

Appointments

D'Oliveiro Joins Deltatre APAC OTT Division

Michael D'Oliveiro has joined Deltatre as Commercial Director, APAC OTT Division.

Reporting to Adam Nightingale, SVP OTT, D'Oliveiro will be based in Singapore and handle account management for Deltatre's key strategic accounts, while also taking responsibility for sales and business development across the region.

Ron Downey, OTT Division | President & Board Director, said: "Michael is a seasoned media and technology executive and we are delighted to welcome him to the Deltatre team. He will bring local market expertise as well as a great deal of amassed industry knowledge. His hire is another important milestone on our journey in Asia, where the business has had a remarkable year of growth."

He joins Deltatre from Dexecure, where he was Head of Growth, managing global sales and marketing for the company.

D'Oliveiro spent over 20 years in the telco, media and technology verticals, working primarily across Asia and Australia. He has a rich history of managing global technology portfolios and is capable of leveraging his multicultural experiences to build successful business partnerships.

His client-side experience encompasses free-to-air services, pay-TV and the pure-play OTT industry. Previous achievements include managing Telstra's B2B OTT portfolio, where he held global commercial responsibilities.

In addition, he was also Singapore Country Head at HOOQ, the regional OTT player, where he managed the Singtel partnership.

Deltatre has had a year of significant growth in Asia, underlined by several high-profile client wins, plus the introduction of a customer service team in Mumbai.



deltatre

SMPTE Program For ConneCTechAsia2020

SMPTE is to produce and host a program at ConneCTechAsia2020, organised by Informa Markets.

"Thanks to our new partnership with Informa Markets, we have the exciting opportunity to bring a SMPTE-produced program to international audiences at ConneCTechAsia," said Barbara Lange, Executive Director of SMPTE. "We'll be working with local SMPTE members, as well as members from around the world, to cultivate a rich array of speakers and panellists who can address critical technology topics across the professional media technology industry."

ConneCTechAsia will feature top speakers and brands from around

the world, the latest content and technology showcases, and lively activities and networking events, all aimed at delivering ever-increasing educational value to attendees.

Ivan Ferrari, Event Director of ConneCTechAsia, Informa Markets, said: "We are thrilled to welcome SMPTE onboard as one of ConneCTechAsia's key partners, to bring attendees a robust program of insightful content from industry leaders around the globe. As the world's leading professional organisation for media technology, SMPTE and its members bring with them unparalleled depth and highly relevant knowledge and education



Barbara Lange, Executive Director, SMPTE

that will help the industry in the region tackle issues of next-generation broadcasting standards."

The 2020 edition of ConneCTechAsia, the region's leading information, communications, media, and technology event, will be held in Singapore in June at the Marina Bay Sands.

AFP And KBS Forge New Strategic Partnership

AFP has become a main provider of international video news for KBS, the public service broadcaster in Korea.

"We are pleased to start a new relationship with AFP, an influential, prestigious and trusted news agency", said Kim Jong Myong, Executive Managing Director for News and Sports for KBS. "We believe this contract was made possible through AFP's credibility, and we hope this cooperation will greatly contribute to our credibility," Mr Kim said.

"We are delighted and honoured that KBS, a much trusted public

broadcaster in Korea and across Asia, has chosen to forge a new strategic partnership with AFP and we are looking forward to a long and mutually fruitful relationship", Philippe Massonnet, Asia-Pacific Director for AFP said.

"KBS's expression of confidence in AFP is evidence of the strength of our global network and our live video coverage, which have established AFP as a truly global video news provider and we look forward to fulfilling KBS's

foreign video needs into the future."

A major achievement for the AFP video service, the new partnership with KBS is testament to the quality of the agency's news production from its unparalleled network across 151 countries and, especially, to the success of the service's deployment in the Asia-Pacific region.



Philippe Massonnet, Asia-Pacific Director, AFP

WorldCast Group Opens Malaysia Office

WorldCast Group has opened a new office in Kuala Lumpur, Malaysia.

The group, which is composed of two companies - WorldCast Systems and CONNECT - chose Kuala Lumpur for its strategic and central location. It is ideal for providing customers and partners in the Asian market with the best local service.

