APSCC Monthly e-Newsletter
May 2023

The Asia-Pacific Satellite Communications Council (APSCC) e-Newsletter is produced on a monthly basis as part of APSCC's information services for members and professionals in the satellite industry. Subscribe to the APSCC monthly newsletter and be updated with the latest satellite industry news as well as APSCC activities! To renew your subscription, please visit www.apscc.or.kr. To unsubscribe, send an email to info@apscc.or.kr with a title "Unsubscribe."

News in this issue has been collected from April 1 to April 30.

INSIDE APSCC

Terry Bleakley Appointed as APSCC President

In an election taking place over in April, the membership of the Asia-Pacific Satellite Communications Council (APSCC) has appointed Terry Bleakley as APSCC President. The appointment takes effect immediately and continues through the end of April 2025. Bleakley assumes the leadership of APSCC, succeeding Gregg Daffner in the position.

"It is an exciting time in the APAC satellite industry, with so much going on in new space and so many emerging commercial space endeavors," Bleakley said. "I am looking forward, with the support of APSCC members and the Board, to actively engaging in and taking a more prominent role in promoting the mutual interests of the entire industry as well as in helping the Organization achieve its goal to enter a new era."

Bleakley has extensive management experience and expertise in the satellite industry of the Asia-Pacific region. He currently serves in a senior advisory role for Intelsat, based out of New Zealand, involved in strategic initiatives within the company. Bleakley began serving as Intelsat's Regional Vice President, Asia-Pacific in November 2010. In the role, he was responsible for the management of Intelsat's sales and marketing activities throughout the Asia-Pacific region. Prior to the position, Bleakley served as Vice President Sales and Marketing and Vice President, Commercial Operations for MEASAT from 2006 to 2010.

APSCC 2023 Satellite Conference & Exhibition (APSCC 2023), October 10-12, Kuala Lumpur

APSCC Satellite Conference and Exhibition, the largest three-day annual gathering of the Asia Pacific satellite and space community, is your defining platform that brings the industry together for market insight, striking partnerships and concluding business deals. This year the APSCC 2023 Satellite Conference and Exhibition will be heading to KL, Malaysia - Reconnect, communicate, and collaborate on the industry's challenges and opportunities that lie ahead! Regarding sponsorship, exhibition and speaking opportunity, please contact the APSCC 2023 team at apscc2023@apscc.or.kr

APSCC 2022 Webinar Series Continues

APSCC 2023 Webinar Series – the most frequent and largest ongoing virtual conference in the Asia Pacific satellite community – incorporates industry veterans, local players, as well as new market entrants in a single event to reach a wide-ranging audience. The APSCC 2023 Webinar Series continues to play a vital role in supporting the industry in the Asia Pacific region and beyond with a brand-new format, a lengthened timeline, and a potentially unlimited reach. The fourth edition of webinar, "***The Metaverse: Developing Standards & Service Considerations",*** is scheduled for May 16th at https://apscc.or.kr/webinar/.

SATELLITE BUSINESS

OneWeb Signs Contract with Intellian for Flat Panel User Terminals

April 27, 2023 – Intellian Technologies Inc., a global provider of resilient multi-constellation, feature-rich satellite user terminals and communications solutions, and OneWeb, the low Earth orbit (LEO) satellite communications company, announce a contract for the supply of Intellian's OW11FL user terminals with mass-production beginning in Q4 2023. The OW11FL is an Electronically Scanned Array (ESA) flat panel user terminal, ideally suited for OneWeb's Low Earth Orbit network, with the ability to electronically scan over wide field of view to enable seamless beam and satellite handovers. OW11FL is well suited to bring together OneWeb's high speed low latency network capability to offer services for cellular backhaul, community broadband, and civil government applications. The OW11FL joins an ever expanding portfolio of Intellian OneWeb user terminals across maritime and enterprise markets. With six products across Intellian's OW Series to date, the partnership between Intellian and OneWeb has grown significantly since the first contract in 2019 with additional product launches expected over the coming months in order to support OneWeb's land and maritime mobility applications.

Singtel Consolidates Singapore Consumer and Enterprise Businesses and Forms Infrastructure Arm

April 27, 2023 – Singtel announced a reorganisation of its structure designed to drive growth, synergies and productivity at the country level. Central to this is the consolidation of the consumer and enterprise businesses in Singapore into a singular operating company. In addition, Singtel will form a standalone infrastructure unit called Digital InfraCo to include the Group's regional data centre business, subsea cable and satellite carrier businesses as well as Paragon, Singtel's all[1]in-one platform for 5G MEC and cloud orchestration. The moves are part of Singtel's strategic reset and ongoing efforts to restructure and reposition the company for growth. In 2021, Singtel spun off its ICT arm NCS to accelerate its expansion into Asia Pacific as an autonomous business unit. NCS has since grown in size and scope with a 12,000-strong workforce and a regional footprint that extends to Australia. In July 2022, Singtel further decentralised its organisational structure by transferring the management of Optus Enterprise to Australia, effectively giving Optus more operational autonomy and direct accountability.

CNT Ecuador Migrating to SES's O3b mPOWER to Bring Enhanced Internet and Mobile Services to Galapagos Islands

April 26, 2023 – To help Ecuador accelerate its digital inclusion initiative across the environmentally-fragile Galapagos Islands, telecom provider CNT and SES today announced a major Medium Earth Orbit (MEO) satellite capacity expansion agreement to deliver more life-changing broadband connectivity and 3G/4G/5G mobile services to residents, businesses, and tourists throughout the isolated archipelago in the eastern Pacific Ocean. As part of the upgrade agreement, CNT has significantly increased its MEO capacity from 1.5 gigabits per second to 2.5 gigabits on SES's O3b constellation, with plans to migrate to the recently launched next-gen O3b mPOWER system. CNT will leverage the boost in MEO satellite capacity to deliver high-speed Internet access, mobile and Pay TV services to homes and businesses throughout the Galapagos, including the largest island of Isabela. The Galapagos Island chain is about 600 miles off the coast of Ecuador, where SES's O3b satellites have been enabling state-of-the-art connectivity since 2015.

Intellian to Invest $100 Million to Develop Satellite Communication Technologies in Maryland

April 26, 2023 – Intellian Technologies announced their $100m investment into the research and development of satellite communication technologies at the official opening of their Advanced Development Center (ADC) in the City of Rockville in Montgomery County, Maryland. Intellian's role within the satellite communications industry has become increasingly essential in the past 20 years. Their gateways land traffic from communication satellites, with Intellian's user terminals empowering consumer connectivity to these satellite networks. ADC is Intellian's first and only US-

based research and development center, hosting a number of top industry talent for the product development of phased array antennas and user terminals. Growing to a team of over 70 by Q4 2023, this investment will boost economic growth and foster innovation within the state of Maryland and locally in Montgomery County. Developments in satellite technology are making satellite networks far more competitive than ever before and are opening the door to truly global, high bandwidth coverage for everyone. This will empower the most remote communities with access to connect online, and enjoy broadband speeds without the need of a lengthy infrastructure project to install fiber networks.

