PRODUCTS & SERVICES MARKETPLACE

A guide to key products and services to be showcased at IBC 2019,

September 13-17, RAI Exhibition Center Amsterdam, the Netherlands

Advantech Wireless Technologies
Booth Hall 5 # 5.B28
www.advantechwireless.com

At **Advantech Wireless Technologies**, we design, manufacture and deploy networking for broadband connectivity, broadcast solutions, video contribution and distribution and mobile backhaul, using satellite and terrestrial wireless technologies. Our revolutionary technologies include world-leading GaN technology based high power amplifiers, SSPAs, block-up converters (SSPBs), frequency converters, deployable antennas and terrestrial microwave radios.

Amos Spacecom
Booth Hall 1 # 1.C65
www.amos-spacecom.com

More Coverage. More Throughput. More Services. Across the Middle East, Europe, Africa and Asia. **Spacecom's AMOS** satellite constellation, consisting of AMOS-3 & AMOS-7 co-located at 4°W and AMOS-4 at 65°E, provides high-quality broadcast and communications services across Europe, Africa, Asia and the Middle East. With the successful launch of AMOS-17 at 17°E , Spacecom will further expand its reach, reinforcing its position as a leading satellite operator.

ARABSAT
Booth Hall 1 # 1.B38
www.arabsat.com

Founded in 1976 by the 21 member-states of the Arab League, **Arabsat** has been serving the growing needs of the Arab world for over 40 years, operating from its headquarters in Riyadh-KSA and two Satellite control stations in Riyadh and Tunis. Now one of the world's top satellite operators and by far the leading satellite services provider in the Arab world, it carries over 500 TV channels, 200 radio stations, pay-tv networks and wide variety of HD channels reaching tens of millions of homes in more than 80 countries across the Middle East, Africa and Europe—including an audience of over 170 million viewers in the Middle East and North Africa (MENA) region alone tuned into Arabsat's video "hotspot" at 26°E.

AvL Technologies
Booth Hall 5 # 5.A45
www.avltech.com

AvL Technologies is celebrating 25 years in the satellite communication industry, a milestone for the company. AvL's very first antenna – serial number 001 – is a 1.8m SNG antenna still in operation today, and operates from its third uplink truck at PacSat.

In our booth, we will have on display:

AvL Model 1258KFD Mobile Broadband Transportable Antenna

- A 1.2m, 3-piece segmented reflector, motorized Fly&Drive antenna that fits into a small case making it easy to transport. This antenna can be mounted on to a pick-up truck, SUV or box truck.
- A 1.2m fully-integrated auto-deploy network terminal with a 6-piece carbon fiber reflector, removable boom and band-configurable weatherproof electronics enclosure.
- The newest tripod configuration – 2.4m 2020T motorized transportable flyaway. This easy-to-assemble tripod base with enhanced wind stability operates in C-Band, X-Band, Ku-Band or Ka-Band. This antenna can be assembled by two persons in 15 minutes.
- Our 2.0m ultra-light axi-symmetric antenna with a 12-piece carbon fiber reflector and RF package that consists of a 55W Ku-band BUC, which is located behind the hub.
- The Family of Integrated Terminals in aperture sizes – 0.75m, 0.98m (motorized) and 1.35m. This line of user-configurable and IATA-checkable carry-on terminals are ultra-compact, ultra-lightweight and ultra-high in performance.

C-COM Satellite Systems Inc.
Booth Hall 5 # 5.C55
www.c-comsat.com

Visit **C-COM**'s booth at IBC2019 to see the latest in auto-pointing antenna technology AND to learn more about our electronically steerable phased array antenna progress. Highlighting the latest in C-COM design is the iNetVu® MP-80-MOT, a fully motorized, auto-acquire, 80 cm carbon fiber manpack antenna. This robust and lightweight system will point to any pro-

grammed satellite with just the push of a button on the NEW iNetVu® 8020 Controller. Highly portable, the multi-segment manpack can be easily hand-carried by one person and assembled in less than 10 minutes without any tools.

