design library contains something for every space or inspiration.

Artfully Repurposed Woods

Springing into existence, Wilsonart's newest collection infuses something unexpected into today's modern spaces. These uniquely crafted looks are a nod to the repurposed and reused trends resurfacing, complemented by a touch of warmth and comfort.

Materials

Wilsonart is consistently surrounded by diverse and unique surfaces. Its new Materials category focuses on showcasing this versatility of nature. Everyday materials such as stone, concrete, metal and paper have been reinterpreted by pushing the limits of expected visuals with surprisingly beauty and practical aesthetics.

Nature

Natural materials and images have the benefit of reminding us of our connections to nature. Appealing images of nature can create positive feelings and mimicking the natural world brings us pleasure and delights our senses.

Multi-Rich Home Decors Incorporated is the exclusive distributor of Wilsonart Engineered Surfaces in the Philippines. **For more information, contact Multi-Rich Home Decors Inc. at tel (+63) 2 534 1333 or fax (+63) 2 533 2026. You can also visit the website www.wilsonart.com for further information.**



Photos: © Wilsonart

FRAMECAD

FRAMECAD is an advanced, end-to-end Design and Build system enabling the rapid construction of quality buildings for businesses, governments and communities worldwide. FRAMECAD's Technology offers advanced computer aided manufacturing systems specialised for Light Gauge Steel construction also known as Cold Formed Steel construction.

The FRAMECAD Design and Build System produces cost-effective, lightweight steel framing components quickly and efficiently such as roofing, flooring, walls and trusses. With more than 25 years of experience, FRAMECAD® Manufacturing Equipment are made in New Zealand with quality New Zealand and European componentry from reliable suppliers.

FRAMECAD Manufacturing Systems are all equipped with intelligent FRAMECAD software which streamlines engineering, designing and detailing processes, ensuring buildings can be rapidly built and easily duplicated, while being strong, durable and fit for purpose.

FRAMECAD offers a wide range of systems varying from single profile, multi profile, and special needs responding to every lightweight steel framing building project.

The very popular F325iT roll forming machine is a highly versatile member of the FRAMECAD range and the best suited for residential and light commercial projects. The F325iT has been designed to offer increased production speed, greater flexibility and increased reliability. It can produce profiles from 63mm (2.5") to 150mm (6") in steel up to 1.15mm (18g) BMT thickness.



Rapid Building Solutions

Photo: © FRAMECAD

The F325it offers unrivalled benefits such as:

- Full integration with FRAMECAD® software, and FRAMECAD's online applications, Internet and WiFi capable
- Equipped with value engineering software incorporating light gauge steel building codes and calculations output as required
- An Auto gauging system to automatically adjust gauge range when required
- Equipped with the next generation technology, online remote diagnostic support & specialist machine production data reporting and built-in Internet connectivity

For more information, visit www.framecad.com.

GRP Sdn Bhd

GRP Sdn Bhd delivers functional and superior quality bonding, sealants and coatings products. GRP holds the leading market position both locally and globally in the consumer and industrial businesses with its flagship brands under DUNLOP and JEBSEN ADHESIVE.

GRP products are used as a solution to a diversified range of applications that meeting the needs of these key industrial markets: Constructions, Furniture, Packaging, Electrical Engineering, Coach builders, Shipping Container, Automobile assembly, Air conditioner, Household, etc. Its wide range of products includes adhesive, sealant, coating and cementitious products.

For more information, visit www.grp.com.my.



Products from GRP Sdn Bhd. Photos: © GRP Sdn Bhd

World Class Laminate, Inc.



Photos: © World Class Laminate, Inc.

This WORLDBEX 2017, World Class Laminate, Inc. will be showcasing a fresh collection from world renowned sources producing innovative designs with a refined look and luxurious feel. The company is delighted to offer you this new level of design in Supermatte Finish.

Supermatte Finish - a super opaque melamine finish - is an innovative interior design product that combines elegant aesthetic feel with versatile functionality. With low light reflectivity, its surface is extremely opaque, and features a very pleasant soft touch.

Supermatte Finish Laminates can be used for both horizontal and vertical surfaces and a very wide range of typical interior design applications, both for home and business markets: kitchen and bathroom closets as well as furnishings and fittings such as tables, shelves and other partitioning.

Ever since it was launched, Supermatte Finish has been a "must" for many interior projects for their new kitchen and fitting out projects thanks to its innovative powdery veneer like nature. It is not only a functional material satisfying the large number of day-to-day demands but also provides a new language to reveal its unique identity.

The Supermatte's colour range includes a choice of classic timeless woodgrain (Marino Walnut, Acacia, Silvermaple and Light Apple Tree), stone (Ferro, Marble Carrara), textile (Xander, Xaviera, Italian Textile Cream, Italian Textile Gray), neutral colours (Beige, Black, Graphite, Light Gray) with a superb effect on supermatte feel. The stylistic choice for this material with an evocative surface was inspired by nature itself: powdery/veneer/wood-like feeling.

For more information, visit www.worldclasslaminat.com.ph.

Mercurius Asia (SG) Pte Ltd

Mercurius Asia (SG) Pte Ltd was incorporated to provide a meticulously curated solution for material needs in the building and construction industry.

Catering specifically to those in the facade industry, Mercurius Asia aims to improve the overall standards of buildings and developments by bringing architects, building owners, consultants, contractors and developers closer to quality products specially sourced from all over the world that are safe and easy to install.



Statoil Building in Oslo Fjord. Photo: © Elval Colour S.A.

Mercurius Asia represents the following companies:

Elval Colour S.A.

Mercurius Asia is the sole distributor in Asia for European-manufactured cladding solution, etalbond®. etalbond® aluminium composite panel is the appropriate cladding solution for interior and exterior surfaces in new constructions and renovations. etalbond® is a building material that can be easily formed to a small radius, allowing a greater variety of shapes than many other competitive building products. etalbond® is produced in Greece by Elval Colour S.A. *For more information, visit www.elval-colour.com/en/products/etalbond.*



Amstelveen Theatre Tower in Amstelveen, The Netherlands. Photo: © Elval Colour S.A.

ETEM

Mercurius Asia is the Asian partner for European-manufactured architectural systems solution, ETEM. ETEM architectural systems are designed to meet vast and demanding expectations. ETEM's product range for architectural systems offers a wide variety of solutions to practically realise every residential or commercial application, such as opening doors, sliding systems, internal doors, sun shading railings, systems for the construction of main entrances and many more. In an era where aesthetics is of significant importance in the modern architecture, ETEM offers a wide collection of straight and round contour profiles to meet traditional and contemporary architectural requirements, thus allowing the user to select the system of his choice. *For more information, visit www.etem.bg/bghome.*

Billur Cam Endustrisi

Mercurius Asia is the sole distributor in Asia for one of Turkey's leading curved and flat glass processing companies, Billur Cam Endustrisi (BCE). BCE creates numerous types of glass products for various sectors and implementing some of the most advanced technologies available today. Mercurius Asia aims to offer its Asian customers the highest quality fabrication of armoured glass products, personalised service, prompt delivery and technical assistance. BCE is geographically located in Istanbul and ships glass products worldwide. *For more information, visit www.bceglass.com/index.html.*

Visit www.mercurius-asia.com for further information.

Protego International Co. Ltd.

Protego WoodCare in a system.

Protego International Co. Ltd, based in Trige, Denmark, is introducing a recently developed Hard Oil Wax in 12 colour and in silky matt and zero gloss at WORLDBEX 2017.