Astroscale Secures JPY 3 Billion Loan Agreement with Mizuho Bank

April 25, 2023 – Astroscale Holdings Inc. ("Astroscale"), the market leader in satellite servicing and long-term orbital sustainability across all orbits, has entered into a loan agreement of JPY 3 billion (approx. USD 22 million) with Mizuho Bank, Ltd. ("Mizuho Bank"). This agreement will provide Astroscale with additional financial support for its current and future projects, accelerating the company's business development efforts. The agreement is the first for Astroscale with Mizuho Bank, and brings the cumulative debt raised to a total of JPY 11 billion (approx. USD 83 million). It is a valuable opportunity for Astroscale to secure funds through alternative means in a challenging economic environment.

Airbus and SES Demo High-Speed Connectivity for French Navy Using O3b Satellites

April 25, 2023 – In the framework of a contract with the DGA, integrator and global operator Airbus recently carried out a successful sea trial on board aircraft carrier Charles de Gaulle, satisfying the French Navy's need for satellite communications at very high speed and low latency to cope with ever-increasing data exchanges. During a two-week pilot landing qualification training, the companies provided guaranteed carrier-grade high-performance connectivity via SES's O3b MEO (Medium Earth Orbit) link, allowing the Charles de Gaulle crew to access new services for the first time while on a mission out at sea. The demo was made possible thanks to the close collaboration of Airbus, the DIRISI (Joint Directorate of Infrastructure Networks and Information Systems), the DGA, and the French Navy, as well as SES.

Intelsat Strengthens Strategic Partnership and Expands Service Capabilities with Significant Multimillion-Dollar Orders for Gilat's Multi-service Platforms and Terminals

April 24, 2023 – Gilat Satellite Networks Ltd. announced that Intelsat is strengthening its strategic partnership and expanding its In-Flight Connectivity (IFC) and Cellular Backhaul capabilities with significant multimillion dollar orders for Gilat's multi-service platforms and terminals. Gilat's platforms will be used to empower Intelsat with augmented capacity in North America, Latin America, Africa, and Europe to serve additional aircraft and provide an enhanced user experience to passengers. It will also be used to enable Intelsat to support the expansion of managed services with mobile network operators (MNOs), providing additional coverage for satellite-based cellular backhauling.

Ovzon Receives a New Order from SSC for Ovzon SATCOM-as-a-Service

April 21, 2023 – Ovzon received a new order for Ovzon SATCOM-as-a-Service from their partner Swedish Space Corporation (SSC). The service will be delivered during the second quarter of 2023. Ovzon's SATCOM-as-a-Service is the market's leading integrated satellite communications solution. It includes Ovzon's market leading mobile satellite terminals, highly resilient and high-performance satellite networks, and the best-in-industry service and support. With this order, Ovzon further deepens its collaboration with SSC, in the continued dialogue with customers within Swedish government agencies. SSC is also a crucial partner in the delivery of the service.

Intellian Announces Singapore Office Expansion to Accommodate Regional and Global Growth

April 20, 2023 – Intellian Technologies Inc., a global provider of feature-rich, resilient satellite

communication solutions, has announced the expansion of its Singapore office. As Intellian's APAC Headquarters and Logistics Center, the expansion further supports regional customers and gives Intellian the opportunity to host key partners and conduct training for installation engineers. Relocating to a larger development, the new facility is double the size of the previous office. An array of antennas for land, maritime and government sectors have been installed for regional network testing and hands-on training, giving partners unparalleled access to Intellian's evolving product range. Onsite facilities and a nearby warehouse allow for fast and cost-effective product delivery to the APAC market, enabling Intellian to offer best-in-class service to partners across all industries. The new office utilizes Singapore as a global business hub which is well-connected and attracts international trade.

Comtech Secures Strategic Contracts for Hybrid Designed High-Speed SATCOM Solution

April 18, 2023 – Comtech announced today that the company recently secured multiple orders for significant quantities of its CDM-780 high-speed software defined modems. These modems will be delivered to innovative, next generation satellite operators as well as to the U.S. Department of Defense who will be assessing, evaluating, and fielding these modems in a variety of scenarios to enable broad scale government and commercial deployments to provide end users with access to high-speed connectivity in some of the hardest to reach places in the world. Comtech's CDM-780 is one of the highest capacity commercial off the shelf gateway SATCOM solutions available today. Through a software-defined architecture, the CDM-780 is designed to readily adapt and evolve over time to deliver SATCOM services that can transition across high throughput and very high throughput satellite networks, as well as Low Earth Orbit, Medium Earth Orbit, and Geostationary Earth Orbit constellations.

Hughes Introduces Smart Network Edge Software for Mission-Critical DoD Communications

April 17, 2023 – Hughes Network Systems, LLC announced availability of Hughes Smart Network Edge software for defense network operations. Leveraging the company's experience managing widely distributed, multi-transport networks for commercial and government customers, the Hughes Smart Network Edge serves as a virtualized SD-WAN router, interconnecting at the management layer to enable network interoperability across carriers and vendors while meeting U.S. Department of Defense (DoD) security criteria. Optimizing any combination of commercial and military communication networks – including cable, fiber, 5G, Geostationary satellite and Low Earth Orbit satellite – the Hughes Smart Network Edge remotely manages multi-transport modems, autonomously selecting routing paths and distributing packetized data across multiple networks based on policies and priorities. The software also collects Fault, Configuration, Accounting, Performance and Security (FCAPS) data for enhanced situational awareness and policy refinement.

Kratos and ALL.SPACE to Work Together to Develop Advanced Terminal Solutions for Software-Defined Satellite Ground Systems

April 17, 2023 – Kratos Defense & Security Solutions, Inc. and ALL.SPACE announced a strategic partnership aimed at jointly developing and delivering solutions that will enable software-defined satellite ground systems to better leverage the capabilities of next-generation smart terminals. The combined solutions are expected to enhance dynamic operations end-to-end across the ground segment from the gateway to the network's edge, placing more application power in the hands of end users and greatly expanding flexibility beyond today's proprietary, purpose-built, satellite terminals. The space industry is immersed in a renaissance driven by technology breakthroughs such as software-defined payloads, small satellite constellations, multi-orbit services and more. On the ground, advances in satellite networks are occurring as well, including the growth of ground station-as-a-service, virtualized ground systems and the need to better mainstream with terrestrial and cellular communications networks. These advances at both ends of the space/ground connection mean that satellite network systems must come to act more dynamically, adapting on-the-fly to changing needs, conditions and business or mission requirements.