"For several years now, we've had a sales representative in India and, with an increasing number of opportunities presented to us in Asia, especially China, Japan, Korea, and



Southeast Asia, we are enthusiastic about establishing this new office in the region," said Christophe Poulain, Co-President of WorldCast Group.

The office will open its doors this month with the arrival of Victor Bidot, Regional Sales Manager, and Bastien Bahuet as Presales Engineer. This expansion consolidates the group's worldwide presence, which now generates 85% of its turnover from exports. WorldCast Group is a global player in professional media and Industrial Internet of Things, with in-depth expertise in radio and television.

The group is made up of two companies, WorldCast Systems

and WorldCast Connect (CONNECT), complementary in their expertise and their added value.

Headquartered in Bordeaux, France, the group employs around 100 people worldwide. The group operates a research and development centre in Northern Ireland and sales offices in the UK, the US, and Malaysia.



Kuala Lumpur, Malaysia

Christophe Poulain, Co-President, WorldCast

TRP OB Opts for Axon Cerebrum Control

Magna Systems and Axon have recently created an Australian first in control systems for TRP's new OB unit from Sony Australia...

Thoroughbred Racing Productions (TRP) commissioned Sony Australia to design and build a replacement for the company's flagship OB unit. Part of this new build involved an Australian first the Axon Cerebrum control platform supplied and installed by Magna Systems & Engineering. Solutions Sales & Proposals Manager Sony Australia, Tom Garvan, explained: "A key requirement for the new TRP OB van was to provide a scalable and modular solution that could be adapted to cater for various production requirements. To achieve this we needed a control and monitoring solution which could connect to the core system hardware using various protocols from different manufacturers to create a single unified control layer to the operators. We were looking for a proven solution which would meet our system needs at a competitive price with local support in Australia. Fortunately we were able to obtain the Axon Cerebrum control platform after discussions and consultations from their reseller and partner Magna Systems & Engineering."

Critical Evaluation

While Sony and TRP already had some experience of using Axon equipment from TRP's original OB van in 2008, the system was set-up at Magna HQ in Sydney and training was provided for the evaluation. Sony and TRP needed confidence that the system would work reliably. They also needed guarantees that the level of local support and training would be comprehensive, so their relationship with Magna was critical.

TRP Engineering and Technical Operations Manager Charles Cole said: "We had demonstrations of a number of control systems which would match the requirements from a technical perspective. We started with the basics including tallies, UMD, router control,

multi-viewer and monitor set up, PIP allocation and system monitoring, ticking them off one at a time. Cerebrum easily made it on the shortlist pending confirmation of local support and competitive pricing from Magna."

The Cerebrum control system has an extensive library of supported protocols that expanded on the original scope to include environmental monitoring and power and UPS systems.

TRP uses the Axon Cerebrum Control System to control the core functions of the OB van. It monitors the video systems, power systems and the environmental systems. Cerebrum also gives TRP a simple, user-friendly interface to control their Riedel MediorNet router and can also control the vision in and the destination of the multi-viewers created in MediorNet. Cerebrum in turn supplies the UMDs and the tally systems as well as controlling the vision switcher mnemonics.

Cole continued: "Touchscreen control gives TRP the ability monitor the UPS status, the incoming power status and the temperature of each of the workspaces as well. The CCU overrides are also programmed by Cerebrum. With all the core systems under Cerebrum control, system snapshots for multiple equipment at multiple levels can be recalled at the touch of a button. Furthermore from an engineering perspective the system will monitor and alert error conditions, greatly easing the trouble shooting of issues caused by hardware or signal failures."

Powerful Customisation

According to Cole and Garvan the fact that this is an Australian first isn't the



most impressive thing about the Axon Cerebrum system, that honour goes to its ease of use and customisation and how smoothly the sale and install went.

Cole said: "The biggest wow factor is the simplicity of the end user interface. It can be made as graphical as required to make the experience as simple as possible. The ability to make snapshots of the truck status, then save and recall it at a later date makes reconfiguring the truck very easy. Various emergency fail-over scenarios are also programmed into the push of a series of buttons, so that in a complex failover of the vision switcher for example, one button performs the failover of a router panel to the emergency switcher, resets the monitor wall, ensures all tallies are fully functional and that the correct feeds are still assigned to the correct outputs."