In addition C-COM will show off the latest in its Driveaway technology. The iNetVu® Ka-75V is our New Generation 75cm, auto-deploy, vehicle-mounted Driveaway antenna that has been "Authorized for use on ViaSat Exede® Enterprise and on KA-SAT NEWSSPOTTER NEWSGATHERING service by Eutelsat." The system is fully automatic and configured with the iNetVu® 7024 Controller to provide fast satellite acquisition within minutes, anytime anywhere.

Configurable with the iNetVu® 7710 Controller, the fully automatic and transportable 98cm Ku-band Flyaway iNetVu® FLY-981, will also be on display. Stop by our booth to learn more!

Comtech EF Data Corp.
Booth Hal 1 # 1.C55
www.comtechefdata.com

For 20+ years, **Comtech EF Data** continues to be the premier supplier of bandwidth-efficient satellite modems, VSAT networking solutions and RF products to MNOs globally in diverse and challenging environments. With infrastructure equipment supporting >60 Gbps of mobile backhaul over GEO, HTS and MEO, we have the experience and product diversity to facilitate value-added and efficient deployments. We closely monitor market trends and have designed our solutions to deliver true benefits to MNOs – the performance needed to reduce required satellite bandwidth, drive down the total cost of ownership, improve quality of experience and deliver the industry's highest KPIs.

COMTECH Xicom Technologies
Booth Hall 1 # 1.C55
www.xicomtech.com

Comtech Xicom Technology provides a broad product line of KPAs, TWTAs, SSPAs and BUCs for worldwide satellite uplink covering C-, X-, Ku-, DBS-, Ka-, Q-band, Tri- and Multi-band with power levels from 8 to 3,550 watts and available in rack-mount and antenna-mount ODU packages.

Comtech Xicom has led in the design and production of millimeter wave TWTAs. Xicom has been shipping high power Ka-band amplifiers since 1997. We have shipped more than 2000 Ka-band amplifiers to military and commercial customers around the globe. We can offer CW amplifiers for TT&C as well as peak amplifiers for multi-channel communications. We offer both outdoor mounted and indoor products to meet our customers' needs

Es'hailsat Qatar Satellite Company
Booth Hall 1 # 1.B49
www.eshailsat.qa

Es'hailSat, the Qatar Satellite Company, is a communications satellite operator headquartered in Doha, Qatar. Es'hailSat was established in 2010 with the goal of managing and developing Qatar's presence in space. The company provides independent, high-quality, advanced satellite services to broadcasters, businesses and governments in the MENA region and beyond.

With the aim to be a truly global satellite operator and services provider, Es'hailSat started the operation of its first satellite Es'hail-1 at 25.5° East in 2013 supporting key broadcasters in the region, beIN SPORTS and Al Jazeera Media Network. Es'hail-2, the company's second satellite was launched on November 15, 2018 and entered in commercial service early 2019 at the 26° East orbital position.

Gazprom Space Systems
Booth Hall 1 # 1.A21
www.gazprom-spacesystems.ru

Gazprom Space Systems (GSS) is a Russian non-governmental satellite operator providing high quality Yamal capacity all over the world. Yamal satellite fleet consists of four satellites positioned between 49E˚ and 183E˚.

Yamal-202 (49°E) has a wide coverage over the Eurasian continent, in particular over Middle East and North Africa. Soon it will be replaced by Yamal-601.

Yamal-402 (55°E) satellite provides Ku-band coverage over Russia, CIS countries, Europe, Middle East and Sub-Saharan Africa.

Yamal-401 (90°E) is dedicated mainly for the Russian market. The satellite is equipped with C- and Ku-band payloads.

Yamal-300K (183°E) has a wide contour fixed Ku-band beam covering the Far East, Pacific Ocean waterways and western coast of North America. The satellite is popular for aeronautic and maritime connectivity.

