

APR - JUN 2022

# SECURITY SOLUTIONS TODAY

## AVIATION SECURITY

How The Ukraine-Russia Crisis Could Impair Global Aviation

## IN THIS ISSUE

- 3 **In The News**  
Updates From Asia And Beyond
- 12 **Security Feature**  
+ How The Ukraine-Russia Crisis Could Impair Global Aviation
- 16 **Product Showcase**
- 20 **Calendar Of Events**



### In The News

**07** | Sophos Acquires SOC.OS For Better Managed Threat Response, Detection and Response Capabilities

### In The News

**11** | Seagate and Phison Broaden Partnership to Bolster Portfolio of High-Performance, HighDensity Enterprise-Class Solid State Drives Optimized to Lower Data Center TCO



### Product Showcase

Phone as a convenient access card | **18**



## CONTACT

**ASSOCIATE PUBLISHER** Eric Ooi (eric.ooi@tradelinkmedia.com.sg)

**EDITOR** Angeline Tan (sst@tradelinkmedia.com.sg)

**MARKETING MANAGER** Felix Ooi (felix.ooi@tradelinkmedia.com.sg)

**HEAD OF GRAPHIC DEPT / ADVERTISEMENT CO-ORDINATOR**  
Fawzeeah Yamin (fawzeeah@tradelinkmedia.com.sg)

**CIRCULATION** Yvonne Ooi (yvonne.ooi@tradelinkmedia.com.sg)



Vectors Credit: Freepik.com  
Designed by Fawzeeah Yamin

### SECURITY SOLUTIONS TODAY

is published quarterly by Trade Link Media Pte Ltd (Co. Reg. No.: 199204277K)  
101 Lorong 23, Geylang, #06-04, Prosper House, Singapore 388399  
Tel: +65 6842 2580  
ISSN 2345-7112 (E-periodical)

**Disclaimer:** The editor reserves the right to omit, amend or alter any press release submitted for publication. The publisher and the editor are unable to accept any liability for errors or omissions that may occur, although every effort had been taken to ensure that the contents are correct at the time of going to press.

The editorial contents contributed by consultant editor, editor, interviewee and other contributors for this publication, do not, in any way, represent the views of or endorsed by the Publisher or the Management of Trade Link Media Pte Ltd. Thus, the Publisher or Management of Trade Link Media will not be accountable for any legal implications to any party or organisation.

Views and opinions expressed or implied in this magazine are contributors' and do not necessarily reflect those of Security Solutions Today and its staff. No portion of this publication may be reproduced in whole or in part without the written permission of the publisher.

For advertising interests, please email us at [info@tradelinkmedia.com.sg](mailto:info@tradelinkmedia.com.sg).

## RIGHTCROWD LAUNCHES RIGHTCROWD ACCESS ANALYTICS AT ISC WEST 2022

RightCrowd, a major provider of integrated safety, security, and compliance solutions, displayed its extended product offerings at ISC West 2022 on 14th March 2022. This company's workplace access platform enables secure workplaces by offering an integrated set of intelligent solutions to identify hitherto concealed access security as well as to mechanize their controls and to ensure that authorized presence is visible. The RightCrowd Access Analytics solution permits users to map, measure and monitor access rights across a workforce. Moreover, it provides contemporary reporting on unwelcome access to facilities, buildings, and areas. Such reports enable organizations to better keep track of privileged physical access, policy compliance, cardholders, access levels, and more. The RightCrowd Workforce Access mechanizes, optimizes, enforces and provides physical access for employees, contractors, and visitors.

Furthermore, the RightCrowd Presence Control implements safety, security, and compliance policies through an active digital identity in the form of security wearables. By doing so, organizations can manage authorized workers via continuous visual validation and presence monitoring.



Right Crowd Access Analytics is another leading solution in the field of physical security that adjusts cyber security technology and capability to the needs of physical security teams. This technology can immediately identify people with inappropriate access to security systems, buildings, facilities, and critical areas. Such a development is especially pertinent when millions of people are working from home and when 90% of access control systems contain outdated data. This technology however measures and monitors risks everyday to maintain a proactive visibility and to regain total knowledge and control of their security environment. Also, the RightCrowd Presence Control solution

puts a multi-factor authentication system in place for physical security. This newly introduced system would then ensure that organizations can better handle security threats like tailgating, credential theft, and contact tracing. By Bluetooth® Low Energy technology, along with continuous validation and visualization,

RightCrowd's Presence Control security wearable permits instant recognition to determine if people are permitted to be in the area that they are in. The wearable badge enables immediate visibility and ensures that employees can raise the alarm during emergencies or security incidents that involve staff from their respective organizations.

RightCrowd Presence Control aligns with an organization's existing physical access control system to maintain one repository of users and access rights. Created to provide and reinforce control, these aforementioned solutions offer expanded compliance functionality without the need to replace existing security infrastructure. Visitors to the RightCrowd booth can learn about the full suite of intelligent workplace access products featured in the booth. ■



## VINTRA ANNOUNCES AVAILABILITY OF NEW INTEGRATION TO DELIVER POWERFUL VIDEO ANALYTICS WITHIN GENETEC SECURITY CENTER

Vintra, Inc., a major supplier of AI-driven video analytics solutions, unveiled a video analytics integration that combines Vintra Fortify and Genetec™ Security Center on March 23, 2022. With the advanced forensic and real-time analytics solution brought about by this integration, users can swiftly review and evaluate recorded video content, easily index live video streams and ensure precise event alerting and instant search via one unified security platform.

Vintra Fortify is a purpose-built video intelligence solution that spontaneously indexes video streams to offer instant alerts in real time, via precise critical-event alerts and rapid video search. This solution operates as an integrated workflow within the Genetec Security Center and offers Vintra's enterprise-grade video analytics. Consequently, this solution enables a quicker response to unfolding events and decreases the time needed for forensic investigations. Users can swiftly search hours of recorded video from both fixed and mobile Genetec-connected cameras.

Furthermore, real-time analytics enables objects and events on live streams of video, such as people, vehicles, long guns, and bags to be easily detected. The Genetec Security Center receives alerts from powerful rules engine monitors cameras that operate 24/7.