This product is new to the markets in Southeast Asia and the response in USA and European markets have been very positive. It offers easy repair and maintenance and is used in both domestic and public areas due to durability and repair. In addition, Thermo Decking Oil will also be introduced at the show. It is available in five colours with special features for perfect protection and durability in exterior surroundings.

Protego will also show its complete range of products for maintenance of wood interior and exterior. Protego supplies to factories, floor installers and end user customers – Woodcare in a system from factory to end user!

For more information, visit www.protegodenmark.com.



Protego Hard Oil Wax Colour Chart. Photo: © Protego International Co. Ltd.

Parbuilders, Inc.

Parbuilders, Inc. is a corporation duly organised with the Philippine Securities and Exchange Commission (SEC) on January 30, 1990 and Department of Trade and Industry. The company's main office is located at Bahman Arcade 3, 152 GP A. Bonifacio Ave., Brgy. Sto. Domingo, Cainta Rizal.

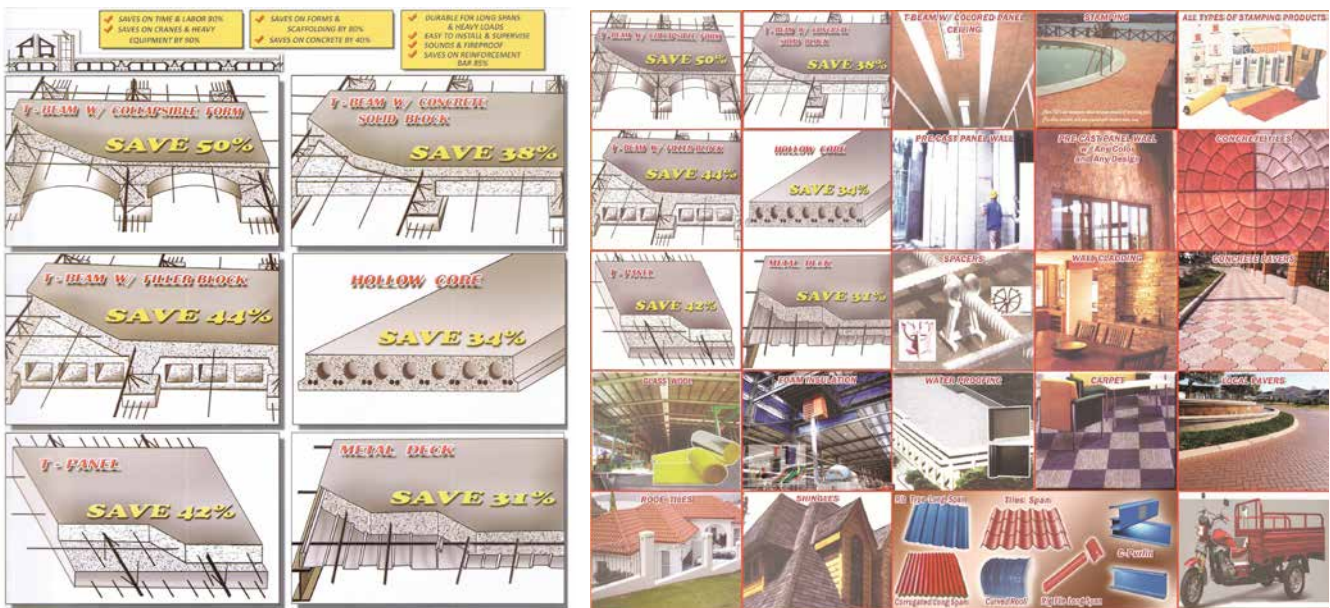
The President of Parbuilders, Inc. is Mr. Bahman Pourmohammad, an Iranian, who has been a resident of the Philippines for more than 30 years, where he graduated with degree in Civil Engineering, Architecture, and Master in Industrial Management, PH.D, and Industrial Management.

In 1990, Mr. Pourmohammad established the corporation to produce and commercialised his inventions of special design-structure Concrete T-Beams and Filler Blocks, which have been awarded first prize by the Department Of Science And Technology And Filipino Inventors Society in 1996 and 1997. Mr. Pourmohammad is an active member of the Filipino Inventors Society since 1996 up to present.

At present the Company's products and services have expanded to include:

- Exclusive distributorship of CSS products like Colour Hardener, Release Agent, Hard Sealers, Polymer and quartzon used for stamping concrete imported from Australia.
- Manufacturer of T-Beam with Collapsible Forms, T-Beam with Solid Blocks (patent holder), T-Panel, Hollowcore, Steeldeck and longspan.
- Production of concrete products like pavers, concrete tiles, wall claddings, and precast wall.
- Exclusive distributor of water proofing, glass wool insulation and shingles. All are imported from Australia, America, Iran and China.

Parbuilders, Inc. provides all basic construction materials from flooring to roofing with very affordable price that suit on your budget without sacrificing the strength and capacity of the materials. **For more information, visit www.parsbuildersinc.com.**



Decomas Philippines

Decomas is a European company specialised in high quality Italian interior finishes. The company started in Italy and currently represented in the Middle East and Central Asia with ASEAN now added. The company's products are sold under its brand name MAS. The company offers an exclusive and large selection of exquisite textured decorative paints, (wood/metal) finishes and interior options with ultimate expression of Italian style, craftsmanship and quality. MAS Paints offer refinement and individuality on an even more rewarding level. Luxury choices, textures and colours are crafted with a personal touch and spaces are converted to make (design) statements.

The combination of ideas, intuition, knowhow and development of new products, MAS Paints developed Decomas a recognised partner for renowned architectural and design studios. Decomas is proud of its cooperation with prestigious international partners in realising their designs. Amongst its past projects are Five-star hotels, Royal Palaces, Government buildings and residences, First



Photos: © Decomas Philippines

and Business class Lounges, Restaurants, Hospitals, Corporate Offices, Spas, Private Villas and Condominium projects.

The company's wood paints are used by the best wood and furniture manufacturers, which realised five star hotels, villas and condominiums. It is also used by many Italian kitchen manufacturers for their exquisite quality and look.

With only the best quality ingredients, the company's paints have superior coverage properties guaranteeing first class finish and as it is water base, it is also better for the environment. A win-win combination.

The company can cater to small scale projects (individual rooms or house/office) as well as larger scale projects. No matter the size of the project, Decomas will work together with you to help your ideas come to life. Partnership, quality and service (before, during and after) are the founding pillars of the company's philosophy. To demonstrate that, Decomas provides a 5-year warranty on all Textured Decorative Italian Paints applied by Decomas or a Decomas certified applicator.

For more information, visit www.decomas.ph.