Hispasat/Hispamar
Booth Hall 1 # 1.A39
www.hispasat.com

The **HISPASAT Group** is composed of companies with a foothold in Spain as well as in Latin America, where its Brazilian

affiliate HISPAMAR, sells its services. The Group is a leading Spanish- and Portuguese-language content broadcaster and distributor, including over important direct-to-home television (DTH) and high-definition television (HDTV) digital platforms.

Mission Microwave Technologies
Booth Hall 5 # 5.A62
www.missionmicrowave.com

Mission Microwave Technologies is developing revolutionary Solid State Power Amplifier BUCs to support ground-based, airborne, and space-based applications. Utilizing the latest in semiconductor technology, we have optimized the size, weight, and power (SWaP) for these critical applications while delivering the best possible reliability. Mission Microwave currently offers advanced GaN BUC products at X-Band, Ku-Band, and Ka-Band from 12W to 400W, and sets the "new standard" for performance and reliability.

ND SatCom
Booth Hall 1 # 1.C37
www.ndsatcom.com

At IBC 2019, **ND SatCom** will be highlighting its **SKYWAN 5G** product which features: One compact device for all applications and network roles; Smallest hub on the market; and supports all kinds of topologie.

The SKYWAN **5G** satellite router is a reliable, flexible and versatile satellite communication platform for customer centric networks. It is a bi-directional MF-TDMA plus DVB-S2X system that supports voice, video and data applications in the most bandwidth efficient manner combined with unrivalled real-time performance.

Newtec
Booth Hall 1 # 1.A49
www.newtec.eu

Newtec is specialized is specialized in designing, developing and manufacturing equipment and technologies for satellite communications. We have been an industry pioneer since 1985, setting standards with the most efficient, scalable, and economical technology solutions. Newtec is dedicated to creating new possibilities for the broadcast, consumer and enterprise VSAT, government, cellular backhaul and trunking and mobility, offshore and maritime markets. We are focused on the delivery of the connectivity mix of the future, enabling new technologies that will benefit from the unique capabilities of satellite such as 5G and OTT. We are ready for a future where HTS and new constellations in LEO will play a much greater role in satellite connectivity. New challenges and customer needs offer opportunities to explore new boundaries. This empowers us to work even harder, helping customers to perform at their best. Together, we can make the world a safer, more informed and connected place.

RF Design
Booth Hall 1 # 1.F45
www.rf-design-online.de

RF-Design is specialized in developing, manufacturing and marketing high quality RF equipment, RF distribution and RF-over-Fiber solutions for the international Satellite-, Broadcast- and Broadband communications market. Our product portfolio includes a wide range of Switch Matrix systems, RF-over-Fiber solutions, Splitters/Combiners, Switches/Redundancy Switches, Line Amplifiers, RF/DVB Signal Quality Analyzers and LNB-supply/control systems...perfectly suited for applications in Teleports, Satellite Earth-Stations as well as for Broadcast- and Broadband RF distribution infrastructures. We also have strong capabilities to design and to manufacture custom-made products and solutions for your individual needs. All our products are developed, manufactured, tested and approved in our own facilities in Lorsch/Germany and characterized by high quality, reliability and superior RF performance.

At IBC 2019 we will demonstrate our new Quad RF-over-Fiber system "QLink" along with our new "FlexLink K4 32:32 Switch Matrix" and the innovative "HQ amplifier series" available as single, quad or 1:1 redundant amplifier. We look forward to welcoming you and to talking about your individual RF equipment requirements.

RSCC
Booth Hall 1 # 1.B31
www.rscc.ru

Russian Satellite Communication Company (RSCC) is the Russian GEO satellite operator with global coverage. RSCC provides a full range of communications and broadcasting services via its own terrestrial telecom facilities and satellite constellation; e.g. video distribution and contribution, DTH, DSNG, broadband Internet access, IP trunking and cellular backhaul, maritime mobility, SCADA, enterprise networks connectivity and other. The company operates various regional satellite TV distribution networks and corporate VSAT networks for fixed and mobile customers.