Novel or considerably enhanced features include:

- Re-ID, which localizes and identifies a specific entity in videos (person, face or vehicle) from several cameras that might not share the same field of view, has been reinforced with signature-generation technology. As a result, Re-ID can quickly identify a person recorded in a lobby camera across hundreds of fixed/mobile cameras at the facility without the need of facial biometric input – all while balancing security and privacy.
- Vintra IQ, which allows you to find distinct patterns, match events to those patterns and find anomalies where known patterns are violated. For example, Users can use Vintra IQ to choose a person of interest (POI), to review either live or recorded video and quickly recognize all the other individuals with whom that POI has met. Vintra IQ will rank these interactions, allowing the user to identify the most frequent relationships.
- Open API enables the easy porting of Vintra data into



Image: www.freepik.com

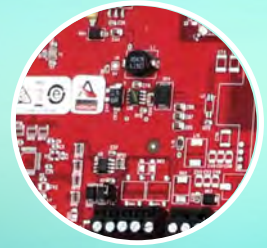
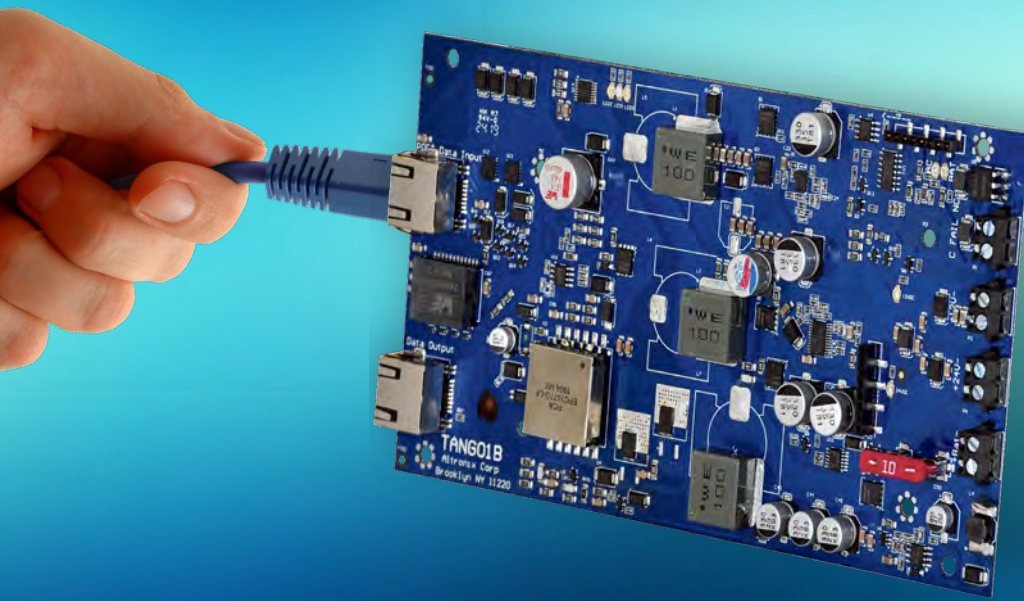
other tools across your security infrastructure. You can make almost everything you detect, classify and track available via the API so you can augment your BI platform (such as Tableau) with the most sophisticated video analytics currently available.

- Crowd Size Alerts enable security and safety teams to identify situations that are abnormal and thus have a potential of creating issues, such as too many people in a small area.
- Loitering Alerts notify a security team when a person or vehicle is detected in a particular area for more than a given amount of time. Hence users can look out for possible break-ins, human or vehicle traffic queues and other key use cases.
- Mute Alerts enable users to inform the system about false positive alerts so that the same object does not trigger additional subsequent alerts. With Vintra's unique ML technology, users can benefit from a continual reduction in false positives and better overall system performance as time goes on.
- One-click VMS Importing enables users to render any already-recorded video searchable with a single click in a cost-friendly manner.

Note that the Vintra suite has two different product offerings: Vintra Prevent, the company's enterprise-grade solution for real-time video, automatically indexes video streams, provides precise event alerting and makes instant search feasible. Vintra Investigate is meant for investigation teams that undertake mission-critical, laborious post-event investigations on already-recorded, 3rd-party video. ■

# PLUG & PLAY ACCESS POWER

4PPoE Driven Power – by ALTRONIX



Power for 12 & 24VDC  
controllers, devices,  
and peripherals



INTRODUCING  
**TANGO**

**Tango power supply/chargers provide faster, safer deployments, eliminating high-voltage by utilizing 802.3bt PoE.**

- Converts PoE to 12VDC and 24VDC simultaneously
- Power your access system from a single cable, reducing costs and increasing profits
- Built-in LiFePO4 battery charger

 | Altronix®

**YOUR LEADER IN POWER SOLUTIONS**

## SIEMENS INAUGURATES CRITICAL INFRASTRUCTURE DEFENSE CENTER IN CANADA

Siemens officially launched its pioneer Critical Infrastructure Defense Center (CIDC) in Fredericton, New Brunswick, Canada, dedicated to Critical Infrastructure Protection (CIP) focused on Operations Technology (OT). The center would offer services ranging from advisory to managed and research services, to ensure the betterment of a decarbonizing digital world and to tackle cyber attacks. Cyber experts in Fredericton will buttress cyber and physical security projects of Canada as well as in the US, Europe and the Middle East.

Introduced in 1986, Siemens AG's cybersecurity program encapsulated a holistic approach to addressing cyber threats in an increasingly digital world. Presently, Siemens operates five global security hubs and employs 1,300 cybersecurity experts who make sure critical infrastructures remain robust against cyberattacks. ■



Opening ceremony in Canada.

## CERTIFIED INTEGRATORS OF THE YEAR FOR 2021 AWARDED BY SIELOX

Sielox LLC President and CEO Karen Evans announced their yearly Certified Sielox Integrators Award recipients for the year 2021 today. MCM Integrated Systems of Van Nuys, California was awarded National Certified Sielox Integrator of the Year, after being named for the 23rd consecutive year and 27th time in total.