MediaTek and Inmarsat Join Forces on Two-way Satellite Communications Direct to Smartphones, IOT Devices and Cars

April 13, 2023 – MediaTek and Inmarsat have expanded their collaboration to bring ultra-reliable, two-way satellite services to smartphones, IoT devices, automotive and other industries. The two industry leaders are focused on enabling mobile operators, smartphone and other device manufacturers to offer satellite services, such as two-way text messaging, emergency communications, device tracking and monitoring, among other capabilities, without the need for pointing on most devices. The MediaTek/Inmarsat collaboration provides a highly practical approach for the industry, leveraging proven 5G Non-Terrestrial Networks (NTN) standards, existing chip sets and the world's most reliable global satellite infrastructure, allowing a swift introduction of new NTN services. Over the past three-years, Inmarsat and MediaTek have conducted numerous successful live, in-orbit trials of two-way communications to demonstrate the effectiveness of combining their technologies and space assets in real-life applications.

One Sea and ESA to Support the Uptake of Autonomous Shipping in the Maritime Sector, Underpinned by Space Solutions

April 11, 2023 – One Sea and ESA have decided to establish a strategic collaboration to promote the development of new space-enabled services which will support the maritime sector's transition towards autonomous shipping. Autonomous shipping offers new opportunities to deploy safe, commercially viable, and environmentally sustainable maritime operations. Satellite communications and satellite navigation play a key role in the adoption of autonomous shipping technologies and operations. During offshore passages, ships are often further from land than satellites which can offer invaluable secure and resilient communication channels for monitoring, command, and control of autonomous ships. Furthermore, in ports and congested areas, high precision Position Navigation and Timing (PNT) provided by satellites is also critical for the safe operation of autonomous shipping. This new partnership will combine One Sea's unique expertise in the maritime sector and in autonomous shipping with ESA's technical competence and mandate through the Business Applications and Space Solutions programme to support the development and demonstration of space solutions in addressing user needs.

Perdana Petroleum Berhad Picks MEASAT for Managed Bandwidth Services

April 5, 2023 – MEASAT Global Berhad has successfully secured a contract with Intra Oil Services Berhad ("Intra Oil Services") for the provision of Mobility Managed Bandwidth Services for broadband access and VoIP phone lines. The contract will cover up to 50% of the fleet operated by Intra Oil Services, a wholly-owned subsidiary of Perdana Petroleum Berhad ("Perdana"). The vessels will benefit from reliable and high-speed broadband connectivity enabled by the deployment of innovative, electronically-steered flat panel antennae, even while in motion. This deployment improves installation and maintenance efficiency, while providing the crew with robust satellite broadband connectivity. The Mobility Managed Bandwidth Service is expected to greatly enhance the communications and operational capabilities of the vessels operating in Malaysian territorial waters for the upstream oil and gas industry. MEASAT's Mobility Managed Bandwidth Services are available across the entire fleet of MEASAT satellites and are suitable for communications on the move or on the pause. This service allows customers to maintain focus on their core business activities whilst leaving connectivity solutions to be managed by MEASAT – improving operation costs and lowering investment risks.

Comtech Welcomes Descartes Labs as New EVOKE Technology Partner

April 5, 2023 – Comtech announced that Descartes Labs will become the Company's third publicly revealed EVOKE technology partner. As the third publicly announced EVOKE technology partner, Descartes Labs will work with Comtech to infuse the power of artificial intelligence (AI), Machine Learning (ML), predictive intelligence, and monitoring insights across Comtech's business verticals. Such data services and solutions are intended to serve Comtech commercial and government

customers across the globe and represent a cornerstone of Comtech's commitment to continually improving the customer experience with innovative services and solutions. EVOKE is Comtech's Innovation Foundry, which is led by the company's Chief Growth Officer, Anirban Chakraborty, and is dedicated to creating and accelerating transformational changes across the global technology landscape. EVOKE engages with customers, partners, and suppliers to push the boundaries of technologies that will lay the foundation of connectivity as well as shape future societies and ecosystems.

NTT and SES Partner to Deliver Satellite-based Edge and Private 5G Solutions

April 4, 2023 – NTT Ltd., a leading global IT infrastructure and services company, and SES announced a multi-year partnership to use SES satellites to deliver NTT's Edge as a Service to enterprise customers. The collaboration will bring together NTT's expertise in networking and enterprise managed services with SES's unique satellite capabilities to deliver reliable connectivity to enterprises that must meet surges in connectivity demand or are based beyond the reach of fixed terrestrial networks. The unique offering combines NTT's fully managed Private 5G and Edge Compute with SES's second-generation medium earth orbit communications system – O3b mPOWER – to provide expanded and reliable connectivity. This solution is intended for companies operating in regions where terrestrial networks are lacking and enterprises wanting to leverage high-performance connectivity to increase their efficiency and grow revenue. Through the combined versatility of Private 5G networks and satellite technology, this end-to-end solution is expected to propel industries – such as energy, mining, maritime, manufacturing, industrial, etc. – that have otherwise been limited by connectivity today and will need to ramp up their digital transformation plans and increase revenue streams.

Satixfy Announces Successful Demonstration for its New Antenna Together with OneWeb Technologies and Air Force Research Lab

April 4, 2023 – SatixFy Communications announced the completion of a contracted demonstration with OneWeb Technologies, and the Air Force Research Lab (AFRL), to demonstrate SatixFy's new antenna for use by the United States Department of Defense (DoD), under its initiative Defense Experimentation Using Commercial Space Internet (DEUCSI). This program was executed in partnership with the U.S. Army. The DEUCSI initiative has been designed to explore new ways to leverage commercial space internet capabilities, in order to support military operations. This contract brings Satixfy in partnership with OneWeb Technologies and the Air Force Research Lab, to demonstrate the capabilities of its new antenna, which is designed to provide resilient, high-speed, and low-latency satellite communications.

Astrocast and Thuraya Strengthen Collaboration through a Strategic Investment in LEO IoT

April 3, 2023 – Astrocast, a leading global nanosatellite IoT network operator announces today that the company has concluded Heads of Terms for an investment agreement with Thuraya Telecommunications Company, the mobile satellite services subsidiary of the UAE's flagship satellite solutions provider, Al Yah Satellite Communications Company PJSC ("Yahsat" or "the Group") The transaction will be in the form of a convertible loan valued at US$17.5 million and marks Thuraya's first investment in a LEO satellite constellation. As part of the agreement, both parties will also look to extend a technical cooperation agreement for another four years that was originally entered between Astrocast and Thuraya in 2019. Astrocast operates a leading global nanosatellite IoT network with a focus on enabling low power wide area connectivity solutions across core industries including Transportation & logistics, Oil & Gas, Utilities, Mining, Forestry, Agriculture, and Maritime. The agreement with Astrocast aims to strengthen Thuraya's positioning in the IoT market and help expedite the execution of its strategy for satellite enabled IoT.