SatService GmbH
Booth Hall 1 # 1.F47
www.satservicegmbh.de

At IBC, **SatService** will be highlightig its sat-nms product. The sat-nms SMU is the unit you were always looking for in your satellite ground station or satellite head-end. It enables you to perform all kind of signal management in one simple to use and flexible unit.

Up to five of the following modules can be hot plugged into one chassis to handle different applications:

•sat-nms LDCI an adjustable line amplifier and DC inserter with L-Band input level monitoring designed for receive applications like LNB DC Insertion.

•sat-nms TMPS is a Transfer Multipurpose Switch with integrated DC inserter, IF input level monitoring, Waveguide switch drivers and automatic switch functionality for applications like LNB redundancy switching.

•sat-nms UMPS is a highly sophisticated Universal Multipurpose Switch with integrated DC inserter, IF input level monitoring and automatic switch functionality designed for satellite receive applications or signal backup switching.

•sat-nms CS24 is a passive splitter/combiner that provides 2 times 1:4 splitting/combining.

Spacebridge
Booth Hall 1 #1.A57
www.spacebridge.com

SpaceBridge Inc. is an established supplier and global market leader in broadband satellite communications technology. The company develops and provides satellite network equipment and services, VSAT HUBs, Terminals for Point-to-Point, Point-to-Multi-Point, and Mesh typologies, as well as SCPC broadcast modems for GEO & NGSO satellite constellations and Cloud-Based managed services.

Terrasat Communications
Booth Hall 1 # 1.F61
www.terrasatinc.com

Terrasat Communications presents the latest state-of-the-art IBUC for Fly-Aways & COTMs; the IBUC 3. The latest in Terrasat tech is now ultra-lightweight, super compact, available up to 40W & comes with a 3-year warranty. All IBUCs allow the operator to customize configurations & manage alarms & sensors for real-time network management and control. IBUC reliability is baked into the IBUC 3 design and verified through intensive individual unit testing.

UHP Networks
Booth Hall 1 # 1.A91
www.uhp.net

UHP Networks is a leading global manufacturer of advanced VSAT networks and systems. Headquartered in Montreal, Canada, the company has over 380 networks and over 40,000 remote terminals installed in 50 countries. Among its customers are Fortune 500 corporations, major broadcast networks, top-tier US Mobile Network Operators and government agencies. UHP has the industry's first software-defined VSAT router, offering unparalleled processing capability (packets per second, Mbps, TCP sessions) per W of consumed power and superior bandwidth efficiency owing to the industry's most sophisticated TDMA protocol and DVB-S2X signalling. The company won the 2018 VSAT Stellar Award for Best Ground Segment Technology.

Walton Enterprises
Booth Hall 1 # 1.A62
www.de-ice.com

Walton De-Ice, the world's leading designer and manufacturer of satellite earth station antenna (ESA) weather protection solutions, will showcase its all-new Walton ADC-4000 Antenna De-Icing Control System at Satellite. The Walton ADC-4000 makes the operation of Walton hot-air de-icing systems more accurate and efficient than ever, offering potential savings in management and labor overhead for satellite broadcast and head end facilities.

The ADC-4000 Antenna De-Icing Control System adds a new method to actively control the heat within an antenna de-icing enclosure thus allowing for improved control of the antenna surface temperature

Work Microwave
Booth Hall 1 # 1.C51
www.work-microwave.com

WORK Microwave's 3-channel, V-band block upconverter will be on display at IBC. By offering support for higher frequencies, between 47.2 to 51.40 GHz, the upconverter optimizes the use of Ultra High Throughput Satellites (UHTS). Perfect for early laboratory testing, it has already been requested by global satellite operators to support secure, high-performance communications projects. V-band support is available for WORK Microwave's entire range of frequency converters, including IF, block, and tracking. As one of the industry's first SatCom solutions providers to support the full V-band spectrum and the market leader in frequency converters, WORK Microwave leads the industry in helping satellite operators expand their capacity to keep pace with the demanding communications requirements fueled by bandwidth-intensive broadcast and data service.