Garvan agreed adding: "The initial touchscreen user interfaces were designed on-site by Bob Ahlers from Axon as part of the system commissioning process. With the power of the Cerebrum toolbox, you can design almost any interface imaginable."

During the early part of the commissioning it became apparent that the Cerebrum Modbus and SNMP control and monitoring support would allow Sony and TRP to tap into the



TRP's flagship OB unit utilises Axon Cerebrum control

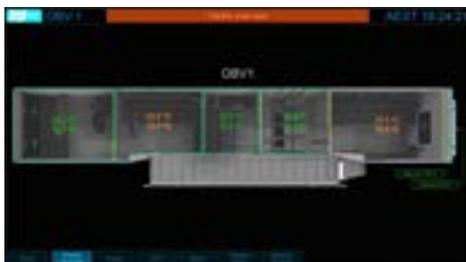
OB van's environmental and power monitoring systems. Ahlers developed a GUI which showed environmental conditions in various areas of the truck with triggers set up to provide alarms if over-temperature conditions occurred.

Garvan said: "The way controls and information are presented to the end user are restricted only by the designer's imagination. New panels and interfaces can be developed off-line using the Cerebrum Designer tool before being applied to the system. Unique interfaces and button layouts can be developed depending on operator roles and responsibilities."

Layout Success

According to Cole, integrating Cerebrum into TRP's OB unit has been an unqualified success: "The Director, EVS ops and audio op can all route and change layouts of their monitor walls themselves. CCU operators now can have a fully flexible layout in both monitor and RCP panel assignment and the senior vision operator can customise the complete layout to best suit the operational conditions on any given day.

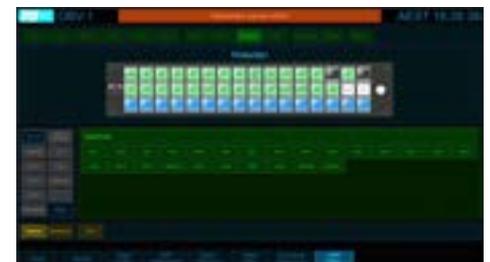
"I was quite nervous about jumping headfirst into an overall control system for our new facility but I am pleased to say I could not be more delighted with the result. We have been able to deliver more to our stakeholders with little or no effort during the Spring Racing Carnival this year and this is a testament to Sony, Magna, Axon and the Cerebrum platform." ■



Environmental monitoring



Power and UPS system control



Hardware panel control

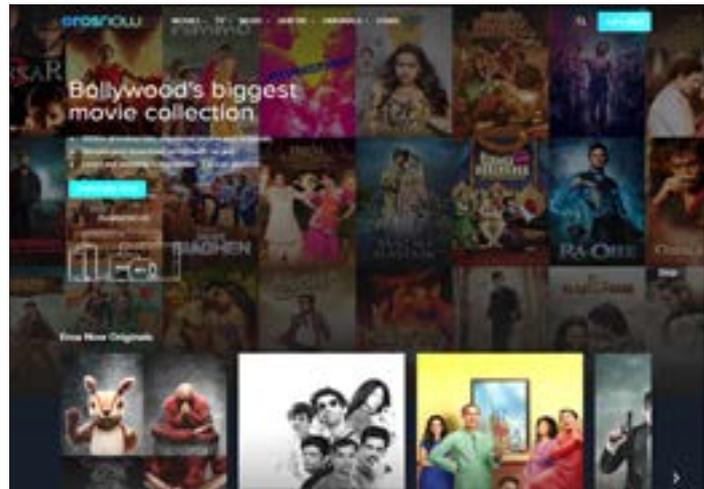
Eros Now Chooses Verizon Media Platform

Eros Now, a premier South Asian OTT entertainment platform, is using the Verizon Media Platform to meet global consumer demand for high quality streaming of Indian cinema.

India is home to Bollywood, the world's largest film industry with an annual output of almost 2,000 films. Global demand for Bollywood content is growing rapidly and Eros Now has attracted over 177 million users to its service by housing over 12,000 movie titles, TV shows, Eros Now Originals, and short-format content - Eros Now Quickie. In order to retain its market leading position in India and also futureproof its ability to penetrate additional markets, Eros Now chose to migrate from its technology-dense streaming stack to a fully managed streaming service.