BROADCAST

Televisa Selects Eutelsat to Further Expand Video Coverage over Europe

April 19, 2023 – Grupo Televisahas selected Eutelsat Communications to further expand the reach of its video services in Europe. Grupo Televisa is a Mexican multimedia company and one of the leading Latin American media corporations producing Spanish-speaking content across the globe, especially in Europe. Leveraging Eutelsat's exceptional coverage over the European continent via the EUTELSAT 9B satellite, Televisa entrusts Eutelsat to further strengthen its footprint over Europe with a new multi-year agreement. Eutelsat's 9° East orbital position is home to a powerful satellite optimized for broadcast services. Located at the heart of a fast-growing Direct-to-Home (DTH) neighborhood and cable hotspot, the satellite delivers over 500 TV channels, including 200 in HD. EUTELSAT 9B provides coverage across Europe for TV channels and platforms through an extensive widebeam coverage. Capacity is spread across five footprints, with frequency reuse significantly increasing overall bandwidth.

Eurovision Services to Offer the Best European Sport in Latin America via Hispasat

April 18, 2023 – Hispasat has reached an agreement with Eurovision Services to distribute the best European sport via satellite in Latin America for one year, including the main continental football competitions. In this way, Eurovision Services will deliver the signal of these events to the Hispasat teleport in Lurin (Peru) and, from there, it will be sent to the Hispasat 30W-6 satellite for subsequent distribution to television operators in the region. As part of this service, Hispasat is responsible for the monitoring and supervision of this transmission. Hispasat's satellites located at 30º West and 61º West are in a privileged position for the deployment of services of this type in Latin America. In particular, the Amazonas fleet, at position 61º West, is the benchmark in the region, offering direct-to-home TV to almost two million subscribers.

Arqiva Launches New Platforms for Irdeto

April 18, 2023 – Arqiva, UK-based leading global communications infrastructure and media services provider, has been selected by Irdeto, the world leader in digital platform cybersecurity, to continue their partnership on the delivery of broadcast platforms to an audience of over 21 million people across 50 countries in South and Sub-Saharan Africa. Under the terms of the contract, Arqiva will provide managed services to Irdeto, part of The Multichoice Group, Africa's leading entertainment company. Building on a relationship of over twenty years, the contract will see Arqiva aggregate a mixture of 150 premium SD and HD channels and employ its new hybrid content processing service Arqplex to provide the encoding and multiplexing for 10 broadcast platforms. The impressive line-up includes regionalised channels from Warner Bros Discovery to Paramount, NBCU and BBC services. These platforms will then be uplinked to the IS-20 satellite for direct-to-home (DTH) distribution. Two of the ten platforms have just launched, with the remaining eight expected to go live by April 2024. As Arqplex increases encoding efficiencies, the flexible service will allow Irdeto to increase their channel density across their transponders creating space for new channels. From a sustainability perspective, additional efficiencies mean that the Arqplex system utilises 40% less power than legacy hardware encode and multiplexing systems.

Intelsat Exclusive Satellite Provider for Delivery of PBS Content

April 17, 2023 – Intelsat recently started delivering Public Broadcasting Service (PBS) educational, music and arts content across the continental United States, as part of an exclusive satellite distribution agreement. PBS is a private, nonprofit corporation, founded in 1969, whose members are America's public TV stations. It is a multi-platform media organization that serves America through television, mobile and connected devices and in the classroom. Starting earlier this year, Intelsat's Galaxy 16 Ku-band satellite started delivering iconic PBS content to 156 broadcast affiliates reaching an audience of nearly 50 million primetime viewers. Located at 99W, the performance and reach of Galaxy 16 into North America were key factors in PBS's selection of Intelsat to meet its distribution

needs. Intelsat's Galaxy fleet is the most comprehensive in North America, serving 123 million TV households.

SES Secures €75 Million of Multi-Year Video Contract Extensions

April 13, 2023 – SES announced today that it has signed multi-year capacity agreements totalling more than €75 million in backlog with multiple German private and public broadcasters. The majority of renewals span several years and will enable millions of satellite TV households across Germany to continue watching SD and HD content, reinforcing SES's position as the leading global content connectivity provider. The renewal deals include both private and public broadcasters who are looking to maintain the broadest reach, highest quality and maximum reliability for their video content delivery, including:

- QVC Germany – the live shopping broadcaster is renewing both SD and HD channels
- Seven.One Entertainment Group – the broadcaster's channel offering continues to be available in SD
- Media Broadcast Satellite GmbH (MBS) – the provider of global satellite and terrestrial communications services is renewing capacity for SD channels
- Zweites Deutsches Fernsehen (ZDF) – the public broadcaster is renewing its HD offering
- HIGH VIEW – recently signed an extension with SES and has just launched additional channels

SES's latest video contract extensions illustrate how both private and public broadcasters across Germany are leveraging SES's satellites at the prime 19.2 degrees East orbital slot to directly reach more than 17 million satellite TV homes, surpassing other satellite or terrestrial operators in the country.

Record TV Signs Multi-Year Agreement with Eutelsat

April 12, 2023 – RecordTV has signed a multi-year contract with Eutelsat Communications for capacity on its EUTELSAT 65 West A satellite. RecordTV is a Brazilian media company focused on the content production and its distribution in Brazil and internationally. RecordTV is one of the largest TV networks in Brazil. The partnership enables RecordTV to seamlessly migrate 15 HD channels to the EUTELSAT 65 West A satellite, avoiding interferences generated from the rollout of 5G currently underway in the country. Brazil is implementing 5G within the 3.5GHz band, which is currently used to support satellite TV services in the C-band. EUTELSAT 65 West A's planned C-band is a unique frequency range that is not affected by the 5G rollout. The decision was supported by an extensive analysis conducted by the technical team of RecordTV endorsing EUTELSAT 65 WestT A planned C-band as free of potential 5G interference. The migration of services took place under Eutelsat's 'Planned C-Band' solution, developed to offer Brazilian broadcasters a simple procedure to adapt or replace equipment and repoint antennas to the orbital 65°W position. Planned C band is also named as C-band AP30B frequencies, with frequencies ranging from 4.5GHz to 4.8GHz, starting 800MHz above from 5G frequencies in Brazil. EUTELSAT 65 West A thus enables a cost-efficient geographic expansion for broadcasters as filters do not require to be installed to avoid 5G interference.