Moreover, Sielox Awarded the Gold Certified Sielox Integrator awards to Layer 8 Solution Hialeah, Florida as well as Safety Systems of Colchester, Vermont. Safety Systems of Vermont and Layer 8 Solutions were awarded because of their robust ties with their customers as well as their potential in implementing the portfolio of Sielox solutions. Furthermore, the Silver Certified Sielox Integrators awards were given to:

**Advanced Security Systems:** Eureka, California  
**Egan Company:** Brooklyn Park, Minnesota  
**Empire Computing & Consulting:** Daytona Beach, Florida  
**Empower Security Contractors:** Hayward, California  
**Integrated Systems & Services:** Eatontown, New Jersey  
**JCT Solutions:** Springfield, New Jersey  
**Security Associates of Fort Lauderdale:** Fort Lauderdale, Florida  
**3D Security:** Sioux Falls, South Dakota

For more details on Sielox LLC solutions, visit [www.sielox.com](http://www.sielox.com). ■



## SOPHOS ACQUIRES SOC.OS FOR BETTER MANAGED THREAT RESPONSE, DETECTION AND RESPONSE CAPABILITIES

Sophos, an international forerunner of cybersecurity for the next generation, declared its acquisition of SOC.OS, an innovator of a cloud-based security alert investigation and triage automation solution. The solution enables security teams to respond swiftly to urgent cases by gathering high volumes of security alerts from various products and platforms. Introduced in 2020, SOC.OS is a spin-out of BAE Systems Digital Intelligence and privately held and based in Milton Keynes, U.K.

With SOC.OS, Sophos plans to enhance its Managed Threat Response (MTR) and Extended Detection and Response (XDR) solutions for each type of organisation. Moreover, SOC.OS will assist Sophos' expansion of its Adaptive Cybersecurity Ecosystem that supports all of Sophos' security solutions. For example, SOC.OS would offer alerts from third-party endpoint, server, firewall, Identity and Access Management (IAM), cloud workload, email, and mobile security products. With Sophos MTR as one of the fastest-developing new offerings in the company's history, Sophos now is one of the largest Managed Detection and Response (MDR) operations in the world that provides quality security outcomes through an MTR service. Hence Sophos can better deal with increasing incidences of cyberattacks, such as ransomware to provide cost effective and highly accessible products and services globally.



Image: www.freepik.com

### About SOC.OS

SOC.OS develops a lightweight security alert investigation and triage automation solution that centralizes, enriches and correlates high volumes of alerts from across an organization's estate into manageable, prioritized clusters. This allows security operations teams to quickly spot the signal in the noise and more efficiently respond to the most urgent alerts and cases. SOC.OS launched in 2020 as a spinout of BAE Systems Digital Intelligence. The company is based in Milton Keynes, U.K., and is privately held.

### About Sophos

Sophos is a worldwide leader in next-generation cybersecurity, protecting more than 500,000 organisations and millions of consumers in more than 150 countries from today's most advanced cyberthreats. Powered by threat intelligence, AI and machine learning from SophosLabs and SophosAI, Sophos delivers a broad portfolio of advanced products and services to secure users, networks and endpoints against ransomware, malware, exploits, phishing and the wide range of other cyberattacks. Sophos provides a single integrated cloud-based management console, Sophos Central – the centerpiece of an adaptive cybersecurity ecosystem that features a centralized data lake that leverages a rich set of open APIs available to customers, partners, developers, and other cybersecurity vendors. Sophos sells its products and services through reseller partners and managed service providers (MSPs) worldwide. Sophos is headquartered in Oxford, U.K. **More information is available at [www.sophos.com](http://www.sophos.com). ■**



Image: www.freepik.com

## GALLAGHER ANNOUNCES ISO 27001 CERTIFICATION

Gallagher, announces their achievement of ISO 27001 accreditation, the leading international standard focused on information security.

The ISO 27001 standard ensures organizations protect their information in a systematic and efficient way, through the adaptation of a robust and comprehensive Information Security Management System (ISMS).

“Achieving this certification further demonstrates to our Channel Partners and customers around the world that we are committed to ensuring the delivery of robust and industry-



**Greg Barclay, Chief Operating Officer at Gallagher**

leading security solutions which protect and safeguard the data of each and every one of them,” says Greg Barclay, Chief Operating Officer at Gallagher.

The certification verifies Gallagher’s outstanding safeguards in three critical areas, including confidentiality,

integrity, and authorized availability of all key data and information. Achieving the standard is a detailed and comprehensive process that requires a dedicated approach to all aspects of an organization’s processes in and around their ISMS.

The ISO 27001 certification is the latest in a long list of key accreditations Gallagher has achieved in recent years. As Greg goes on to note, “We are proud to deliver solutions that meet government and industry compliance standards and certifications around the world. This is an essential part of our customer offering and commitment to protect what matters most.” ■

## OPHIR OPTICS RECEIVES BAE SYSTEMS ELECTRONIC SYSTEMS 2021 GOLD LEVEL SUPPLIER AWARD

The Ophir® Optics Group was awarded with a 2021 Gold Level Supplier Award from BAE Systems Electronic Systems, a forerunner in cutting-edge technology-led solutions for the commercial and military electronics markets, on March 28, 2022. This award bears testament to the fact that Ophir has been offering consistent and quality on-time product deliveries.

Dr. Kobi Lasri, General Manager of Ophir Optics Group”, admitted that the Group’s collaboration with BAE Systems Electronics Systems has facilitated the introduction of various up-to-date security and defense IR optics solutions that are currently on the market. Undaunted by COVID-19 challenges, Ophir Optics Group has successfully maintained 100% quality and delivery time for its customers. MKS Instruments offers BAE Systems Electronics Systems with Ophir advanced IR lenses for use in IR thermal imaging camera systems for ground forces. Ophir responds to

BAE Systems’ specifications for high precision optics that can deal with the harshest environmental conditions.

### About BAE Systems Electronics Systems (taken from company profile)

BAE Systems, Inc. is the U.S. subsidiary of BAE Systems plc, an international defense, aerospace and security company which delivers a full range of products and services for air, land and naval forces, as well as advanced electronics, security, information technology solutions and customer support services.

The Electronic Systems (ES) sector of BAE Systems, Inc. is a global leader in researching, developing, implementing, and maintaining cutting edge commercial, defense, and space electronics. The company continuously sets new performance and innovation standards in control, communications, guidance, detection, protection, power, and propulsion



technologies and systems across a wide range of platforms. The diverse portfolio of BAE Systems Electronics Systems includes electronic warfare technology, precision guidance for weapon systems, day/night surveillance and targeting, space electronics, intelligence technologies, communications technologies, alternative energy power management systems, and more. The Electronic Systems sector has more than 14,000 talented employees worldwide.