"As we continue our mission of bringing Bollywood content to a global audience, it's crucial that we invest in cutting edge technologies to maintain high quality online experiences for the millions of users accessing our service

from a range of devices and locations. Verizon Media's Platform is renowned for its unparalleled streaming capabilities and high performance network, which will play an important role in helping us deliver an unrivalled user experience to our customers around the world," said Ali Hussein, CEO, Eros Now.



Eros Now - bringing Bollywood content to a global audience

Platform. With more than 140 points of presence globally and 100Tbps of capacity at the end of 2019, the Verizon Media Platform provides Eros Now with a high performance streaming network to reach consumers in India and worldwide.

"One of the biggest challenges content service providers face is being able to deliver high quality experiences to international audiences," said Ralf Jacob, President, Verizon Media. "Eros Now is meeting this challenge head-on by using the Verizon Media Platform to simplify its video workflow so it can focus on delivering compelling user experiences. We're honoured that Eros Now chose Verizon Media to help further elevate the visibility of Bollywood content among an international audience."

Verizon Media's platform is built on a global network that has over 130 points of presence on six continents, ensuring high-quality viewing of digital content on any device, anytime, anywhere.

Eros Now (www.erosnow.com) is Eros International Plc's on-demand South Asian entertainment video service accessible worldwide to viewers across internet enabled devices including mobile, web and TV. ■

Ensign InfoSecurity CEO Tham Appointed to Mediacorp Board of Directors



Mediacorp has appointed Ms Tammie Tham to its Board of Directors, effective from 2 January, 2020.

Ms Tham is Chief Executive Officer of Ensign InfoSecurity, one of Asia Pacific's largest pure-play cybersecurity firms offering bespoke, end-to-end security solutions to enterprises and governments globally.

Ms Tham has extensive experience running cyber businesses across the ASEAN region. Prior to Ensign, she was the Chief Executive Officer and Founder of Accel Systems & Technologies (Accel), a cybersecurity systems integrator. She led the APAC Cyber Security Business Unit at BT Frontline, a subsidiary of BT Global Services, and was responsible for expanding its cyber business in ASEAN and building a footprint in Asia Pacific. Before that, Ms Tham led the ASEAN Security Practice at IBM.

Ms Tham is on the executive committee of industry association SGTech (formerly known as SiTF).

She is also a member of Cyber Security Agency's Cyber Security Awareness Alliance, which aims to enhance awareness and promote adoption of essential cybersecurity practices, and sits on the Board of Trustees of the Singapore Institute of Technology. Mediacorp Chairman Niam Chiang Meng said of the appointment: "Tammie has a wealth of experience in technology and especially deep expertise in leading-edge, disruptive cybersecurity. Having started a company, she is also well clued in on the need for a business to be competitive and to always look out for opportunities. We welcome Tammie to the Mediacorp board and look forward to benefitting from her insights and experience in these fields."

Of joining the Mediacorp board, Ms Tham said: "Mediacorp plays an essential role in our community, creating content that connects and inspires people. I am excited to join the board at a time when the company is transforming from traditional

broadcaster to multiplatform media network with demonstrably innovative digital content and initiatives to engage a new generation."

The Mediacorp board of directors comprises:

Mr Niam Chiang Meng, concurrently Chairman, Maritime and Port Authority of Singapore.

Ms Tham Loke Kheng, concurrently CEO, Mediacorp.

Mr Robin Hu, concurrently Head, Sustainability and Stewardship Group, Temasek International.

Mr Pang Kin Keong, concurrently Permanent Secretary, Ministry of Home Affairs.

Mr Roy Quek, concurrently Director, Thomson Medical Group.

Mr Rajesh Sreenivasan, concurrently Equity Partner, Rajah & Tann Singapore LLP.

Ms Tammie Tham, concurrently CEO, Ensign InfoSecurity.

Ms Wong Su-Yen, concurrently Chairman, Nera Telecommunications.

Mr Yap Chee Keong, concurrently Director, Olam International.