SES Selects NOVELSAT BISS-CA Content Protection Solution

April 4, 2023 – NOVELSAT, a global leader in content connectivity, announced today that SES, the leader in global content connectivity solutions, has chosen NOVELSAT Ncrypt, a comprehensive BISS-CA content protection solution, to ensure secure transmission of major global sports events content. The solution will enable SES to enhance the security of its broadcast networks and protect its customers' valuable content from piracy and unauthorized access. NOVELSAT Ncrypt is a standalone encryption and decryption solution that seamlessly integrates with any broadcast network, presenting a cost-optimized and easy-to-use solution. Ideally addressing multi-point media networks requiring superior security, NOVELSAT Ncrypt adds BISS-CA content protection to existing distribution and contribution networks supporting any BISS-CA compliant third-party media delivery equipment.
NOVELSAT Ncrypt encompasses software-based encryption and decryption modules with IP and ASI

connectivity, as well as a powerful operations suite for controlling and operating BISS-CA encryption, dynamic key generation and distribution, and highly flexible entitlement management.

LAUNCH / SPACE

Thales Alenia Space Signs Space Factory 4.0 Contract with Italian Space Agency

April 27, 2023 – Thales Alenia Space has won a contract from the Italian space agency (ASI) to conduct the development of the Space Factory 4.0 program in the frame of the Italian National Recovery and Resilience Plan (PNRR). Thales Alenia Space is leading a consortium including Argotec, CIRA and Sitael, to develop an interconnected system with facilities located across Italy, set to start operations by 2026. As the lead company, Thales Alenia Space will consolidate the country's expertise in the design, production and testing of satellite components. The consortium will call on advanced automation and digitalization to build advanced satellites in particular in the micro and small satellite segment including the Platino and NIMBUS families. The "Space Factory" will offer the specific means and tools to produce advanced satellites in a wide range from large infrastructures weighting hundreds kilograms to satellites down to a few dozen kilograms to be produced in the large quantities implied by new constellation configurations. Space Factory 4.0 facilities will be located in the Piedmont (Argotec), Lazio (Thales Alenia Space), Campania (CIRA), Apulia and Tuscany (Sitael) regions of Italy, and will be interconnected with the entire supply chain – including startups and research centers – creating an advanced production hub for domestic, European and international space programs.

Terran Orbital Receives Milestone Payment for 300 Spacecraft, $2.4 Billion Contract with Rivada Space Networks

April 27, 2023 – Terran Orbital Corporation announced the receipt of a further milestone payment alongside completion of the screening of the industrial partners as well as trade studies that will support the acquisition process and system engineering for the Company's 300 spacecraft, $2.4 billion contract with Rivada Space Networks. Terran Orbital, through its wholly owned subsidiary Tyvak Nano-Satellite Systems, Inc. ("Tyvak"), will design, build, and deploy 288 low-Earth orbit satellites and 12 "spare" satellites to produce a total of 300 spacecraft weighing approximately 500 kg a piece. Terran Orbital will also integrate the communication payload and perform the final satellite assembly, integration, and test. Terran Orbital will develop portions of the ground segment as well. With the official onboarding of the partners now complete, Rivada has taken another important step toward the installation of its constellation. The deployment will begin with the launch of a Terran Orbital-developed demonstrator mission by the end of 2024, consisting of four satellites across two orbital planes and including regenerative payloads and laser communication terminals on the satellites. The "Demonstrator Mission" (not part of the later 300 satellite LEO constellation) will support the verification of gateway-less transmissions from one user to another, routed within a small network of four satellites in space. Mission operations for the on-orbit satellites will be conducted from Terran Orbital's state-of-the-art satellite operations control center.

ArianeGroup, Eutelsat and Magellium Selected to Improve French Space Surveillance Capabilities

April 24, 2023 – ArianeGroup, Eutelsat and Magellium have won a contract from the French space agency (CNES), as part of the space component of the France 2030. Investing for the Future plan, with the aim of enhancing space surveillance capabilities in order to substantially improve the security of space operations. The consortium will provide CNES with a Space Situational Awareness (SSA) data service through the deployment of multi-orbital optical sensors, and the development and implementation of an optical space segment in geostationary transfer orbit (GTO), to complement and enhance the performances of the existing ground-based network operated by ArianeGroup. ArianeGroup is the prime contractor on this project and will supply the surveillance services provided by its ground-based network of telescopes, supplemented by data from the spaceborne sensor that will be developed during the project and then interconnected to ArianeGroup's system. Eutelsat, as

co-contractor, will design, procure, and operate the first satellite in this space segment and supply the data. Eutelsat has therefore partnered with Sodern, which will draw on its experience in the development and production of cameras for SSA applications to design and build the onboard space sensor. Magellium, also a co-contractor on the project, will develop the image processing for use on different types of optical payloads. Magellium was founded in 2003, based on independent and sovereign expertise in space image processing and its downstream applications.

ST Engineering Launches Its First SAR Satellite

April 22, 2023 – ST Engineering has launched its first polarimetric synthetic aperture radar (PolSAR) satellite, TeLEOS-2. Developed in partnership with Singapore's Defence Science and Technology Agency (on behalf of Government of Singapore), TeLEOS-2 features a made-in-Singapore SAR payload and is able to capture both day and night images under all-weather conditions in high resolutions, with full polarimetry for a wider range of satellite data applications. This will enhance ST Engineering's commercial satellite imagery solutions, providing multi-modal and high responsiveness features to its customers. Operating in near-equatorial orbit (NEqO) at 10 degrees inclination, the satellite offers 1m high-resolution imagery with an average of 14 passes a day, offering enhanced and wider coverage of many major shipping routes, as well as disaster-prone and forest-fire regions. This provides numerous opportunities for customers in applications such as disaster monitoring and management, environmental monitoring, natural resource exploration and management, climate change and weather studies. Notably, the PolSAR payload allows the satellite to penetrate cloud and precipitation and capture both day and night images under all-weather conditions. This also allows for improved monitoring, mapping and quantification, as well as multiparameter details of different surfaces. The 750kg TeLEOS-2 was successfully launched at 4.50pm (Singapore time) from Satish Dhawan Space Centre SHAR, Sriharikota, India.

Space Force Awards Astra New Launch Order for Rocket 4

April 21, 2023 – Astra Space, Inc. ("Astra") announced today that it has been awarded a launch task order for Rocket 4 through the United States Space Force's Orbital Services Program (OSP)-4 contract. "The Space Force deliberately structured the OSP-4 contract to leverage emerging launch solutions for mission partners like the DoD Space Test Program," said Lt. Col. Justin Beltz, chief of Space Systems Command's Small Launch and Targets Division. "Today's award reflects the tremendous promise industry is bringing to the table with systems like Rocket 4. We look forward to working with Astra to make this launch a success." The STP-S29B mission is a Category 2 Mission Assurance launch, which will entail substantial efforts from Astra in tandem with the Government team and its independent mission assurance contractors to support a mission designed for success.