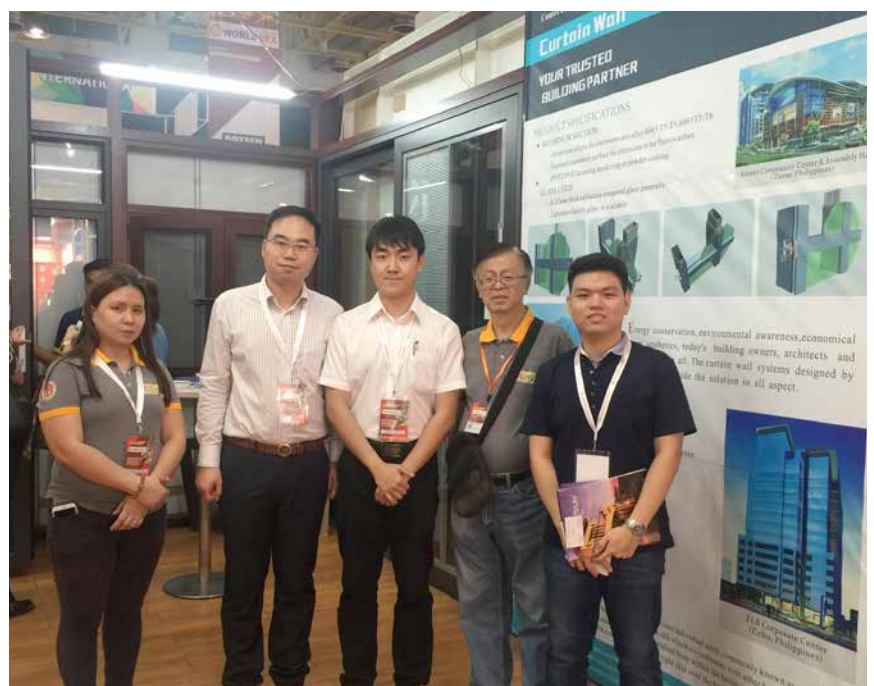
Grandshine

GrandShine is a window & curtain wall fabricator for more than 10 years as well as has the experience to deal with local and overseas market. The company insists that a good aluminum window and door is far more than a simple combination of profile and hardware, but it is always a unified system acting as the eyes of a project.

With around eight years of Southeast Asia market experience, Grandshine clearly realises the customer requirements. The company can provide its customers high standard window system with 1000 psi waterproof performance.

At WORLDBEX 2016, ROALY windows and doors, the high-end brand from Grandshine, launched the high performance curtain wall system and heavy-duty sliding door system with adjustment louver. This is to provide the Philippines market new ideal choice for villas and high-end residential projects expecting fantastic big opening.

For more information, visit <http://aluman.cn>.



Grandshine team at their booth at WORLDBEX 2016 in Manila. Photo: © Grandshine

Jardine Distribution, Inc

A member company of the Jardine Matheson group and working within the framework of Jardine Engineering Corporation, HK, Jardine Distribution Inc. is a wholesale distributor of agricultural and applied construction chemicals.

The company's vision is to be the Marketing and Distribution company of choice in the market and product segments in which it operates.

Jardine represents a number of leading global and local crop protection and applied construction materials companies, each with world class quality products and technical support.

Jardine's applied construction chemical product range also includes wood preservatives, soil termiticides, waterproofing, cementitious add mixtures and other various household pests control products.

Solignum wood preservative

Staying true to its promise of "caring for the Filipino home", Solignum is tried, tested, and trusted by home makers and owners, and has positioned itself as a leading wood preservative brand with over 90 percent market share and is widely distributed to about 9,000 hardwares, Do It Yourself Stores, and selected supermarkets nationwide.

Working diligently and effectively for the past decades, Solignum has already mastered the science of total termite solution – from timber protection to soil treatment and decorative products. And as it keeps on gaining recognition from different institutions like Superbrand, it also continues to update and upgrade its fleet of high quality products such as Solignum Exterior, one of the most advanced wood preservatives to date.

For more information, visit www.jardinedistribution.com.



Solignum Brown for wooden parts such as trusses, fascia. Photo: © Jardine Distribution, Inc.



Solignum Clear for wooden parts that can be painted over. Photo: © Jardine Distribution, Inc.

Focus Global, Inc.

Focus Global, Inc. (FGI) is a progressive marketing company that is the exclusive Philippine distributor of a number of well-known and well-loved international brands such as Coleman, Oster, KitchenAid, Fissler, DMC, Tempur, Subzero and Wolf, Siematic, Boffi, Ethan Allen, B&B Italia, Hunter Douglas, Pella, Miele, Villeroy and Boch, Dornbracht, and InSinkErator. It has built a reputation not only for its high quality products and excellent after-sales service, but also for its competent design assistance.

InSinkErator offers a world of market-leading solutions for the modern kitchen. From the planet's best-selling and most advanced range of food waste disposers to stylish steaming hot water taps, InSinkErator is the benchmark for style and convenience.

InSinkErator Food Waste Disposers doesn't just offer practical, contemporary convenience; it provides an environmentally responsible answer to the growing problem of food waste. This is the easy way to deal with food waste disposals. Fitted easily and discreetly under the sink, a waste disposer effortlessly grinds food waste into tiny particles that are automatically flushed down the kitchen drain with just a touch of a button.

Just about any food waste you can think of – including meat bones – is dealt with by the waste disposer in seconds, quickly and efficiently. The Evolution 200 Food Waste Disposer can deal with all food waste. Safety isn't a problem – the grind ring that does the work so efficiently is safe and there are no blades. An InSinkErator food waste disposer is simply a must-have appliance for the modern kitchen.

For more information, visit www.focusglobalinc.com.



The Evolution 200 Food Waste Disposer. Photo: © Focus Global, Inc.

ABC Phil., Inc.

The Philippines' pioneer and leader in modern tiling technology, Allgemeine Bau-Chemie (ABC) Phil., Inc. is proud to announce the latest innovative building solution for a faster and more convenient Mosaic Tile Installation - ABC 2 in 1 Mosaic Tile Adhesive & Grout.

ABC 2 in 1 Mosaic Tile Adhesive & Grout bonds and grouts ceramic and glass mosaic tiles all in one step. ABC recommends using the thinbed method application for faster, professional and lasting tile installations. ABC 2 in 1 is economical and practical because it saves on labour costs and time. ABC 2 in 1 is an eco-friendly product that assures lasting tile adhesion while creating a safe living environment for you and your family.

To meet the demands of the Philippine market, ABC 2 in 1 Mosaic Tile Adhesive & Grout is available in eight colours – White, Gray, Bahama Beige, Mint Green, Black, Dark Brown, Sorrento Blue and Dark Blue.

ABC is a Filipino-Austrian joint venture established in 1981 with the introduction of tile adhesive and tile grout to address the need for high quality tile setting & tile grouting materials. ABC continues to formulate, manufacture and provide innovative building solutions to pave the way for improved living conditions.

For more information, visit <http://abc.ph>.



ABC 2 in 1 Mosaic Tile Adhesive & Grout. Photo: © ABC Phil., Inc

Multi-Mach International Philippines

Multi-Mach International Inc., one of the leading players in the supply and distribution of foodservice equipment from different parts of the world, once again exhibits its strength and sourcing power with the addition of its hottest European brands for its Lifestyle Collection at WORLDBEX 2017. Incorporated in 1992, and belonging to the Gomeco Group of Companies, Multi-Mach International takes pride in bringing in only the best kitchen brands from outside the country. And, having Technical Management & Services as their sister company, the company ensures all after sales service commitments in terms of replacement or spare parts and labor.

Liebherr Refrigerators

Not only is Liebherr one of the world's largest manufacturers of construction machinery, but their more than 41,500 employees also help to shape technological advances in many other industries including Refrigeration and freezing. Today, the Liebherr Group is still managed by the Liebherr family.

Refrigeration and freezing equipment from Liebherr has had the mark of quality, reliability and longevity for decades. Thanks to innovative technologies and high quality materials, Liebherr equipment is particularly convenient and energy-efficient. Only the best of what you would expect from a German brand.

Falmec Hoods

The best kitchens in the world have a new, intriguing and positive atmosphere, and it is all thanks to Falmec. This Italian company has become an absolute leading international player in terms of quality, innovation, design and sustainability. An extensive and varied project for a wonderful kitchen experience, with exclusive technologies, top-quality materials and aesthetic appeal.

Falmec has evolved from a small manufacturing company to a leading force both in the national and international market, gaining extensive experience in the design and production of



cooker hoods. Cutting-edge research, flexibility in production, development of new technologies and original creativity endow the Falmec collections, reaching the highest levels of Italian excellence in the world.