Mr Zainul Abidin Rasheed, concurrently Ambassador (Non-Resident) to Kuwait. ■

Tammie Tham joins Mediacorp Board of Directors





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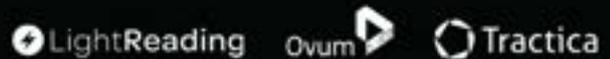
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Appointments

SIG Restructures Appoints MD

The Satcoms Innovation Group (SIG) has appointed Helen Weedon as Managing Director.

The appointment marks significant restructuring of the innovation forum. Helen succeeds Martin Coleman who will commence as a member of the group's advisory board.

Weedon, who has played a key part within the group since 2011, said: "In recent years, SIG has played a pivotal role in driving innovation within the industry. As part of its restructure, the group will look to continue providing valuable opportunities for members. I am looking forward to building on the existing success of the forum; our goal is to become an invaluable resource for the satellite industry as an incubator of innovation."

Andreas Voigt (Eutelsat), Guido Baraglia (Kratos Communications), and Mark Steel (Inmarsat) will resume their roles as directors of the group. Alongside Martin Coleman, the SIG advisory board includes representatives from ArabSat, GOVSAT, Intelsat and SES. Welcoming the appointment, Board Advisor, Martin Coleman, said: "Ensuring that SIG remains a leading industry group is hugely important, and this restructuring is allowing the group to enhance its offerings and deliver a flexible and dynamic platform to its members." "Appointing Helen has been an obvious choice - her experience within business paired with her dynamic approach to the industry will see her leading the group to success. Her knowledge partnered with the technical expertise of the directors and advisory board will see SIG thrive in the years to come," he said.

SIG has introduced an updated membership structure, with both start-up and academic membership tiers to promote the group's accessibility.

As part of the restructuring, the organisation has been relocated to mainland UK from the Isle of Man.



Satcoms Innovation Group

Telefonica Selects Eutelsat Hotbird Neighbourhood

Eutelsat Communications has secured a multi-year capacity contract at its flagship HOTBIRD neighbourhood with Spain's leading telecommunications operator, Telefonica.

Telefonica has selected Eutelsat's key orbital position at 13° East to broadcast RTVE free-to-air content consisting of two HD channels: TVE Internacional Europa, the world's farthest-reaching Spanish general interest channel, and the news channel, 24 Horas, as well as six RNE (Radio Nacional de España) radio stations. RTVE will shortly benefit from the unrivalled audience of this hotspot covering Europe, the Middle East and North Africa. These channels were previously distributed on the 19.2° East orbital position.

Philippe Oliva, Eutelsat's Chief Commercial Officer: "We are proud to have been selected by Telefonica to broadcast the content of a major public broadcaster on HOTBIRD. This demonstrates both the benefit of satellite as a broadcast infrastructure and the attractiveness of HOTBIRD as a key neighbourhood across Europe and the MENA region."

Francisco Panduro, EMEA Sales Manager, Telefonica Audio-visual Services: "Thanks to this partnership with Eutelsat, we are delighted that Spanish and Hispanic households



Photo: Shutterstock

across Europe will soon be able to enjoy a rich offer of video and radio content from both TVE and RNE."

Eutelsat enables clients across video, data, government, fixed and mobile broadband markets to communicate effectively to their customers, irrespective of their location.

Yahsat Appoints Al Qubaisi Chairman

Yahsat has appointed Khaled Al Qubaisi, CEO of Aerospace, Renewables & ICT at Mubadala, as its new Chairman.

Al Qubaisi said: "I'm pleased to lead Yahsat's next phase of growth in the space and telecommunications sector. We are committed to realising Yahsat's vision of providing satellite connectivity to consumers, government and commercial clients globally, to contribute in the social and economic growth of our markets, in addition to achieving our commitments towards our clients all over the world. This is an exciting time for us at the forefront of the 4th Industrial Revolution as we create revolutionary



Khaled Al Qubaisi, Chairman, Yahsat

technologies and solutions disrupting our industry."

Through his role in Mubadala, Al Qubaisi oversees the company's aerospace, information

communications technology, renewables and utilities portfolio, he is also a member of Mubadala's Investment committee. He brings strategic and management experience having held multiple Board and C-suite roles.