DISH TV Adding to Fleet with New Maxar Satellite Order

April 18, 2023 – Maxar Technologies, provider of comprehensive space solutions and secure, precise, geospatial intelligence, received an order for a direct broadcast satellite from DISH, designated ES XXV. This geostationary (GEO) communications satellite will be operated by DISH and deliver content across North America. ES XXV will be built on the proven Maxar 1300TM series platform at the company's manufacturing facilities in Palo Alto and San Jose, California. ES XXV will be equipped with a high-power, multi-spot beam payload, allowing DISH to provide high-quality content to its customers. ES XXV joins a fleet of Maxar spacecraft in orbit. Since 1999, Maxar has manufactured 11 satellites for DISH TV's fleet, including several of the largest commercial satellites ever built.

Three Spire Global Satellites Successfully Launch on SpaceX Transporter-7 Mission

April 17, 2023 – Spire Global, Inc., a leading global provider of space-based data, analytics and space services, successfully launched three satellites on the SpaceX Transporter-7 mission from Vandenberg Space Force Base on April 16. Spire Space Services, the Company's Space as a Service business, launched two 6U satellites for its customers. Spire launched a satellite developed for King Abdullah University of Science and Technology (KAUST), which aims to collect high-quality and high-resolution

data across global terrestrial, coastal and ocean ecosystems and to help observe and characterize natural resources. Spire also launched ADLER-2, the second satellite developed in partnership between the Austrian Space Forum (OeWF), a national space research organization, and Findus Venture GmbH, an Austrian investor in new space technology. Spire also launched one satellite to support its data solutions business, which encompasses the tracking of maritime, aviation, and weather activity from space. Spire's data solutions constellation is fully deployed with high asset utilization and only requires about $10-12 million per year of capital expenditures to maintain.

Ariane 5 Successfully Launches the JUICE Space Probe for ESA

April 14, 2023 – On Friday, April 14, 2023 at 09:14 am local time, an Ariane 5 launcher, operated by Arianespace, successfully lifted off from Europe's Spaceport in Kourou, French Guiana, carrying the European Space Agency (ESA) JUICE space probe. The spacecraft, built by Airbus Defence and Space for ESA, will carry out Europe's first mission to Jupiter. It will spend at least three years making detailed observations of the planet's icy moons: Europa, Ganymede, and Callisto, which will arrived in july 2031. JUICE will study the moons as potential habitats for life, addressing two key questions: what are the conditions for planet formation and the emergence of life, and how does the solar system work? The propulsion system for the JUICE spacecraft was developed, built, and integrated in Germany by ArianeGroup's Orbital Propulsion teams, and comprises the 400 N main engine to be used for Jupiter orbit injection, 20 small thrusters, and two titanium propellant tanks. After this mission, one Ariane 5 launch remains before Ariane 6 takes up the baton, supporting Europe's institutional missions and meeting the rapidly growing needs of the commercial market.

Intelsat to Extend Life of Satellite with new Mission Extension Pod

April 13, 2023 – Intelsat ordered a Mission Extension Pod (MEP) from Northrop Grumman Corporation's SpaceLogistics, which will add life to an Intelsat satellite and provide uninterrupted services to many customers. The MEP "jet pack" will be installed by SpaceLogistics' mission robotic vehicle (MRV) on an Intelsat satellite operating in geosynchronous orbit, ensuring continuity of satellite service for at least six years beginning in 2026. Intelsat has not identified which satellite will be serviced. Both MEP and MRV have completed critical design reviews, are in assembly and testing, and are proceeding toward launch. This recent purchase continues Intelsat's legacy of space sustainability first instituted in 2020 when SpaceLogistics' Mission Extension Vehicle (MEV-1) performed the first-ever in-orbit commercial spacecraft docking with Intelsat 901 (IS-901), extending its life for another five years. In 2021, a second Mission Extension Vehicle (MEV-2) began providing similar life-extension services for Intelsat 10-02.

L3Harris to Build Geostationary Weather Satellite Sensors for Japan

April 13, 2023 – Under the terms of the contract with the Mitsubishi Electric Group, L3Harris will build and deliver an advanced imager and sounder for JMA's Himawari-10 satellite. The imager will use a similar technical platform as L3Harris' Advanced Baseline Imager (ABI) on NOAA's Geostationary Operational Environmental Satellite-R (GOES-R). The imager will also carry enhancements beyond its predecessor, Himawari-8/-9, including tailored Japanese spectral bands to supply the most advanced geostationary weather information for the international community. The addition of a next-generation hyperspectral infrared sounder on the Himawari-10 mission will provide improved weather prediction accuracy and enhanced environmental monitoring for extreme weather events impacting Japan. This includes enabling precise measurements, such as temperature, moisture and pressure, throughout the atmosphere.

Relativity Space Shares Updated Go-To-Market Approach for Terran R, Taking Aim at Medium to Heavy Payload Category with Next-Generation Rocket

April 12, 2023 – Relativity Space revealed plans for Terran R, its reusable, 3D printed, medium-to-heavy lift orbital launch vehicle. Building on over seven years of Relativity Space's experience, learnings, and momentum gathered through its Terran 1 program – the world's first 3D printed rocket

to fly and reach space – Relativity is accelerating the company's focus on Terran R to meet significant and growing market demand. Terran R also represents a large leap towards Relativity's mission to build humanity's multiplanetary future, eventually offering customers a point-to-point space freighter capable of missions from the Earth to the Moon, Mars, and beyond.

Rocket Lab to Launch NASA's Cyclone-Tracking Satellite Constellation from New Zealand

April 10, 2023 – Rocket Lab announced it will launch NASA's TROPICS constellation across two dedicated Electron missions lifting off from Launch Complex 1 in New Zealand next month. The TROPICS constellation (Time-Resolved Observations of Precipitation Structure and Storm Intensity with a Constellation of Small Sats) will monitor the formation and evolution of tropical cyclones, including hurricanes, and will provide rapidly updating observations of storm intensity. This data will help scientists better understand the processes that effect these high-impact storms, ultimately leading to improved modelling and prediction. The two missions are expected to launch within approximately two weeks of each other in May 2023. The constellation, which is part of NASA's Earth System Science Pathfinder Program, consists of four CubeSats that require launch to a specific orbit at an altitude of 550 kilometers and inclination of about 30 degrees. All four satellites need to be deployed into their operational orbit within a 60-day period, making Electron the ideal launch vehicle as it enables dedicated launch to unique orbits on highly responsive timelines. The two missions were initially scheduled to lift-off from Launch Complex 2 at the Mid-Atlantic Regional Spaceport within NASA's Wallops Flight Facility in Virginia but will now take place at Launch Complex 1 in New Zealand to support a Q2 launch window that will see the satellites reach orbit in time for the North American 2023 hurricane season.