**Additional information can be found at [www.baesystems.com](http://www.baesystems.com).** ■

## DAHUA CELEBRATES 10TH ANNIVERSARY OF HDCVI TECHNOLOGY



**Mr. Jason Zhao,**  
Dahua's Senior  
Vice President and  
General Manager of  
Overseas Business  
speaking at its online  
event on 6th April  
2022

Dahua Technology, one of the leading video-centric smart IoT solution and service providers, celebrates the 10th anniversary of its self-developed HDCVI technology. With the theme of "Blazing a trail to the Over-Coax AI era", Dahua showcased the latest achievements of the HDCVI technology enhanced by AI, and shared the success of its technological innovation and business development with global partners and customers, achieving another milestone in the Over-Coax industry.

"Ten years ago, Dahua first released the HDCVI technology with independent intellectual property rights, transforming the analog video monitoring industry from standard definition to a millionth level high definition era. Over the past decade, HDCVI has led the Over-Coax industry to new heights. This year, HDCVI will lead the Over-Coax industry into a new AI era. We will provide users with more comprehensive and easy-to-use Over-Coax AI intelligent solutions," said Jason Zhao, Dahua Senior Vice President and General Manager of Overseas Business, who made his opening speech at an online event on 6th April 2022.

Since its introduction of self-developed HDCVI technology in 2012, Dahua has been focused on delivering long-distance HD transmission and seamless upgrading experience for analog system users. At the event, Dahua announced the four core technologies of its brand new HDCVI TEN in 2022, including AI-for-all, Scheduled AI, Smart Dual Illuminators, and Real 5MP 16:9, helping to usher in the Over-Coax AI era.

Committed to bringing an 'AI-for-all' experience to its customers, Dahua is one of the first innovators in the

industry to release a full line up of AI-enabled XVRs. Following the launch of the groundbreaking entry-level AI XVR, Cooper-I Series last year, Dahua has been pushing its 'AI-for-all' concept to the next level, allowing users to enjoy SMD Plus, Perimeter Protection, AI Coding and other useful AI features of HDCVI TEN at a friendly cost.

HDCVI TEN is packed with a handful of new and exciting technologies that can greatly improve the operation efficiency of analog systems and expand the range of suitable application scenarios. For instance, the Scheduled AI function of XVR5000-4KL-I3 series supports automatic switching of multiple AI functions according to the time period set by the user, making it ideal for villas, retail stores, public swimming pools, etc. At the same time, the Smart Dual Illuminators feature of HDCVI TEN integrates smart target detection and full-color monitoring for effective information collection in low-light conditions while helping mitigate light pollutions at night.

In addition, the Real 5MP camera of HDCVI TEN with 16:9 video output effectively solves the image quality loss caused by image stretching in traditional 5MP 4:3 video output, thus providing undistorted image performance with optimized visual experience. It can be deployed in parks, casinos, museums, and other scenarios that require clarity and fluidity in their video surveillance.

Dahua aims to continue its mission of 'Enabling a Safer Society and Smarter Living', focus on technological innovation, create more possibilities for its customers, and continue to contribute to the development of the Over-Coax industry in the next decade. ■

## SAILPOINT SETS THE STANDARD FOR THE CORE OF IDENTITY SECURITY

*New set of product suites simplifies the buying process, putting the next generation of identity security at the foundation of securing today's modern enterprise*

As the leader in identity security for the modern enterprise, SailPoint Technologies Holdings, Inc. (NYSE: SAIL), pioneer in identity security for the modern enterprise, defines the industry standard on how identity security must develop to be on par with clients' needs. Hence, the company launched two new product suites that offer next-gen identity security at customers' fingertips. With SailPoint as the basis of their identity security program, companies have the autonomous and intelligent approach to the modern enterprise identity security platform they need.

"With today's hybrid workforce, a traditional security perimeter is no longer a viable option. In order to combat cyber threats and boost efficiency, enterprises need a robust identity security solution that integrates with existing systems and workflows which as a result, saves costs, provides extensive visibility, and supports a solid security strategy," said Chern-Yue Boey, Senior Vice President, Asia-Pacific, SailPoint. "With these new product offerings, enterprises are in complete control to govern access and can easily adapt to the evolving needs of the business, while staying ahead of identity-related risks".

### SailPoint Introduces New Product Suites

SailPoint Identity Security Cloud suites is a set of identity security SaaS components that organizations need to secure their enterprise and empower their workforce. With an option for organizations just getting started and one for customers with a more advanced approach to identity security in place, the two suites offered include:

- **SailPoint Identity Security Cloud Business**—containing essential identity security capabilities to start an identity security journey built with AI and ML.
- **SailPoint Identity Security Cloud Business Plus**—a holistic identity security suite built with AI and ML to discover, secure, and manage identities across an entire hybrid infrastructure.

With the two suites, clients can more easily buy SailPoint identity security offerings, thus immediately benefitting from their investment in the SailPoint product without the hassle.

"Over the last two years, conversations I've had with



**Boey, Senior Vice President, Asia-Pacific, SailPoint highlights that the SailPoint Identity Security Cloud products can help enterprises effectively manage access rights and prevent identity-related risks.**

customers and prospects all struck a similar tone: today's systems are complex, businesses are moving incredibly fast, and visibility can be hard, if not impossible," said Grady Summers, EVP of Product for SailPoint. "We're incredibly conscious of this trifecta of challenges and are constantly looking for ways to inject innovation into our approach to identity security. With this next round of updated capabilities, we're taking customers light years ahead in their identity security journey. Identity security processes and decisions that used to take years now are achieved in a matter of minutes and can largely be done without human intervention. This is next-level identity security, securing our customers' business at the core."

### Updates to the SailPoint Identity Security Cloud Product

Alongside the new product suites, SailPoint also introduces a series of new capabilities

meant to arm customers with the tools needed to stay well ahead of the threats their business faces today due to the relentless explosion in technology access. These updates include:

- **Identity Outliers:** These leverage AI and ML analysis to autonomously unearth anomalous identities—all within a single dashboard.
- **Access Modeling:** Build new roles that make the most impact on each organizations' unique business situation.
- **File Access Manager (FAM):** Easily combine FAM capabilities with a novel AI- and NLP-driven privacy engine to capture PII data across unstructured resources. With FAM, swiftly process automation for Data Subject Access Requests and right-to-be-forgotten requirements.

"At AmeriGas, our team operates under the notion that enterprise security begins with a clear grounding in identity security. With SailPoint as a fundamental part of our identity strategy, we can tap into the comprehensive and intelligent approach they provide to drive a stronger security posture that empowers us to focus on our overall goals for the business," said Christopher Martin, Manager, Identity & Access Security at AmeriGas.