The company has also announced the appointment of Amal Al Ameri, Senior Vice President of Platform Finance in the Aerospace, Renewables & ICT Unit in Mubadala as a board member.

Al Ameri joins the board, bringing extensive financial and operational expertise having served in several senior financial roles and multiple boards at Mubadala and its wholly owned subsidiaries, respectively.

Elon Musk SATELLITE 2020 Keynote

Elon Musk, the Founder and Chief Executive of SpaceX, has been confirmed as a keynote speaker at SATELLITE 2020.

Musk, who is Chief Engineer of SpaceX, also leads Tesla, and has founded or co-founded SolarCity, OpenAI, Neuralink, and The Boring Company.

The keynote will take place on Monday, 9 March at 4pm. It should be noted that only conference pass holders will have access to the keynote.

The SATELLITE 2020 Conference has almost 300 speakers booked to examine the key topics facing both the

satellite industry and the end-users. **SATELLITE2020**

The SATELLITE 2020 program pledges to immerse attendees "in the expansive satellite and space community, with forward-looking themes throughout the sessions, technology and business updates to keep you abreast of trends in the marketplace and technical content that peeks behind the curtain on some of the most innovative advancements in the industry".

Further details on registration and event packages visit the website at www.satshow.com.



Keynote speaker
Elon Musk

SATELLITE 2020 will be held at the Walter E. Washington Convention Center in Washington, DC.

The conference takes place from March 9 to 12, 2020, with the exhibition being held between March 10 to 12, 2020.



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'Delivering Out Of This World Connectivity, Around The World In 2019'

SatADSL reflects on the achievements of the year past, and the future ahead...



As we enter a new decade, we wanted to take the opportunity to reflect on everything SatADSL has achieved this year! 2019 saw us reach new heights as we formed new partnerships, entered new markets, and successfully opened a Point of Presence (PoP) in Singapore! We also travelled across the globe to promote our outstanding solutions, with SatADSL maintaining a strong presence at key industry events.

Around the world in 365 days

In May, we began our world tour by heading to Washington for SATELLITE 2019. It was our first time exhibiting at the event, and it was an honour to also be one of the three finalists for the World Teleport Association's 2019 Teleport Technology of the Year award. The nomination highlights our strengthening position as a leading provider of an internationally recognised solution which is proven in enabling Satellite Operators maximise their bandwidth.

We then had the pleasure of attending CommunicAsia in June in Singapore. This was another first for SatADSL and was an essential event for us, as we begin our expansion into Asia, particularly with our Platform as a Service (PaaS) offer.

In September, our very own Caroline De Vos also won the Woman of the Year Award at the Global Women in Telco & Tech Awards 2019, recognising the innovative and inspiring work Caroline does for SatADSL and communities across the globe.

One of the most significant events in the satellite industry's calendars, IBC 2019, took place in Amsterdam in September, and it offered us the perfect opportunity to introduce our



Woman of the Year, Global Women in Telco & Tech Awards 2019, Caroline De Vos, Co-Founder, SatADSL

new Chairman to our Board of Directors, Serge Van Herck. We are all delighted to welcome Serge to the team and look forward to working with him as we enter the New Year.

Finally, in our effort to leave no continent unvisited, we headed to AfricaCom in November. SatADSL began in Africa back in 2010, and we now have 80 local partners and distributors across the region. At the event, we highlighted the expansion of our coverage and installation of our PoP's and talked about our unique selling points, true differentiators in the market, such as how we can offer satellite vouchers based connectivity and VNOFlex solutions.

We look forward to revisiting all the events again in 2020. Attending these five main shows is an excellent chance for us to network with current and potential local clients, and to maintain our relationships with our partner's providers. By creating new contacts, we are able to expand our connections even further, all whilst offering more coverage in various frequency bands, such as Ku, Ka, and C.

Reaching new heights of connectivity

Expanding connectivity is always a priority at SatADSL. It has been very exciting to secure connections in Africa, the Middle East, and Asia and grow our geographical reach wider than ever before.