Barazza Sinks And Appliances

Barazza is not only a brand of household appliances; foremost, it is the name of a family of entrepreneurs who have created appliances which, within this sector, are now synonymous with high performance and advanced design. Barazza meets the expectations of demanding customers and takes care to changing trends, designing and producing exclusive products where styling innovation goes hand in hand with the ability to provide advanced technological solutions to everyday needs.

Modern and contemporary, small or large, linear, corner or with snack area kitchens: Barazza offers appliances and kitchen sinks with matching style, so as to respect the mission of the brand: to create a coordinated kitchen setting.

For more information, visit www.multi-mach.com.

Opple Lighting Philippines Inc

Opple Lighting Philippines Inc believes that choosing the better quality of light will lead you to a better future. The company's three brand values are Innovation, Responsibility and Speed.

Innovation: in application, fixtures, light source and services.

Responsibility: responsible to the business partners, consumers, society, employees and planet.

Speed: faster in providing support, information and developing in the market. It offers reliable quality, affordable price, global scale and local service.

Opple was founded in 1996 and it is one of China's leading lighting brands. The company now has two factories, 30,000 outlets, 3,800 stores and 11 distribution centres. The company's corporate clients in the Philippines include: Filinvest, Fortune Hill, Hennan Resort, Sol Marina, FoodSphere, Royal Cold Storage, Inc., Beauty Elements Ventures Inc., and MegaWorld-Commercial Division.

The company's clients purchase industrial lighting from Opple such as Highbay, which is water and dust proof and suitable for outdoor use, lasts five times longer than metal halide high bays, has 50,000 hour lifespan, is easy to install and can replace existing fixtures.

Flood Light from Opple has excellent thermal management for stable performance, smooth appearance and durable performance and is ideal for outdoor lighting solution.

Slim Panel EcoMax is flicker free, has minimal aesthetic footprint once installed and is a stress-free ambient lighting solution.

Downlight HS is driver on board design to ensure 1-step plug-and-play installation and offers up to 85 percent energy saving compared with 35 percent halogen spot.

One of the company's fast-moving products is LED EcoMax Bulb. It is widely used worldwide. The quality is better, flicker free and offers up to 85 percent energy savings compared to incandescent bulb. Opple offers A-brand quality and a wide portfolio of LED lighting solutions.

For more information, visit www.opple.com.ph.



Opple Downlight HS. Photo: © Opple Lighting Philippines Inc



Opple Highbay. Photo: © Opple Lighting Philippines Inc

Windel Woodcraft

With a humble beginning, Windel Woodcraft has been practicing professional designs and samples since 2014. One year later, Windel Woodcraft, a family business located in Silang, Cavite in the Philippines, was officially established in July 2015 with a goal of penetrating the market and to be recognised nation wide.

Windel Woodcraft is engaged in a wide range of wooden carvings and engravings using laser and computer numerical control (CNC) machines. It is proud to have skilled and motivated team members who are focused on bringing professional designs for clients and customised items at a reasonable price.

Windel Woodcraft holds a huge amount of potential to manufacture products such as souvenirs, gift items, furniture, home decor, accessories and many more ensuring consistent quality and maintain market competitiveness.

Currently, the company's aim is towards competing with other countries on designs, workmanship and price. Windel Woodcraft believes in treating esteemed customers with utmost quality services that exceeds expectations and connects to clients' needs.

For more information, contact the company at tel (+63) 46 443 2609.



Photos: © Windel Woodcraft

GRØN Design Solutions



Photo: © GRØN Design Solutions

GRØN Design Solutions is a Philippine distributor of Scandinavian office furniture brands such as Denmark's largest office furniture manufacturer Duba-B8, as well as awarded Finnish silent space manufacturer Framery.

GRØN focuses on improving the local office landscape through innovative yet functional furniture design. The company brings an ergonomic alternative to supplement the traditional office furniture available in the market today. Unbeknownst to many, employee productivity can be greatly improved with the use of products such as height-adjustable tables and ergonomic chairs. They encourage active sitting, good posture and even improve blood circulation – promoting better health and as a result, improving the company's bottom line.

Noise being identified as the single most disturbing factor at an open office environment, the productivity of employees is further improved by optimising the soundscape with Framery's mobile phone and meeting booths and Akuart's acoustic canvases.

GRØN shares the same values with its principals – emphasising sustainability and eco-friendliness as well as quality and design. The wood used in the company's products, for example, are all sustainably harvested, with Duba-B8 being one of the few FSC certified office furniture suppliers in the world.

All-in-all, GRØN is a premier solution provider for companies that give importance to investing in their employees through ergonomics and acoustics. The company increases employee productivity while offering the client a low total cost of ownership.

For more information, visit www.grondesigns.com.



Photo: © GRØN Design Solutions

SEASONSTONE QUARTZ | SEASONSTONE



Seasonstone installed at an executive condominium in Yishun, Singapore.
Photo: © Seasonstone



Seasonstone Naxos White M520 is Seasonstone's quartz rendition of a white marble.
Photo: © Seasonstone

Seasonstone takes pride in building a sustainable future with its engineered quartz surfaces. Accredited as a Singapore Green Building Product, Seasonstone recycles over 95 percent of the water utilised across its manufacturing process and uniquely reduces manufacturing wastage to less than two percent.

Simultaneously inspired by the world's leading design consultants and interior architects while being built from a foundation of grit and fortitude – Seasonstone's engineered quartz surfaces are world-class, long-lasting surfaces created through leading vibro-compaction compression technology. They are perfect for use in a diverse range of interior finishing such as floor/wall tiles and countertops.

Seasonstone Quartz is industry certified to ensure that your surfaces are resilient, hardy and scratch resistant. As such, maintenance of Seasonstone Quartz is simple. Its non-porosity does not allow for harmful mould and mildew to grow on its surface and at the same time, does not allow for stains to seep into its surfaces; spilt coffee and wine will be the least of your worries.

Channeling both elegance and strength from nature, Seasonstone never sits still, constantly developing alongside the latest trends to keep up with the growing demands of today's architecture landscape.

For more information, visit www.seasonstone.com.sg.

Do you have a **product story?**

Southeast Asia Building offers the right platform to create brand awareness for your products and services. If you have a new or existing product for us to publish, drop us an e-mail at seab@tradelinkmedia.com.sg and attract more attention than ever before!

BRANDED WOOD DESIGNED FLOORING AND SUPERB QUALITY ARTIFICIAL TURF

CONTINENTAL ACES SDN BHD

Continental Aces Sdn Bhd (formerly known as Aces Loc Marketing) was founded by a man with a vision to provide top innovative products and solutions.

Inspired by Malaysia's tropical rainforest resources, Continental Aces focuses on supplying branded wood designed flooring and superb quality artificial turf. The headquarters based at Setia Alam (Setia Avenue) showcases a variety of complete timber flooring and artificial turf. The company's clients range from developers and contractors to interior designers and end-consumers.

An attractive flooring can do wonders to a home and the people living in it. It does not only add to the overall real estate value of the home or commercial area, but it also encourages family members to spend more quality time with each other.

Continental Aces offers branded ranges of indoor flooring namely "Maxx-Core" (Luxury Vinyl and Luxury Laminated Floor). The company's luxury flooring can stimulate the looks of dozen of natural texture and a thicker floor board allows deeper embossing. "Aces LOC" (Engineered Timber Floor and Premium Laminated Floor). This brand can be customised to offer a standard range of affordable timber flooring products.