### Availability

The SaaS suite offerings and latest updates to the SailPoint Identity Security Cloud will be available this month. ■

## SEAGATE AND PHISON BROADEN PARTNERSHIP TO BOLSTER PORTFOLIO OF HIGH-PERFORMANCE, HIGH-DENSITY ENTERPRISE-CLASS SOLID STATE DRIVES OPTIMIZED TO LOWER DATA CENTER TCO



Image: www.freepik.com

Seagate Technology Holdings plc (NASDAQ: STX), a world leader in mass-data storage infrastructure solutions, and Phison Electronics Corp. (TPEX: 8299), a global leader in NAND flash controller and storage solutions, announced today plans to expand their SSD portfolio of next-gen high-performance, high-density enterprise NVMe SSDs. The new SSDs will help enterprises lower total cost ownership (TCO) through increased storage density, lower power consumption, and higher performance. The companies also announced that they have entered a long-term partnership that will strengthen the development cycle and distribution of enterprise-class SSDs.

Seagate and Phison have collaborated on Seagate's mainstream SATA SSD products since 2017. That close cooperation has continued through the company's performance-leading line of FireCuda consumer gaming NVMe PCIe Gen4x4 SSDs and the world's first purpose-built NAS NVMe SSDs.

The partnership will now focus on meeting the evolving global enterprise demand for higher density, faster, and smarter storage infrastructure needs that complement HDD storage to enable comprehensive enterprise applications such as hyperscale data center, high-performance computing and AI.

"We integrated Seagate's 40-plus years of market-leading enterprise storage expertise with Phison's nimble ability to create highly customized SSDs to meet the ever-evolving

needs of the enterprise storage market," said Jeff Fochtman, senior vice president of business and marketing at Seagate Technology. "Seagate is extremely excited to work with Phison on developing advanced SSD technology. Our selective focus allows us to serve the broad performance-driven enterprise SSD market while continuing our leadership in the specialized premium gaming SSD segment."

"Phison is proud to partner with Seagate to expand our enterprise SSD product line," said Sebastien Jean, CTO of Phison Electronics. "Our leading in-house ASIC technology, coupled with engineering excellence, complements Seagate's deep industry knowledge. In a show of commitment to this partnership, in 2020 we opened a development center in Broomfield, Colorado. Together, we will deliver winning solutions for a wide range of applications including Artificial Intelligence, Cloud Storage, and 5G edge computing."

Seagate and Phison will work together to strengthen the industry's enterprise-class SSD product offerings focusing on best-in-class performance, cost savings, and efficiency. Optimized for specific workloads, environments, and use cases, each new product will be engineered and customized to specifically address a customer's technical needs.

Detailed product announcements from this partnership will be shared in the summer of 2022. ■

# How The Ukraine-Russia Crisis Could Impair Global Aviation

By Angeline Tan



WCO

MA 8771





**T**he Ukraine-Russia crisis and NATO's ensuing sanctions on Russia have considerably impacted the commercial aviation industry, just as the latter was recuperating from the aftermath of government lockdowns on the pretext of COVID-19.

Data from GlobalData have revealed the severe impacts COVID-19 lockdowns have had on the global revenue from full-service and budget airlines. While the industry benefited from stable growth in the years prior to COVID-19, global revenues from the airlines took a huge plunge in 2020 before displaying some signs of recovery in 2021.



Below, we explore the ways in which the Ukraine-Russia crisis, exacerbated by Western sanctions and retaliations, has affected the aviation industry.

### Titanium shortage

The Russian invasion of Ukraine has alerted observers about possible shortages in titanium supply. A dearth in the amount of available titanium would not bode well for the aviation industry, at least in the near future.





Image: www.unsplash.com

This is because titanium is a vital metal component for aircraft manufacturing. For example, VSMPO-Avisma, a Russian company, is a key player in the global civil aviation supply chain. VSMPO-Avisma produces at least half of the world's supply of structured titanium. Companies like Airbus and Boeing, among many others, depend on titanium imports from the company. With Ukraine and Russia among the major titanium producers, it would not be surprising if the ongoing crisis would limit the supply of this metal in the short term. Notably, the Ukraine-Russia crisis has unearthed vulnerabilities of the aerospace supply chain globally.

### Flight Suspension And Rerouting

Due to Western sanctions and air bans, various airlines have been compelled to suspend or reroute their flights altogether. For instance, Aeroflot and S7, two of Russia's largest airlines, have halted all their international flights except those towards Belarus. Also, non-Russian airlines like Qantas Airways have rerouted their flights away from Russia. As a result of flight diversions and longer routes in a bid to avoid Russian airspace, flight durations have increased.

### Rising fuel prices

In addition to increased flight times, several countries began to ban Russian oil imports and other energy products.

Consequently, the price of crude oil has also increased by more than US\$10 a barrel. Rising fuel prices have hit the aviation sector hard as fuel prices play a key part in the operating costs of airline companies. Airlines, which are still in recovery mode after the repercussion of travel restrictions due to COVID 19 policies, have to see their profit margins take another dip owing to increasing fuel prices.

### Rising air ticket prices

With airspace bans, prolonged flight times, rising fuel costs, more pilot hours, the prices of air tickets would rise, further hampering the demand recovery.



Image: www.freepik.com

**With airspace bans, prolonged flight times, rising fuel costs, more pilot hours, the prices of air tickets would rise, further hampering the demand recovery.**

### Heightened risk of security incidents

The increasingly divisive political rhetoric globally predating and as a result of the current Ukraine–Russia crisis are likely to exacerbate risks to airline and airport security in the upcoming months. Passenger-related security incidents on board flights as well as in airports would most likely remain in the upcoming months. Furthermore, private companies are selling cyber capabilities, such as interception and intrusion capability technologies to public state actors, hostile or benign, for their use. Thus a cyberattack in the aviation industry conducted by inter-state or intra-state actors could result in the loss of countless innocent lives; a cataclysmic outcome to avoid at all costs. Indeed, the



Image: [www.unsplash.com](http://www.unsplash.com)

Ukraine–Russia crisis has reminded us of the necessity of robust aviation and aerospace systems with top-notch reliability and painstaking cybersecurity controls. A holistic cyber evaluation involving aircraft manufacturers, airlines, air traffic control and other elements of aviation infrastructure as well as vulnerability testing to detect flaws in existing systems are necessary. The market for cyber capability technologies has grown immensely, with more vendors selling to law enforcement, governments, and intelligence services. There remains a risk of vendors selling their products to rogue actors that could use them to harm private citizens.