To begin, we are proud to announce that a new PoP will be launched in Singapore. Thanks to our innovative C-SDP, we can offer operators in Asia satellite services *via* the cloud without adding extra latency. Our modern PoP brought with it a list of possibilities, including the ability to provide pre-paid voucher-based services and operate as a Virtual Network Operator

We are also excited to announce that we will begin offering our service in Latin America in 2020. Using the SES4 satellite with Newtec Dialog technology, we will take the first steps towards our expansion through the opening of our POP in Miami, in Q1.



The SatADSL team

This is particularly exciting as it moves us one step closer to a continent-to-continent connection!

A new year, a new challenge

As we look ahead to 2020, there is no denying that it will be an exciting year as we further expand our business globally. This will include working on the R&D project with the European Space Agency and the EU. Amongst

others, we will be focusing on the readiness of our offering, including the addition of security requirements for governmental, institutional, and defence users as part of the GovSatCom initiative.

Furthermore, we are beyond thrilled to announce that we will be launching our 24/7 satellite service in 2020!

2020 is set to be a massive year for us, which will further solidify all that we have achieved as a company so far. We can't wait to offer our fantastic service to more people than ever before and continue to grow.

We would also like to thank our amazing team for all their fantastic work this year!

SatADSL is made up of 25 great people, from 14 different nationalities, who all come together to create the excellent, innovative solutions we are very proud of. ■

Gilat Demonstrates ESA Terminal In-Flight

Gilat Satellite Networks has demonstrated its In-Flight Connectivity (IFC) Electronically Steered Antenna (ESA) in the first-ever flight on a commercial aircraft.

Hailed as an industry milestone, this was achieved onboard Honeywell's Boeing 757 test aircraft with Gilat's ESA terminal operating over Ka-band capacity on Telesat's Telstar 19 VANTAGE High Throughput Satellite (HTS).

"Honeywell sees the electronically steered antenna as a key future technology, and this test is an important milestone showcasing its potential," said Kevin Calcagni, Chief Technology Officer at Honeywell Connected Enterprise, Aerospace. "We have been investing in this technology for several years, and in parallel look to industry partners to innovate with us. We are pleased to successfully collaborate with Gilat in this pilot that again demonstrates Honeywell's leadership position in the connectivity market."

"Telesat is pleased to join forces with our long-time partner, Gilat, in



Gilat's In-Flight Connectivity Electronically Steered Antenna

achieving an additional remarkable milestone, this time using Gilat's ESA antenna over Ka-band capacity on Telesat's Telstar 19 VANTAGE GEO HTS," said Michel Forest, Director of Systems Engineering for the LEO Program at Telesat. "Gilat's ESA innovations demonstrate the ability to access and unleash the throughput and performance of Ka-band HTS beams with a low-profile antenna as desired by airlines."

Gilat claimed that the high throughput antenna demonstrated remarkable scores with complete gate-to-gate operation. ■

Panasonic Avionics Signs Up with Eutelsat

Panasonic Avionics Corporation, a market leader in in-flight entertainment and connectivity, has signed a multi-year agreement for Ku-band capacity on two multi-beam payloads on the EUTELSAT 10B satellite, due to be launched in 2022. This contract with Eutelsat Communications will enable Panasonic to provide multiple gigahertz of extreme throughput Ku-band connectivity to airlines and their passengers flying over a wide area across Europe, Africa and the Middle East.

Panasonic Avionics Corporation's XTS (eXtreme Throughput Satellite) is an in-flight connectivity service operated from High Throughput Satellites.

Panasonic will continue to optimise its worldwide network and add more state-of-the-art satellite capacity in high-density regions to ensure it can deliver very high performance everywhere its customers fly. This satellite also provides high performance over lower density areas such as Africa.

Ken Sain, Chief Executive Officer of Panasonic Avionics Corporation, said:

"Panasonic Avionics is continuing to invest in its Ku-band connectivity network. This contract with a long-standing partner such as Eutelsat, with whom we already work with globally, illustrates our strategy to constantly expand our worldwide network with additional capacity, to create value for our airline customers and satisfy the needs of their passengers. We have collaborated closely with Eutelsat on this satellite design and we are very excited to see these efforts come to fruition."