Continental Aces' outdoor flooring is timber decking, namely international recognised brand "Heveatech", which has the features of eco-friendly wood and 15 years anti-termite and products structures warranty. Continental Aces is appointed as exclusive sole agent to market this flooring at HOMEDEC exhibition.

"AcesTURF" and "Promirage" artificial turf is the latest synergy product added into outdoor flooring as the company realised that it is difficult to grow green grass in Malaysia's climate. With the advancement of technology from Australia, AcesTURF is able to offer 8 years warranty against UV degradation and discolouring.

For more information, visit www.conti-aces.com.my.



Showcase at Setia Avenue, Setia Alam.



Heveatech Timber Decking



Combination of Aces Turf with Aces Loc Engineered Timber Floor.

VINYL TILES | ROSE ROSA (M) SDN BHD



Roserosa tiles can be used for interior application.
Photo: © Rose Rosa (M) Sdn Bhd



Product image of the Roserosa wood tile series. Photo: © Rose Rosa (M) Sdn Bhd

Roserosa Vinyl Tiles replicate the beauty of natural materials without any of the drawbacks associated with likes of wood flooring and stone tiles.

Roserosa vinyl tiles are layered with special PVC clear sheet which protects the surface from damage and it has elegant natural patterns and colours, high durability and dimensional stability. Hence, it is easy to install and especially suitable for elegant places.

Roserosa Vinyl Tiles comprise of Wood Tile Series and Square Tile Series. The dimension of Wood Tile Series is 200mm Width x 1000mm Length x 3mm Thick and Square Tile Series is 500mm Width x 500mm Length x 3mm Thick. Roserosa Vinyl Tiles are made in Korea and can be installed using the glue-down installation method.

For more information, visit www.roserosa.my.

INTEGRATED RAINWATER SOLUTIONS

SENG YOON SENG
HOLDINGS SDN BHD

Seng Yoon Seng Holdings Sdn Bhd (SYS) is one of the leading manufacturers of international quality rainwater management products. Formed in 1967, the company has gained a reputation in Malaysia' building industry as a leading provider of the finest custom-made and decorative rainwater management products. Its core products include RainTech and RainNe Gutter System, Air Louvers, Shaders, BuNos Fascia Cappings, Soffits and Cappings and Qube Panel Ceiling System.

Louvres

Most of the buildings will require some natural ventilation and airflow. SYS's ventilation louvres are specialised in optimising air circulation in the building with many models to choose from. Besides many years of good track records of providing weather louvres solutions, SYS louvres also come with third party lab test reports which tested compliance to BS 1300300:2001.



LV3575 Ventilation Louvres from Seng Yoon Seng were used in a distribution centre near the Senai Airport in Johor, Malaysia.
Photos: © Seng Yoon Seng

Material and Finishes selection

There are many materials to choose from depends on the project budget and requirement. The louvres can be fabricated with Galvanised Steel, Aluminium Zinc or Aluminium. For the finishes, it can be pre-painted paint, spray paint or powder coating such as polyester or PVDF.

Design

There are many models to choose from depending on the building design requirement. The louvres can be designed with frame type or with hidden brackets to suit the building design requirement while not compromising on the performance. Standard Accessories such as Guards like insert netting, bird screen and Louvres door can be part of the design requirement.

Shader

Shader is the solution for the sunray intensity control and privacy of the building. There are many profiles to choose of such as Box, "L" or "Z" Shapes.

Louvres Wall Cladding

This type of louvres is air and water and water-tight. It is used as a wall cladding to clad the wall.

For more information, visit <http://sengyoonseng.com>.

VCT FLOOR TILE | YOUSUNG C&F CO., LTD

Yousung C&F Co., LTD is one of the largest VCT floor tile and FINEO VCT manufacturers in the Asian region. FINEO VCT combines creative esthetics with unmatched cost-effective performance to provide perfect solution for commercial resilient floor covering. Vinyl Composition Tile, or VCT, is one of the most commonly used general floor covering solution worldwide. VCT is the most cost-effective floor covering material used primarily in commercial and institutional applications such as school, hospital, government buildings, public service offices and shops & supermarkets. VCT is for high-traffic areas because of its economical cost, durability, and ease of maintenance.

It has homogeneous structure with high resilience to abrasion and impact damage and can be repeatedly refinished with chemical strippers and mechanical buffing equipment. So, VCT's commercial warranty lasts more than 10 years period. In North and South America region, VCT is most common floor covering material with traditional carpet and hardwood.

Recently, LVT (Laminated Vinyl Tile or Luxury Vinyl Tile) has become popular in housing flooring due to its real wood-like designs. However, an architect and an interior designer must distinguish its functional differences between VCT and LVT for commercial and housing floor covering.

LVT is heterogeneous structure with 0.08mm~0.5mm thickness transparent protective film and if this protective film layer wears out, LVT must be replaced and its commercial usage period lasts six months to maximum three years according to LVT manufactures' guarantee policy. So, it is ideal to install the lobby, office, and isle areas with VCT or stone and rooms with LVT or Hardwood. Each material has functional differences and right materials must be considered for right places.

Yousung C&F Co., LTD is based in Seoul, Korea. For more information, visit www.yousungcnf.com.



Projects showing VCT floor tile installed by Yousung C&F Co., LTD.

FLOOR TILES | FLOOR PLACE SDN BHD



Amazon Carpet Tiles. Photos: © Amazon Flooring International

Floor Place Sdn Bhd offers a stunning range of functionally convenient carpet tiles, robust quality luxury vinyl tiles and exquisitely crafted broadloom carpets; all sourced from some of the world's top flooring system manufacturers.

All of the company's products are backed by exceptional performance features and international environmental certifications; along with attentive customer care and comprehensive after sales solutions.

Floor Place offers a wide selection of designs, colours and quality that can complement any imagination and meet every requirement at competitive prices. This has made the Amazon brand of luxury floor coverings a sought-after choice for virtually any application; including office suites and educational institutions to hotels and exclusive residences.

Floor Place has dealers and distributors across Malaysia, Singapore and soon around the region. For more information, tel (+60) 3 2282 9006.

ARCHITECTURAL HARDWARE | KURIKI MANUFACTURE CO LTD

Kuriki Manufacture Co., Ltd., a leading manufacturer of architectural hardware and bathroom accessories such as toilet bathroom sliding door in Japan.

NS Automatic Hook Lock is a Hook Lock, which has automatic hook locking mechanism using magnet repulsion when closing a Sliding door.

This product has acquired the patent of this mechanism, and not only Kuriki's hook lock has this mechanism in the world. It is available up to DT40 and also has Passage Lock, Indicator Lock, etc.

It is installed in the high place of Sliding door at Nursing home or Kindergarten, and is esteemed for the needs, which is "The closed state of the door. = The locked state of the hook." The strong points of Kuriki's hook lock are that it has good design, excellent durability, affordable price and it has received favourable comments from people in Japan, China and Singapore.

For more information, visit www.kuriki-ss.co.jp.



View of NS Automatic Hook Lock from inside the room. Photo: © Kuriki Manufacture Co Ltd



View of NS Automatic Hook Lock from the outside of the room. Photo: © Kuriki Manufacture Co Ltd

SURFACE MATERIALS

KOMPACPLUS PTE LTD



10. 30 New York Teak, KompacTop as kitchen top.
Photo: © KompacPlus Pte Ltd



35.60 Linate Slate, KompacWall in living room.
Photo: © KompacPlus Pte Ltd

Set up in 2009, KompacPlus Pte Ltd provides interior designers and homeowners innovative and stylish surfacing solution materials. With the aim to inspire design trends, KompacPlus' expertise lies in the supply and installation of a full suite of surfacing solutions that's fully customisable, high-density, non-porous composite panels from Italy.