### Final Thoughts

The aviation industry plays a vital role in global transport, commerce and trade and thus is crucial in the global economy. We have seen how a geopolitical event like the recent Ukraine–Russia crisis can reverberate throughout various notches of the aviation sector and beyond. Moreover, cybersecurity and physical security in aviation is of primary significance. With the Ukraine–Russia crisis still looming ominously in the horizon, both state and non-state, private actors in the aviation sector must cooperate to ensure that public safety and national security cannot be compromised by any security lapses or geopolitical miscalculations. ■



Image: [www.freepik.com](http://www.freepik.com)

## ACRE INTRODUCES NEXT-GEN RAZBERI PRODUCTS

*Next-Gen Razberi Products Introduced Razberi product line features a major upgrade to Server Switch IQ and Core Servers, adds increased monitoring functionality*

ComNet Products from ACRE, a Danbury, Connecticut, USA-based manufacturer of fiber optic transmission and networking equipment is unveiling its next generation of Razberi video management products. The next-gen Razberi® ServerSwitch IQ™ Intelligent Video Appliance is a high-performance Managed Ethernet PoE switch, server, and video storage appliance. This Razberi appliance is part of a complete suite of appliances that offers large-scale video recording, scalability, reliability, and automated cybersecurity with remote management. Moreover, this appliance enables devices like cameras and access control points to have layers of protection while reducing required network bandwidth and lowering the threat of cybersecurity risks to businesses.

Furthermore, an upgraded Remote Monitor and Manage (RMM) service has been added to the product range. With



this new service, Razberi can observe the entire video ecosystem (cameras, network, server, storage, and cyber security) via a purpose-built RMM service. Additionally, the new RMM features permit service providers and end-users to remotely manage and install operating system updates, critical security patches, and firmware.

The Razberi product line is touted to be a cost-effective solution, and its cybersecurity products can complement ComNet products in securing business networks. ■

## REALNETWORKS DEBUTS SAFR SCAN

SAFR SCAN™, the world's leading facial recognition platform for live video intelligence, was publicly disclosed on the 23rd of March at the ISC West 2022 trade show in Las Vegas. This product harnesses AI that offers high verification capacities and identification for novel and developing applications in workforce management, physical security as well as health safety.

SAFR SCAN provides seamless and speedy throughput enabling up to 30 individuals to be verified per minute. Moreover, the competitive price point of SAFR would attract both organizations large and small. Regardless of its use, SAFR can be installed on site, in the cloud, embedded in a smart camera, or with a VMS.

All enrolled and scanned biometric data is completely encrypted without capturing any visual imagery of individuals' faces for privacy purposes. For enhanced physical security, SAFR SCAN showcases anti-spoofing technology with 3D structured light and RGB to certify the liveness of the individual being screened.



As SAFR SCAN relies on touchless biometrics technology instead of a keycard-based system, it can be used both indoors and outdoors. The device will be sold in North America via a network of system integrators and has an MSRP of \$1,199. ■

## MKS ANNOUNCES OPHIR® LONG RANGE, RUGGEDIZED FAMILY OF 30-385MM, 50-700MM, AND 80-1200MM F/5.5 CONTINUOUS ZOOM LENSES FOR COOLED MWIR CAMERAS

*New lenses deliver disruptive cost-performance for defense and commercial applications*

MKS Instruments, Inc. (NASDAQ: MKSI), an international provider of technologies that enhances processes and productivity, has launched the Ophir® SupIR 30-385mm, 50-700mm, and 80-1200mm MWIR f/5.5 lenses made for 15 $\mu$ m pitch VGA FPA (focal plane array) cooled MWIR detectors. As a result, prolonged detection, recognition, and identification (DRI) ranges exceeding 26km (using the SupIR 80-1200mm lens) are now possible.

The new Ophir SupIR lenses have a rugged design meant for tough environments and the lenses offer an operating temperature from -32°C to +70°C. Besides, Ophir's eminent abrasion-resistant, anti-reflective (AR) coatings; IP 67 sealing; and a mechanical design can undergo extreme shock and vibration. Moreover, the lenses include Ophir's standard software for optimal integration, calibration, and field operation. This makes it ideal for advanced long-range thermal imaging applications like counter UAV systems and other extended observation security and surveillance systems."

The Ophir SupIR 30-385mm f/5.5 lens has a horizontal field of view (H-FOV) of 0.7° to 18.6° with detection range exceeding 17km, the SupIR 50-700mm f/5.5 lens has an H-FOV of 0.4°-11.4° with detection range exceeding 22km, and the SupIR 80-1200mm f/5.5 lens has an H-FOV of 0.5° to 7.1° with a detection range exceeding 26km.

### Availability

The SupIR 30-385mm, 50-700mm, and 80-1200mm MWIR f/5.5 lenses are available now. OEM prices available on request.



### About MKS Instruments

MKS Instruments, Inc. (NASDAQ: MKSI), is a global provider of instruments, systems, subsystems and process control solutions that measure, monitor, deliver, analyze, power and control critical parameters of advanced manufacturing processes to improve process performance and productivity for our customers.

Our products are derived from our core competencies in pressure measurement and control, flow measurement and control, gas and vapor delivery, gas composition analysis, electronic control technology, reactive gas generation and delivery, power generation and delivery, vacuum technology, lasers, photonics, optics, precision motion control, vibration control and laser-based manufacturing systems solutions.

We also provide services relating to the maintenance and repair of our products, installation services and training. Our primary served markets include semiconductor, industrial

technologies, life and health sciences, research and defense. **Additional information can be found at [www.mksinst.com](http://www.mksinst.com).**

### About the Ophir Brand

Ophir is a brand within the MKS Instruments Light & Motion division. The Ophir product portfolio consists of laser and LED measurement products, including laser power and energy meters, laser beam profilers measuring femto-watt to hundred-kilowatt lasers, high-performance IR and visible optical elements, IR thermal imaging lenses and zoom lenses for defense and commercial applications, OEM and replacement high-quality optics and sub-assemblies for CO<sub>2</sub> and high-power fiber laser material processing applications.