Intelsat 40e High-Throughput Satellite Successfully Launched

April 7, 2023 – Intelsat announced the successful launch of Intelsat 40e (IS-40e), a geosynchronous satellite that relies on spot-beam technology to provide a large amount of capacity over North America for Intelsat's commercial aviation, mobility and network service customers. The Maxar-manufactured IS-40e satellite launched aboard SpaceX's Falcon 9 rocket from Cape Canaveral Space Force Station in Florida at 12:30 a.m. EDT. When operational in May, IS-40e will be positioned at 91 degrees West and deliver a wide range of services and coverage, including: Incremental high-throughput capacity will be added into Intelsat's commercial aviation network, providing passengers with an enhanced user experience from coast-to-coast; High-speed connectivity will be added into Intelsat's Flex network to support growth for on-the-go industrial operations, rapid response missions, maritime, offshore communications, inflight connectivity for business jets and government aviation; Enterprise customers will see higher speeds and better coverage for strengthening SD-WAN and other network services; Cellular customers will be able to leverage more capacity to deliver 4G/LTE and 5G services for rural and remote areas and where seasonal demand and disaster recovery service is needed.

KOREASAT 6A to Embark a Satellite-Based Augmentation System (SBAS) Payload Built by Thales Alenia Space

April 6, 2023 – Following the communications satellite contract signed in September 2022, KT SAT Corporation Ltd. (KT SAT), the leading satellite service provider in South Korea, and Thales Alenia Space are announcing today that KOREASAT 6A will also embark a satellite-based augmentation system (SBAS) payload to improve the continuity and availability of the Korea Augmentation Satellite System (KASS). Developed since 2016 by Thales Alenia Space jointly with the Aerospace Research Institute (KARI), KASS is similar to the European Geostationary Navigation Overlay Service (EGNOS). It improves the positioning and navigation performance provided by global navigation satellite systems (GNSS) for a number of different sectors, especially aviation. It has been developed to meet international standards by International Civil Aviation Organization (ICAO), improving the accuracy and reliability of global positioning system (GPS) signals and better ensure flight safety and efficiency, while also reducing the environmental impact of air travel. KOREASAT 6A will replace the current

KORESAT 6 satellite and will deliver both fixed satellite service (FSS) and broadcasting satellite service (BSS) to South Korea. It will be positioned in geostationary orbit at 116° East. Built on Thales Alenia Space's proven Spacebus 4000B2 platform, KOREASAT 6A will be fitted with six BSS transponders and twenty FSS transponders to cover all of South Korea. Slated for delivery in the fourth quarter of 2024, KOREASAT 6A will weigh about 3.5 metric tons at launch and offers a design life of 15 years.

Lockheed Martin Selected as Preferred Bidder for JP9102

April 3, 2023 – Lockheed Martin welcomes today's announcement that it has been selected by the Commonwealth of Australia as the preferred bidder for Project JP9102, the Australian Defence Satellite Communications System. The multi-billion dollar JP9102 project will provide the Australian Defence Force (ADF) with a sovereign military satellite communications (MILSATCOM) system defined by its extensibility, agility and resilience. Lockheed Martin will leverage its deep experience in space-based mission solutions and resilient satellite communications networks for its JP9102 offer. Lockheed Martin has assembled a diverse team of Australian companies including Inovor Technologies, EM Solutions, AV-Comm, Linfox, Shoal Group, Ronson Gears, Calytrix Technologies, Conscia, Clearbox Systems, DXC and Blacktree Technology to deliver ground and control segments and beyond for JP9102. Lockheed Martin has also partnered with the Victorian Government to establish Victoria as the engineering and technical hub for the company's JP9102 solution, an investment that will create more than 200 advanced space industry jobs in the state. As another example of the priority placed on workforce development, Lockheed Martin Australia recently launched a space-focused education program with STEM Punks, a STEM education initiative to educate upskill and inspire Australia's future workforce.

EXECUTIVE MOVES

Space Industry Veteran Nicole Robinson Joins Comtech's Executive Leadership Team

April 19, 2023 – Comtech announced the appointment of space industry veteran Nicole Robinson as a Chief Strategy Officer. With nearly two decades of leadership experience in the space industry, Robinson brings deep expertise and differentiated knowledge across public, private, government, and commercial space sectors that are well aligned with Comtech's strategic priorities and global growth trajectories. Prior to joining Comtech, Robinson served as President of Ursa Space Systems, a leading satellite intelligence and data analytics provider, where she was responsible for taking the company from a start up to a scale up by accelerating growth globally while also optimizing operations. Previously, Robinson served as Senior Vice President of Global Government for SES, the largest commercial satellite operator in the world.

Viasat Announces K. Guru Gowrappan as President

April 13, 2023 – Viasat Inc. announced today that K. Guru Gowrappan has been appointed as the new company President, effective April 13, 2023. As President, Gowrappan will work closely with Mark Dankberg, Viasat's Chairman of the Board and CEO in leading Viasat's global operations and the company's growth strategy. Gowrappan brings over 20 years of exceptional executive leadership and technology experience in creating, operating and growing consumer internet media, transactional and subscription-based products. His diverse background across different technology sectors, coupled with a product-driven mindset, enables Gowrappan to deliver innovative customer-first experiences that create value for brands and partners. Previously, Gowrappan was CEO of Verizon Media Group, the media division of Verizon Communications, Inc., consisting of leading brands such as Yahoo, HuffPost, TechCrunch and others. Earlier in his career, he held various leadership roles, including a focus on international growth initiatives at Alibaba and Zynga. He also brings a very successful track-record in value creation via large-scale M&A and integrations. He has established a reputation for data driven operational efficiency and innovative business strategies, while enabling an engaged and focused team.

Astroscale Japan Appoints Bert Izutsu as Vice President

April 13, 2023 – Astroscale Japan Inc., a subsidiary of Astroscale Holdings Inc., the market leader in satellite servicing and long-term orbital sustainability across all orbits, announces Shunji "Bert" Izutsu as Vice President, effective April 15, 2023. In this new role, Izutsu will be engaged in the company's various operational matters, assisting Astroscale Japan's Office of the President & Managing Director. Izutsu comes to Astroscale with more than 30 years of experience in the defense and aerospace sectors. He most recently served as 36th Chief of Staff of the Japan Air Self Defense Force, from August 2020 to March 2023. He held several other key commander positions in the Japan Air Self–Defense Force, Ministry of Defense, including Commander of the Air Defense Command, Commander of the Western Air Defense Command and Commander of the 6th Air Wing. In addition to staff positions in the Air Staff Office, he served in the Japan Cabinet Secretariat, and he began his career as a pilot in the Japan Air Self-Defense Force.

iDirect Government Names Tim Winter as Interim President

April 5, 2023 – iDirect Government (iDirectGov), a leading provider of satellite communications to the United States military and government, has announced that Tim Winter has been named interim president by the iDirect Government Proxy Board, replacing John Ratigan as president as of April 3. Previously vice president of global accounts and global government and defense at ST Engineering iDirect, the parent company of iDirect Government, Winter managed its strategic global account engagements and captured pursuits for international defense opportunities. Prior to joining ST Engineering iDirect, Winter managed businesses across the defense industry at L-3 Communications and Northrop Grumman.