The company's use of state-of-the-art technology process in manufacturing allows it to have the extreme physical properties that is suitable for applications such as kitchen countertops, backsplash, bay windows, feature walls and even furniture. As the market begins to fully accept the product, KompacPlus has revolutionised the surfacing solution industry by offering premium designs that mimic woodgrains, concrete screed, slate and uniquely crafted rusty panels, allowing the market to explore endless design possibilities.

With a presence both in Singapore and Malaysia, KompacPlus believes in exceeding customers' expectations through continuous improvement, research and development, and rewarding customer experiences.

For more information, visit www.kompacplus.com.

NON-REPELLENT TERMITICIDE

BAYER ENVIRONMENTAL SCIENCE

In Southeast Asia, there is nothing more structurally damaging than the subterranean termites. Only termites can single-handedly ruin and destroy a house's very foundation and character in just a few short years without any immediate signs of damage. Termites are among the world's most destructive pests, causing more than a billion dollars in damage each year. And in tropical areas, 90 percent of buildings can be infested within three years of being built!

As an innovation company for more than 150 years, Bayer Environmental Science launched Agenda® 10 SC in May 2001 in Singapore. Agenda® 10 SC is claimed to be the only non-repellent termiticide that has a 15-year excellent track record in structural protection in Singapore. It is also claimed to be the first termiticide to obtain Singapore Environment Council's Green Label certification as an "Environmentally Preferred Termiticide". Agenda® 10 SC remains effective in the soil for a minimum of five years when applied at recommended dose rates with minimal environmental impact.

Bayer Environmental Science offers an extensive portfolio of pest control products and solutions which are designed for professional pest management servicing a mosaic of market segment including pest management, rural hygiene and vector control. Our strong brands include Temprid®, Premise®, Maxforce® and Resigen® to combat the major urban pests for a sustainable healthy environment and peace of mind.

For more information, visit www.environmentalscience.bayer.sg.



Bayer Pest Solutions. Photo: © Bayer Co. (Malaysia) Sdn Bhd

FLOOR COATINGS

POLYMER INTERNATIONAL HOLDING PTE LTD

Founded in 1989, Polymer International Holding Pte Ltd has since established a strong presence as a single-source provider, manufacturer and installer of Polygard® and Ecogard® product systems consisting of epoxy, polyurethane hybrid and UV sensitive protective floor coatings in ASEAN.

Polymer International researches, develops and manufactures its own Polygard® and Ecogard® coatings, offers an inexhaustible list of customised, high-performance and long-lasting product coating systems in catering to the strict and specific flooring requirements from a myriad of industries and facility setups, many of which, Fortune 500 corporations.

Polymer International is sensitive to the needs of its customers in their responsibilities with environmental issues, hence developed its range of eco-friendly product coating systems under the Ecogard® brand name. Ecogard® is endorsed by the Singapore Environmental Council through the Singapore Green Labelling Scheme. Ecogard® is certified as environmentally friendly with low makeup in volatile organic compound and is labelled as the 'Environmentally Preferred Coating' by Green Label Singapore.

Polymer International is staffed with highly capable sales engineers and project managers who will be available to provide immediate assistance towards all your flooring issues and making sure that your project is delivered on time.

The FloorCare™ maintenance programme is offered as the company's continuous support to its customers to stay ahead of their competitors in the fast-paced business settings. With optimum 24 x 7 x 365 operationally ready maintenance and support, Polymer International ensures that the performance of your floor coating system is maintained at pristine standards.

For more information, visit www.polymer-international.com.



Ecogard® VDS 2681 was specified at The Fullerton Hotel, Singapore - Basement Carpark. Photo: © Polymer International



Polygard® VDS 2883 was specified for the Grand Prix F1 Singapore 2016 - Pit Stop Installation. Photo: © Polymer International

DECORATIVE PLASTERS AND PRE-TREATMENT PRODUCTS

UNIVERSAL PLASTER SDN BHD

SPS has been well known for its innovation of its own decorative plasters and pre-treatment products since 1975 with its own R&D team based in their very own manufacturing plant in Hertogenbosch, The Netherlands.

To date, it has been widely distributed in the European market for both home and industrial segments. In Southeast Asia, the products are being distributed and marketed by Universal Plaster Sdn. Bhd., which is based in Johor, Malaysia.

SPS offers a wide variety of products with different textures that are suitable for both interior and exterior. Most decorative plasters can be supplied in more than 70 colours pre-mixed, according to consumers colour choice.

SPS continues to innovate by introducing new products and product properties. For example, SPS has developed a special "lightweight" grain plaster, which is 30 percent lighter in weight, offering easier application process, with the same level of quality. Currently, there are more than 25 variants of wall plasters available in the market.

Generally, SPS plasters are using plastic resin and polymer base which promotes flexibility, so flexible that it is totally 'knock-proof' - a breakthrough in modern wall decorative solutions. Silicone mixture is added to those premium range like Grain plasters, designed for high rise buildings, that really puts SPS plasters above the chart in durability with lower wear and tear conditions.

Priced slightly above wall paints, it is more than reasonable price on getting a better option on wall solution for both internal & external applications.

For more information, visit www.universalplaster.com.



Decorative Wall Plasters & Pre-Treatment products from SPS. Photo: © Universal Plaster Sdn Bhd

SMART HOME SYSTEM | SENZO

Automate your life and gain integrated access to manage your smart home system the way you want from the convenience of your smartphone. Things you might do in your daily routine – rolling the curtains, setting air-conditioner timer, turning your lights on and off. Senzo smart home system makes all these easier, more convenient and more futuristic in a way that is accessible even if you are halfway across the globe.

Senzo Touch Smart Switch's technology is encased in an unassuming tempered glass, creating a flat surface and smooth sensation for users. As an added perk, this nifty little gizmo illuminates a pale blue light in which the intensity of the light changes and adapts accordingly to the light in the room. The changeable Senzo Skin provides the chameleon option, allowing the switch to camouflage itself and match your wallpaper, now that's smart!

Navigating your way to your bed at night in a dark room often proves awkward and troublesome. Senzo Smart Motion Sensor detects and reacts based on your presence in the room. The sensor is compatible with Senzo Smart Switch to establish an automation environment. No more reaching home to a dark driveway worrying you might stumble on your cat's tail.

No more complaint calls or rushing back home from a meeting to disarm an accidentally triggered alarm system. Monitor your home 24/7 with Senzo Smart Alarm Controller by allowing you to input your command through smart devices and receives the latest status of your alarm system through push notification.

Senzo Smart Home System provides connected home experiences by orchestrating the lighting, appliances and applications of all types, giving you the smart home you didn't know you want. You will be also notified what's going on inside your house 24/7 with Senzo push notification feature.

The Senzo Smart Home System is distributed by Newict Marketing (M) Sdn Bhd in Malaysia. For more information, visit www.senzo.com.my.



Photos: © Senzo

CERAMIC TILES | GUOCERA

With nearly 50 years of manufacturing experience, Guocera is the tile brand of choice in over 50 countries. From the Americas and Europe to the Middle East and Asia-Pacific, the company is one of Malaysia's largest manufacturers and exporters of tiles. Whether it is a residential, commercial space or public infrastructure, you can find Guocera inspirations in beautiful homes, iconic office buildings, airports, schools and complexes the world over. Guocera helps create inspirational environments in which people can life, work and play. Modern manufacturing facilities in the company's plants employ the latest production technology and design to meet the ever growing global demand and expectations.