Ophir products enhance our customers' capabilities and productivity in the semiconductor, industrial technologies, life and health sciences, research and defense markets. **For more information, visit [www.ophiropt.com](http://www.ophiropt.com).** ■

## PHONE AS A CONVENIENT ACCESS CARD



Modern access control indicates convenience for security managers and building users. When contemporary door readers detect an access card, they indicate details such as the person who is trying to access, the door location and the time of access. In light of this, system integrator Visma Megaflex recently launched a novel convenience technology to their systems: technology permitting mobile phones as access devices. Mobile phones offer a sensible, convenient platform for safely keeping digital access credentials because they are prevalent among people nowadays. Moreover, mobile phone locks, whether fingerprints, keywords or security patterns, can boost security.

Besides making access to buildings easier, mobile phones simplify systems management and reinforce information security. This is because temporary users like maintenance personnel can easily manage mobile access. After each visit, users can remove their ID via some mouse clicks. Therefore, it becomes more feasible to pre-define and allocate such temporary mobile access privileges in advance, in the context of building maintenance works usually done after office hours.

Visma Megaflex deploys Idesco's 8 CD 2.0 MI readers in their system. These also read traditional MIFARE DESFire tags and cards, in addition to mobile IDs. Idesco designed

its mobile IDs to integrate seamlessly into systems where physical tags are also managed. Administering these mobile IDs inside Megaflex' system is the job of Idesco ID service. Idesco ID lets Megaflex customers manage their mobile IDs from within the Megaflex system. Best of all, since no user data is transferred or resides in external cloud services, user privacy is protected.

"We chose Idesco as supplier, because the priorities of solution quality and understanding the customer is embedded in everything they do. It mirrors the same values we imbue our own work with every day, so cooperation is easy and feels natural with Idesco", reflects Kari Kuittinen.

Visma Megaflex is strongly future-oriented in developing their access control solutions. "As a software house, we provide data-secured solutions intended for ongoing development. Integrating access control with other processes such as HR systems, is already an everyday business. In the future, we will focus even more on providing our customers the data they need to support their different business operations. In this area, we are committed to being an agile operator. Due to the rapid development of access control technologies and tools we foresee continued tight cooperation with both Idesco and our customers", concludes Kari Kuittinen. ■

## ANTAIRA INSTALLS DIGITAL 3D PROTECTIVE SHIELD OVER AIRFIELD

Antaira Technologies installed a digital 3D protective shield over a restricted airfield at an airport via a collaboration with a Utah-based airspace security defence company. Pillars arrayed with outdoor surveillance cameras, sensors as well as Antaira's industrial Gigabit-managed Ethernet switch (the LMX-1202G-SFP-T) implemented a blanket of protection over specified airspace.

This digital 3D protective shield used radar and video to notify and dispatch drones to seize unsanctioned and hazardous drones in the vicinity of the airport. Larger protector drones launched nets to seize unlicensed drones, for the purpose of leaving the foreign drones unharmed for airport security to locate the culprit.

### Client Requirements

For the project, the client required din rail mounted and hardened industrial switches that would stand up to shock and vibration and could be situated outdoors in an enclosure. Moreover, the client required a higher port density with an intricate system comprising embedded computers, radar management systems, cameras to analyze objects and their locality.

### Antaira's Value Proposition

Antaira's tailor-made services, free product evaluation and technical

support made the company the choice candidate for this project. Antaira offered the client industrial switches with ascending port counts and of several sizes until a 12-port Ethernet switch was found suitable for the application. This bid process took six months until the most appropriate fit and a fully tailor-made application was decided upon.

Furthermore, Antaira's managed Ethernet switch was installed inside multiple pillars, enabling the creation of a ring. With the ring feature, industrial switches could communicate with each other, the other hardware on the pillars, and the security command center. Remote access to the managed switches clarifies updates or changes on the switch, making it easier to control the switch from the command center.

Besides, Antaira's LMX-1202G-SFP-T could operate optimally in an outdoor field as it contains an extended operating temperature range of -40°C to 75°C and hardened IP30 capabilities. Antaira's LMX-1202G-SFP-T is a 12-port industrial gigabit Light Layer 3 managed Ethernet switch that is implanted with 10\*10/100/1000Tx Fast Ethernet ports and two dual rates (100/1000X) SFP slots. This model is a fully controllable industrial Ethernet switch pre-loaded with standard Light Layer 3



network management software. Also, it supports Jumbo Frame and wide bandwidth for data transmission and contains adequate port counts for any edge-level connectivity solutions.

With Antaira's digital 3D protective shield, airport security has been enhanced.

### Antaira's Product Solution

#### LMX-1202G-SFP-T

#### 12-Port Industrial Gigabit Light Layer 3 Managed Ethernet Switch

- 8\*10/100/1000Tx (30W of PSE per port)
- Redundant Power Input Design – 12-48VDC
- Housing: Metal IP 30 Rated; DIN-Rail and Wall Mount Support
- Supports QoS (IEEE802.1p) and CoS/ToS
- Temperature Range: -40°C to 75°C ■



# COMING SOON

**MAY**  
17 - 19  
2022

## IFSEC International 2022

📍 London, United Kingdom  
☎ +44 (0)20 7069 5000 🌐 [www.ifsecglobal.com](http://www.ifsecglobal.com)  
✉ [info@excel.london](mailto:info@excel.london)

**AUG**  
18 - 20  
2022

## Secutech Vietnam 2022

📍 HCM City, Vietnam  
☎ +86 2 8729 1099, +84 4 3936 5566 🌐 [www.secutechvietnam.tw.messefrankfurt.com](http://www.secutechvietnam.tw.messefrankfurt.com)  
✉ [stvn@newera.messefrankfurt.com](mailto:stvn@newera.messefrankfurt.com), [project1@vietfair.vn](mailto:project1@vietfair.vn)

**SEP**  
12 - 14  
2022

## Global Security Exchange 2022

📍 Atlanta, USA  
☎ +1 703.519.6200 🌐 [www.gsx.org](http://www.gsx.org)  
✉ [asis@asisonline.org](mailto:asis@asisonline.org)

**SEP**  
20 - 23  
2022

## Security Essen 2022

📍 Essen, Germany  
☎ +49 (0)201-7244826 🌐 [www.security-essen.de](http://www.security-essen.de)  
✉ [karin.baumeister@messe-essen.de](mailto:karin.baumeister@messe-essen.de)

**OCT**  
10 - 12  
2022

## ISNR 2022

📍 Abu Dhabi, United Arab Emirates  
☎ +971 (0) 2 444 6900 🌐 [www.isnrabudhabi.com](http://www.isnrabudhabi.com)  
✉ [info@idexuae.ae](mailto:info@idexuae.ae)