Martin Sion Appointed Chief Executive Officer of ArianeGroup

April 3, 2023 – The Board of Directors of ArianeGroup, on the recommendation of the shareholders, has appointed Martin Sion as Chief Executive Officer (CEO), effective April 4. Martin Sion, who has over twenty years of experience in the Space industry, was previously CEO of Safran Electronics & Defense and has been a member of the ArianeGroup Board of Directors since April 2020. Martin Sion started his career in 1990 as a design engineer with the Société Européenne de Propulsion (SEP, now part of ArianeGroup). He held a variety of positions within SEP until 2006 when he joined Snecma (now Safran Aircraft Engines) as head of improvement initiatives. In 2009, he took over responsibility for the "Accessories and controls" center of excellence at Snecma's industrial division and was subsequently appointed Director of the space engine division. In July 2013, he became Chairman and CEO of Aircelle (now Safran Nacelles) which he held until June 2015. Since June 2015, he has been CEO of Safran Electronics & Defense, a subsidiary of Safran, which brings together civil and military activities around optronic, inertial, electronic and electromechanical technologies for the civil aviation, space and defence industries.

REPORTS

Euroconsult Published 'Space Logistics Market' Report (2nd Edition)

April 17, 2023 – An emerging set of in-orbit services aimed at increasing flexibility, sustainability, and safety for satellite operators from launch to end of life, could materialize into a space logistics ecosystem featuring frequent service interactions between spacecraft in orbit, according to leading space consultancy and market analysis firm Euroconsult in its recently published '*Space Logistics Market' report (2nd edition)*. The report covers six market verticals (involving over 50 suppliers over the world) including Access to Space, Last Mile Delivery (LMD), Satellite Life Extension, Active Debris Removal (ADR), On-orbit Assembly and Manufacturing (OOAM) and Space Situational Awareness (SSA), all of which stand at different stages of maturity.

NSR Releases Starlink Maritime Service: Strategies for Service Providers Report

April 11, 2023 – There is no denying that Starlink has become the talk of the town within the

maritime industry. End-users are eager to understand the opportunities this new service can unlock for their organization, while service providers are left wondering whether Starlink is a threat or an opportunity. It's becoming increasingly clear that maritime service providers cannot afford to ignore the enthusiasm and momentum surrounding Starlink. Instead, our new strategy report NSR's *Starlink Maritime Service: Strategies for Service Providers*, focuses on how maritime service providers can not only survive but thrive with Starlink.

Euroconsult Counts 2.6 Billion Remained Unconnected to Broadband at the End of 2022
April 11, 2023 – *Universal Broadband Access - A Complete Analysis & Forecast of the Satellite Universal Broadband Access Market (April 2023)* is the second UBA report from Euroconsult offering a complete analysis and forecast of the satellite broadband market. It includes a detailed discussion of the addressable markets, a strategic analysis of the economics and opportunities, a comprehensive market assessment, and a market forecast through 2031 with trends and forecasts broken down by region and vertical market. Premium content is also available with detail on key macroeconomic indicators by country, detail on the number of satellite terminals installed by country, including consumer broadband subscribers, number of Wi-Fi hotspots, and number of cellular backhaul sites, addressable market for satellite forecasts by region, and a satellite universal broadband projects database.

WTA Releases its Newest Research Report, Ground Segment: Just a Service?
April 5, 2023 – Ground-segment-as-a-service can sound like a contradiction in terms. No one has yet invented the data system that can exchange RF with orbiting satellites on its own. Physical communications infrastructure, from antennas and HPAS to modems and digitizers, are required to close the links, not to mention the staffing, expertise and management systems to make it happen. But GSaaS is a reality, and traditional ground segment service providers risk finding themselves in the place of taxi drivers who kept driving around looking for fares while rideshare companies were giving their customers the power to book a ride on their smartphones. In this report, WTA examines the differing business models of today's GSaaS providers, the markets they serve, and the benefits and risks of integrating a teleport's physical and data systems with this new class of service providers.

NSR's SpaceCloud Computing, 4th Edition
April 4, 2023 – NSR's *Space Cloud Computing, 4th Edition (SCC4)* report's comprehensive analysis, in-depth research, and unmatched expertise, provides essential insights into the market that are critical to achieving business goals. With a quantitative forecast of current and future market demand and revenues, SCC4 evaluates the impact of cloud on the value chain, leading to newer business models leveraging inherent advantages such as CAPEX/OPEX reduction, scalability, and ubiquity. NSR's SCC4 offers a unique opportunity to gain a competitive advantage by understanding the latest trends, opportunities, and challenges in the emerging market of cloud computing within the satellite industry.

UPCOMING EVENTS

CABSAT 2023, May 16-18, Dubai, UAE, https://www.cabsat.com/

PITA 27th AGM & Business Forum Expo 23, May 22-26, Port Moresby, Papua New Guinea, https://www.pita.org.fj/events/event-1/

APSAT International Conference, May 30-31, Jakarta, https://apsat.assi.or.id

Satellite Industry Forum, June 6, Singapore, https://www.aviasif.com/

Asia Tech x Singapore 2023, June 6-9, Singapore, https://asiatechxsg.com/

Asia Satellite Business Week, June 7-9, Singapore, https://asiatechxsg.com/satelliteasia/

Australasia Satellite Forum 2023, June 13-14, Sydney, Australia, https://www.talksatellite.com/asf2023one.html

Asia Video Summit, June 20-21, Hong Kong, https://asiavideosummit.com/

World Satellite Business Week, September 11-15, Paris, France, https://wsbw.com/

IBC 2023, September 15-18, 2023, Amsterdam, https://show.ibc.org/

APSCC 2023, October 10-12, Kuala Lumpur, Malaysia, https://apsccsat.com/

OTT SUMMIT, December 8, Singapore, https://ottsummit.asia/

EDITORIALS AND INQUIRIES

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About APSCC

APSCC is a non-profit, international organization representing all sectors of satellite and space-related industries. The aim of the organization is to exchange views and ideas on satellite technologies, systems, policies and outer space activities in general along with satellite communications including broadcasting for the betterment of the Asia-Pacific region. Conferences, forums, workshops, and exhibitions are organized through regional coordination with its members in order to promote new services and businesses via satellite as well as outer space activities. APSCC membership is open to any government body, public or private organization, association, or corporation that is involved in satellite services, risk management or associate fields such as data-casting, informatics, multi-media, telecommunications and other outer-space related activities with interests in the Asia-Pacific region. More information is available at www.apscc.or.kr.