All the company's products meet international quality standards ensuring world class quality for our domestic and international markets. Consumers can be confident that Guocera's products are aesthetically attractive and durable.

Guocera also boasts a dedicated R&D centre (Ceramic Research Company - CRC), which is ISO-IEC 17025:2005 accredited, and the only one of its kind in Southeast Asia. At CRC, comprehensive analysis and testing of raw materials are conducted according to stringent measures, resulting in unmistakable quality and reliability that are the hallmarks of Guocera tiles.

For more information, visit www.guocera.com.



Guocera's showroom in Petaling Jaya, Malaysia.
Photo: © Guocera Sdn Bhd



Caskwood. Photo: © Guocera Sdn Bhd



Lipica Rock. Photo: © Guocera Sdn Bhd



LocTech Cotto. Photo: © Guocera Sdn Bhd

Do you have a **product story?**

Southeast Asia Building offers the right platform to create brand awareness for your products and services. If you have a new or existing product for us to publish, drop us an e-mail at seab@tradelinkmedia.com.sg and attract more attention than ever before!

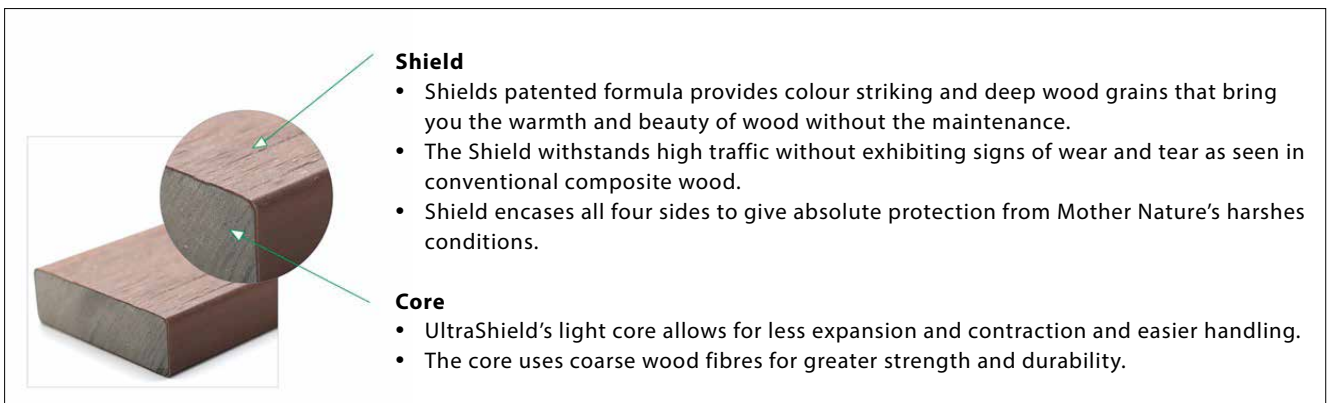
NEWTECHWOOD ULTRASHIELD® TECHNOLOGY | WCS GLOBAL SDN BHD

NewTechWood® pioneered a project to design and formulate the most durable, most attractive, most fade and scratch resistant, most beautiful and most reliable composite deck board in the industry called NewTechWood UltraShield®.

UltraShield, is a true game changer in the composite decking industry. Conventional wood plastic composites are a thing of the past. UltraShield is a capped wood plastic composite, which means it has an advanced premium shield encasing ALL four sides around its inner core. The shield and core are extruded together under a very high temperature mold simultaneously, so there are no adhesives or chemicals that are harmful to the environment.

The core is made from carefully selected recycled material and highly dense recycled hardwood and softwood fibres that allow for greater strength and durability, and best of all it is 100 percent recyclable. The shield uses an advanced engineering polymer to create a formulation, which gives the boards Ultra Protection against: Stains; Mildew, Mould, Rotting, Splitting or Cracking; Colour Fading; Painting or Oiling.

UltraShield Decking is backed by the most comprehensive warranty in the industry: 25 years limited residential warranty and 10 years limited commercial warranty. **For more information, visit [www.http://newtechwood.com/intl/home.html](http://newtechwood.com/intl/home.html).**



NewTechWood® UltraShield™ Decking. Photo: © NewTechWood®

HIGH GLOSS LAMINATE
CABINETRY DOOR PANEL

ARO HARDWARE TRADING (M)
SDN BHD

Panelyx is a state-of-the-art technology in decorative panels that is compact, durable and superior high quality finish that comes in many vibrant colours and variations.

Panelyx's sleek double gloss panel is claimed to be the first in the market with soft-edge finishing, giving you a round-edge door that is both safe and beautiful. Its double sided panels make your panel look good both on the surface and inside with unique colour edging.

Panelyx is trendy, durable, eco-friendly, scratch resistance, water retardant, bend proof, fingerprint proof and beautiful with its own shine finish. It is useful in applications such as office partitioning, furniture, kitchen, wardrobe, bar or restaurant panelling, reception area, washroom, retail shop, display and fittings, interior signage and etc.

Technical specifications

- Panel size: Min 100mm (H) x 100mm (W) / Max 2400mm (H) x 1200mm (W)
- Surface: High Shine Panel
- Thickness: 18mm
- Substrate: HDO & MDO



Panelyx high gloss laminate cabinetry door panel. Photo: © ARO Apple Sdn. Bhd.

Panelyx was launched at the ARCHIDEX 2016 show in Kuala Lumpur in July 2016. It is available at Aro Apple and its list of distributors and dealers. For more information, visit www.aro.com.my.

WINDOW FILM

IRISPRO INTERNATIONAL SDN BHD

IrisPro UV400 is 100 percent UV protected window film for automotive and building industry. It is the only tinted film that counters maximum UV in Malaysia, Singapore and Brunei.

IrisPro UV400 can help to prevent skin cancer and retina damage cataract due to over exposure to the sun. It can protect interior furniture and building material from faded / UV damage and can save electricity bill by cutting down the heat wave that goes through from the window glass.

Technical specifications

- Protects UV400/UVA1 rays
- Up to 86 percent heat reduction (Total solar heat rejected)
- 70 percent blue light cut protection
- IrisPro UV400 optical film series come with up to 10 years warranty and patented nano technology products of USA

IrisPro UV400 was launched at ARCHIDEX 2016 in July 2016. For further information, visit www.irisprouv.com.



Sdn Bhd

Irispro International carrying out the installation of IrisPro UV400 for a project in Malaysia. Photo: © Irispro International

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GLASS MOSAICS | EZARRI MOSAICS

At the Cersaie Fair 2016 in Bologna, Italy, Ezarri Mosaics launched a new collection called ZEN.

The ZEN collection is based on a commitment to the natural, to an uncomplicated sophistication, to a return to the essentials where harmony and a simple beauty take precedence.

Designed with serenity, the result is a collection of 18 products inspired by stone, marble and wood, all with a naturally matte texture and a range of calm colours where every inch evokes relaxation. Because sometimes it is the simple, the essential, that is the best expression of complex elegance.

The collection is based on a commitment to the natural, to an uncomplicated sophistication, to a return to the essentials where harmony and a simple beauty take precedence.

Designed with serenity, the result is a collection of eighteen products inspired by stone, marble and wood, all with a naturally matte texture and a range of calm colours where every inch evokes relaxation. Because sometimes it is the simple, the essential, that is the best expression of complex elegance.

Ezarri is fully committed to environmental care and sustainable development: 100 percent of the glass that we use as raw material is recycled glass. In addition, we are committed to offering an almost immediate availability of all our products, strictly complying with delivery deadlines and processing orders with a guarantee of success of nearly 100 percent.

For more information, visit www.ezarri.com.