**NOV**  
16 - 17  
2022

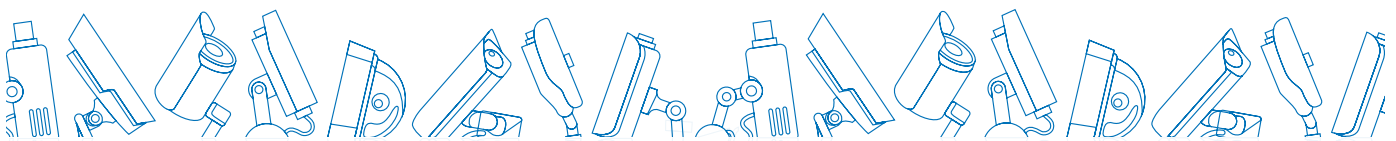
## ISC East 2022

📍 NYC, New York, USA  
☎ +1 203 840 5602 🌐 [www.isceast.com](http://www.isceast.com)  
✉ [inquiry@isc.reedexpo.com](mailto:inquiry@isc.reedexpo.com)

**NOV/DEC**  
30 Nov - 2 Dec  
2022

## Secutech Thailand 2022

📍 Bangkok, Thailand  
☎ +66 2 664 6488 🌐 [www.secutechthailand.tw.messefrankfurt.com](http://www.secutechthailand.tw.messefrankfurt.com)  
✉ [stth@taiwan.messefrankfurt.com](mailto:stth@taiwan.messefrankfurt.com)



**SECURITY SOLUTIONS TODAY**

[sst.tradelinkmedia.biz](http://sst.tradelinkmedia.biz)

Security Solutions Today (SST) is a leading publication on the latest security information, trends and technology, and products that include Access Control, CCTV/ IP Surveillance, Intrusion Detection and Integrated Security Systems.

SST is packed with the latest developments in security technologies and trends, events, previews and reviews of major global trade shows, product launches and security installations worldwide.

# SUBSCRIPTION FORM

Email us at [info@tradelinkmedia.com.sg](mailto:info@tradelinkmedia.com.sg)

## PRINT

Please (✓) tick in the boxes.



Southeast Asia Building  
Since 1974



Southeast Asia Construction  
Since 1994

**1 year (6 issues) per magazine**

Singapore	SGD\$60.00
Malaysia / Brunei	SGD\$105.00
Asia	SGD\$155.00
America, Europe	SGD\$185.00
Japan, Australia, New Zealand	SGD\$185.00
Middle East	SGD\$185.00



Bathroom + Kitchen Today  
Since 2001

**1 year (4 issues) per magazine**

Singapore	SGD\$32.00
Malaysia / Brunei	SGD\$70.00
Asia	SGD\$85.00
America, Europe	SGD\$135.00
Japan, Australia, New Zealand	SGD\$135.00
Middle East	SGD\$135.00

## DIGITAL

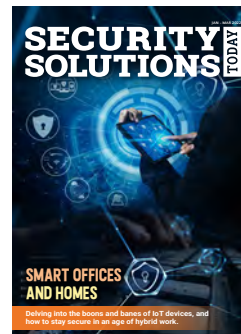


### Lighting Today

is available on digital platform.  
To download free PDF copy,  
please visit:

<http://lt.tradelinkmedia.biz>

Lighting Today  
Since 2002



### Security Solutions Today

is available on digital platform.  
To download free PDF copy,  
please visit:

<http://sst.tradelinkmedia.biz>

Security Solutions Today  
Since 1992

**Personal Particulars**

Name: \_\_\_\_\_

Position: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Tel: \_\_\_\_\_ Fax: \_\_\_\_\_

E-Mail: \_\_\_\_\_

### IMPORTANT

Please commence my subscription in  
\_\_\_\_\_ (month/year)

Professionals (choose one):

- Architect       Landscape Architect       Interior Designer       Developer/Owner  
 Property Manager       Manufacturer/Supplier       Engineer       Others

I am sending a cheque/bank draft payable to:

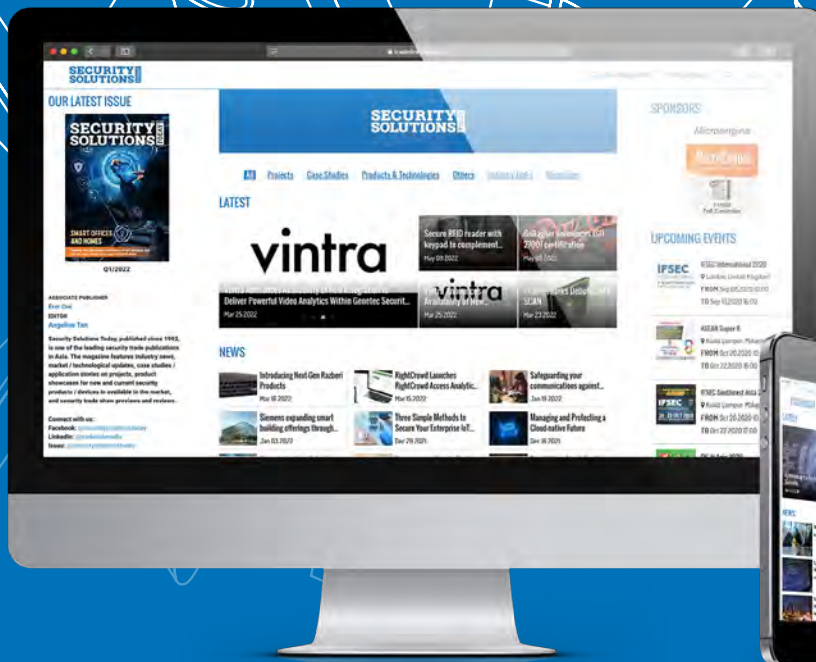
**Trade Link Media Pte Ltd, 101 Lorong 23, Geylang, #06-04, Prosper House, Singapore 388399**

Co. Reg. No: 199204277K \* GST inclusive (GST Reg. No: M2-0108708-2)

Please charge my credit card (circle one): Amex / Diner's Club

Card Number: \_\_\_\_\_ Expiry Date: \_\_\_\_\_

Name of Card Holder: \_\_\_\_\_ Signature: \_\_\_\_\_



# ADVERTISE WITH US TODAY!

Email us at [info@tradelinkmedia.com.sg](mailto:info@tradelinkmedia.com.sg).



Scan to visit our website