Philippe Oliva, Eutelsat's Chief Commercial Officer, said: "We are delighted that Panasonic Avionics has selected us once again to further extend its resources. This capacity commitment on our upcoming EUTELSAT 10B satellite reflects the quality of coverage at our 10° East location as well as our focus on developing competitive solutions to



In-flight connectivity
Photo: Shutterstock

meet growing inflight connectivity needs worldwide."

EUTELSAT 10B will be the second XTS satellite to join Panasonic's connectivity network which has been developed to meet the growing connectivity demands of airlines and their passengers and is designed to place capacity where it's most needed across the globe to meet demand.

Panasonic's connectivity network supports the provision of services such as high-speed internet, live television, video streaming, VoIP applications, 4G

mobile services scalable to 5G, and greater bandwidth for crew applications. The network is backed by Panasonic's Customer Performance Center, which proactively monitors network performance and upcoming maintenance needs 24/7/365 to support airline operational efficiencies.

Approximately 2,200 aircraft flying routes all around the world use Panasonic's global high-speed inflight connectivity service.

Panasonic Avionics Corporation is a leading supplier of in-flight entertainment and communication systems.

The company's solutions, supported by professional maintenance services, fully integrate with the cabin enabling its customers to deliver travel experiences with a rich variety of entertainment choices, resulting in improved quality communication systems and solutions, reduced time-to-market and lower overall costs. ■

WORK Microwave Boosts Maritime Applications

WORK Microwave, a leading European manufacturer of advanced satellite communications equipment, recently announced the results of its technology demonstration with Intellian and Telesat to increase the reliability, performance, and throughput of broadband for maritime applications.

The companies successfully tested a high-throughput data link from Mount Jackson, Virginia to Pompano Beach, Florida using WORK Microwave's AX-80 wideband modem, the Intellian v150NX 1.5m Ka-band wideband antenna, and the Telesat T19 VANTAGE High Throughput Satellite (HTS). During the demo, a wideband 215Mpsps single carrier with 225MHz total bandwidth was used and data rates of 400 to 600Mbps were achieved under ACM at any type of weather conditions. "Having a high-throughput satellite solution at sea is critical for the cruise industries," said Joerg Rockstroh, Director, Digital Products at WORK Microwave. "Working together with Intellian and Telesat, we are excited to offer a highly secure, resilient, and bandwidth-efficient solution for

maritime satellite communications applications. During the test, we delivered 400 to 600Mbps from a single carrier in partially harsh weather conditions, which is unprecedented in the satcom market." The maritime market is handling a growing amount of data, creating a requirement for reliable, cost-effective satellite communications systems. Seamless integration between WORK Microwave's AX-80 wideband modem, Telesat's T19 VANTAGE HTS, and Intellian's v150NX Ka-band antenna ensures that maritime users are well equipped to address these challenges. WORK Microwave's AX-80 wideband modem supports 500 Mpsps bidirectional throughput, enabling exceptional spectrum output and high-quality signal transmission. Featuring a flexible, scalable design, the modem offers full throughput with 256APSK and 3Gbps per direction without any compromises or tradeoffs. Using the AX-80 wideband modem on Telesat's Ka-band HTS, maritime users can optimize the use of high-speed, IP-based broadband access. Telesat's T19 VANTAGE satellite



WORK Microwave and Telesat T19 VANTAGE High Throughput Satellite (HTS)

operates from a prime orbital location of 63 degrees west, delivering unparalleled capacity, performance, and value for satellite broadband requirements at sea across the Americas and Atlantic. Intellian's v150NX is the world's first and only 1.5m Ku-to-Ka convertible VSAT for reliable, high-throughput broadband at sea.

Telesat's (www.telesat.com) state-of-the-art fleet consists of 16 GEO satellites, the Canadian payload on ViaSat-1 and one Phase 1 LEO satellite which is the start of Telesat's planned advanced global LEO satellite constellation that will offer ultra-low

latency, extremely high throughput, affordable broadband services.

Intellian (www.intelliantech.com) is a provider of satellite communications and smart systems for the maritime, industrial, and military sectors.

WORK Microwave's Satellite Communication division develops and manufactures high-performance, advanced satellite communications equipment for telecommunications companies, broadcasters, integrators, and government organisations that are operating satellite earth stations, satellite news gathering vehicles, flyaways, and other mobile or portable satellite communication solutions. ■