ZEN Collection



Ash. Photo: © Ezarri



Black Marble. Photo: © Ezarri



Bluestone. Photo: © Ezarri



Carrara. Photo: © Ezarri



Creamstone. Photo: © Ezarri



Dolerite. Photo: © Ezarri



Fior di Bosco. Photo: © Ezarri



Makauba. Photo: © Ezarri



Oak. Photo: © Ezarri



Pale Cherry. Photo: © Ezarri



Palisandro. Photo: © Ezarri



Phyllite. Photo: © Ezarri



Riverstone. Photo: © Ezarri



Rustic. Photo: © Ezarri



Sandstone. Photo: © Ezarri



Sarsen. Photo: © Ezarri



Tigrato. Photo: © Ezarri



Travertino. Photo: © Ezarri

ARTIFICIAL STONE VENEERS | SUZUKACOAT (M) SDN BHD

Kastone Air is one of the lightest artificial stone veneers today. Its thin nature, flexibility and durability provides users a high-tech and green alternative to conventional stone veneer.

Kastone Air's flexibility allows application onto curved surfaces without cracking. Thus, uniquely rounded buildings can now also benefit from the beauty of artificial stone veneer.

The panels' strong adhesion to various kinds of substrates – and resistance to UV, chemical and weather conditions – renders them suitable for any kind of structure, from villas to skyscrapers.

The lightweight and thin nature of Kastone Air allows for a simpler installation process, rendering the product more cost-effective and convenient for users and applicators. Kastone Air also cuts down on storage space and transportation costs. Each panel weighs 80g-90g per piece (6.4 cm x 22 cm) and the total weight for a square metre coverage is around 5.5kgs (for an estimated 65 panel pieces).

Not only is Kastone Air environmentally friendly, but its variety of designs also meets the aesthetic needs of any atmosphere. Suzukacoat (M) Sdn Bhd first launched Kastone Air at the annual ARCHIDEX 2016 exhibition in Kuala Lumpur in July 2016, also winning the *New Product Award* for its innovative achievements.

For more information, visit www.suzuka.com.my.



Kastone Air combines the original brick texture with innovative techniques. Photo: © Suzukacoat (M) Sdn Bhd

TRAME COMPOSITE PROJECT | LEA CERAMICHE

Trame is a composite project because it brings colours, materials, and shapes together in perfect harmony. Three basic tactile effects reinterpret 3 different textures, both visually and through the sense of touch.

Three different surfaces (Plaster, Matter, Canvas) created from intense study during the various products' manufacturing phases and meticulous research led by the desire to offer an immediate and integrated project so that the three textures, available in a neutral and harmonious colour palette, may each assume their own contextual use within a single space.

Trame is, therefore, a multi-texture and multi-colour project. But that's not all. Through the use and combination of materials and colours, the implementation of special forms was intentionally introduced so as to further highlight the infinite combinations and installation solutions which the project allows.

Plaster recreates a soft and spatula textured surface; *Matter* is more rough and opaque, it is the representation of grainy rough concrete; finally *Canvas* is characterised by a linen texture with a delicate graphic relief that enhances its three-dimensionality. Three materials declined in six different colours offering 18 surfaces and the endless possibilities of mixing together their textures, formats, or both. An opportunity for designers and end consumers to use three materials in one colour and size for a continuous and harmonious surface or to create multiple detailed combinations for suggestive and impressive floor solutions.

The approach to the decorative project, led by Diego Grandi Studio, recalls Lea Ceramiche's hallmark style, expressed through the use and combination of forms, shapes, and geometries. This imposing and varied decorative collection is made up of five new special formats, allowing for the creation of numerous pairings and graphic contrasts, each coherent with the others. The variation of the tactile surfaces is in perfect balance with the soft nuances of colour and the pleasing nature of the structures, creating a dynamic play of shapes and geometries.

Trame is a unique and flexible project, open to broaden its range of visual and tactile sensations.

For more information, visit www.ceramichelea.com.



Trame Matter. Photo: © Lea Ceramiche



Trame Plaster. Photo: © Lea Ceramiche



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STONEWARE | IMOLA

The new X-Rock collection from Imola – Tiles Full of Life is a highly versatile, rock effect stoneware with an amazing surface texture that is ideal for decorating residential or retail, indoor and outdoor environments.

“X emphasises the innovative character of this new collection and Rock contextualizes its rooted-in-stone origins”. The natural, tactile finish of this porcelain stoneware has a unique and powerful character that makes it ideal for decorating a wide range of residential and retail environments with a distinctive, original style.

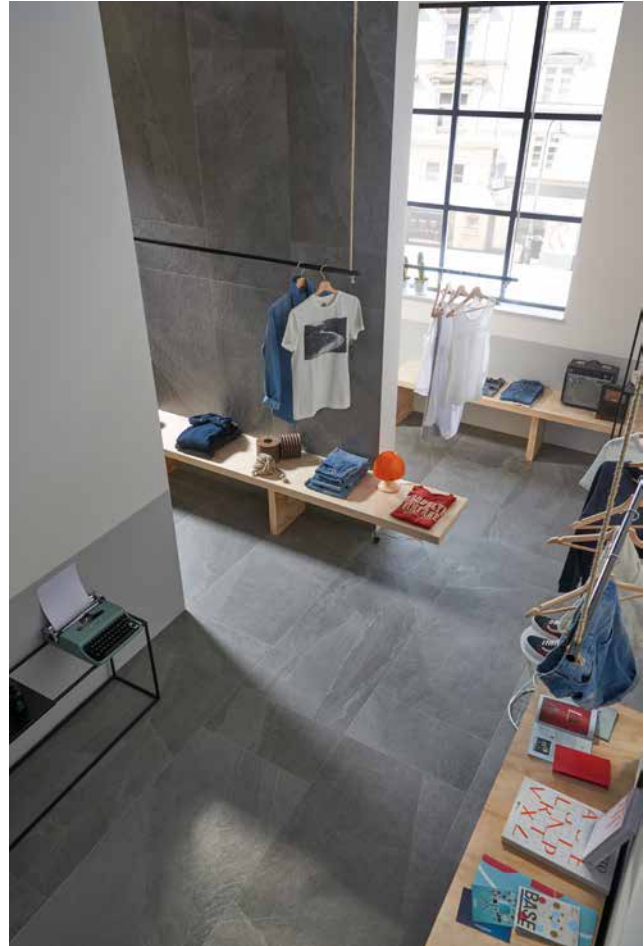
What makes X-Rock is its ability to surprise. The surfaces, in fact, may look rough and sharp, but its surface texture offers a remarkably soft sensation. This is why X-Rock can be used to decorate any domestic comfort zone, from the bedroom to the bathroom.

The collection, available in 60x120, 60x60 and 30x60 cm formats, has a soft, modern range of faded white, beige, grey and black shades, with a combination of quartz pigment and mineral inserts and a startlingly natural, split stone effect.

The collection’s surface effects are absolutely unconventional and ideal for Rock lovers, because nothing is quite what it seems. The dynamic power of stone offers the soft tactile sensation of velvet and seemingly monochrome walls and floors actually boast surfaces that vibrate with hidden colour.

X-Rock guarantees this same strength and power outdoors, too, thanks to the hi-tech composition and superior performance of porcelain stoneware. Concentrated in a thickness of 20 mm, these qualities free architects’ imagination, allowing them to create pavements, walkways, patios, stepping stones and outdoor extensions with a distinctively natural, hard rock style.

For more information, visit www.imolaceramica.com.



The new X-Rock collection from Imola. Photo: © Cooperativa Ceramica D’Imola S.c.

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