A guide to key products and services to be showcased at Satellite 2019, May 6-8, Washington, D.C.

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 clients rely on Advantech Wireless to provide smart solutions that deliver fast, reliable and secure communications anywhere in the world. Our revolutionary technologies include world-leading GaN technology based high power amplifiers, SSPAs, block-up converters (SSPBs), frequency converters, fixed and deployable antennas, antenna controllers and terrestrial microwave radios.

ACORDE manufactures reliable and field proven solutions such as compact and lightweight BUCs (X/Ka) and LNBs/LNAs, introducing new and efficient technologies such as GaN, and versatile approaches such as dual and quad sub-bands integrations. ACORDE offers built-to-spec up to Q/V-band under MIL-STD-810G/461E for ground, naval and airborne platforms.

Alga Microwave is a leading supplier of Radio Frequency (RF) and Microwave Solid State Power Amplifier, Pulsed Amplifier for Radar Applications, Transmitter and Transceiver products as well as RF Passive Components and systems.

The current product offering covers all major frequency standards, specifically: for Active Components L, S, C, X, Ku and Ka with frequencies that range from 2.0 to 31.0 GHz and within power spectrum of 5 to 16000 watts and for Passive Components - 500 MHz to 110 GHz. Alga is one of the few companies in the world offering products across this radio frequency and power spectrum. We specialize in products that are designed for each customer individually.

Amphinicy Technologies is a provider of complex software solutions and all-round software support for the satellite and space industry. After 20 years in the business Amphinicy has delivered over 100 projects to international space and humanitarian agencies, leading satellite operators and global satellite service providers, teleports and space mission operation centres, and satellite equipment manufacturers.

Our solutions are usually based around our products:

- BLINK – a fully software-based, ultra-fast satellite telemetry acquisition system for Earth observation. It is modular, flexible and scalable, and can support missions from AIV to operations, with post-processing and reporting capabilities
- Monica – a state-of-the-art ground segment monitor and control solution, built primarily for the satellite industry. It is robust, secure and reliable, demonstrates high performances and can scale from a single ground station to a network of hundreds of thousands VSATs
- SatScout – a powerful mobile application framework for commissioning and certification of VSAT terminals and antennas

Amphinicy operates from offices in Zagreb, Croatia and Luxembourg.

With over 30 years experience in the satellite communications industry, ATCi’s mission is to enhance the customer’s opportunity for profit by providing quality, reliable and cost effective satellite and fiber linked communications components and systems to commercial entities in the US and abroad.

AVCOM of Virginia is a vertically integrated technology
company with 30 years of experience in the design and manufacture of commercial high quality, spectrum analyzers and signal monitoring products, in the USA. At Satellite come see live demonstrations of our products featuring the EVO Series 6-GHz spectrum analyzer.

The New EVO Series is built on Avcom’s completely new technology platform designed for higher performance, agility and growth in a world of ever-changing requirements.

Avcom has designed an SDR-style technology analyzer with a wide bandwidth receiver, employing FPGA, DSP, and high performance processors. The analyzer is based on a hybrid swept-FFT technology which provides extended frequency range and higher resolution.

“Following the Signal”, and listening to our customers, this series is perfectly suited to provide functionality in earth stations, teleports, and RF signal monitoring environments. The EVO Series of analyzers is an excellent addition to the Avcom family of products for demanding applications which require the extended performance characteristics, while still providing Low cost-of-ownership and a highly cost-effective and reliable professional product.

AvL Technologies
Booth # 919
www.avltech.com

AvL Technologies is a very special year for AvL Technologies as we celebrate 25 years in the satellite communications industry. AvL’s first antenna – serial number 001 – is a 1.8m SNG antenna still in operation today, and it operates from its third uplink truck at PacSat. Avl will be highlighting at Satellite the following:

- The newest tripod configuration - 2.4m 2020T motorized transportable flyaway, a nine piece segmented reflector packs into five two-man-lift cases (single band) and can be assembled by two persons in 15 minutes. This easy-to-assemble tripod base with enhanced wind stability is easy to level and operates in C-Band, X-Band, Ku_Band or Ka-Band. With high elevation and wide azimuth ranges, the antenna interfaces with all types of RF electronics and services.
- The 1.35m rugged fully integrated motorized auto-acquisition platform is designed to accommodate current and future modem, RF and satellite frequency options. This line of user-configurable and IATA checkable carry-on terminal is ultra-compact, ultra-lightweight and ultra-high in performance.

C-COM Satellite Systems Inc.
Booth # 1609
www.c-comsat.com

Visit C-COM’s Booth 1609 at Satellite for a live demo of the iNetVu® Ka-98H/JUP. This New Generation .98m auto-deploy, vehicle-mounted Driveaway antenna has been “approved for operation on Hughes JUPITER System” and is convertible from Ka to Ku band.

Also on display, the iNetVu® MP-100-MOT, a fully motorized, auto-acquire, 100cm carbon fiber manpack antenna which is a robust and lightweight (~20kg) system that will point to any programmed satellite with just the push of a button on the NEW iNetVu® 8020 Controller. This highly portable, multi-segment unit can be hand-carried by one person and assembled in less than 10 minutes with no tools required.

Comtech EF Data Corp.
Booth # 1401
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 # 1401**

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 Multiband 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.

Comtech Xicom is the world leader in Q-band HPAs. We have 50, 120, 140 and 200W products. As well as a dual-band Ka/Q band amplifier. We have full mil qualification. V-Band is an emerging frequency of interest due to the vast available bandwidth and the availability of V-band hardware. Comtech Xicom offers a 250W V-Band amplifier for gateway service.

**Hispasat/Hisparmar**

**Booth # 1325**

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 HISPARMAR, 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.

**Integrasys S.A.**

**Booth # 101**

www.integrasys-space.com

Integrasys is a privately owned company specialized on engineering and manufacturing Satellite Spectrum Monitoring systems and VSAT tools in the telecommunication and broadcasting markets. Integrasys was founded in 1990 by a group of Hewlett-Packard engineers experts on Automated RF & Microwaves Test Systems and Software. Since then Integrasys has evolved towards today’s company, offering a wide range of signal monitoring products for different telecom services.

At Integrasys our mission is to provide the industry the best quality and fastest technology available in carrier monitoring systems, with the customer service and care that our customer’s deserve. We want to add value to our customers in quality of service, technology, speed and cost efficiency, by innovating; therefore satellite industry recognizes Integrasys as the leader for innovation in satellite signal carrier monitoring systems and VSAT tools.

**LP Technologies**

**Booth # 1742**

www.lptechnologies.net

LP Technologies is a leader for spectrum analyzers, monitoring and interference detection solutions. LPT offers powerful systems that include hardware software solutions. Combining customer recommendations, constant innovation and 20 years of experience help to create powerful solutions while keeping the cost down. LPT is redefining spectrum monitoring and interference detection.

At Satellite, LP Technologies will be showcasing its LPT-LEO solution, the first automatic monitoring and interference detection software dedicated to monitor Low Earth Orbit satellites. LEO gives customers the ability to connect all their spectrum analyzers around the world to monitor LEO satellites without interruption.

**Mission Microwave Technologies**

**Booth #809**

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.
At Satellite 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
• Supports all kinds of topologies

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.

SKYWAN 5G unlocks new business opportunities for service providers e.g. in enterprise networks. Total cost of ownership is significantly reduced thanks to the fact that only one type of device is needed for all roles in the network. Each SKYWAN 5G has the full functionality on board and specific features are unlocked by a license key. One small hardware for all network roles simplifies logistics and unprecedented scalability enables the growth of your network in a very cost efficient manner. This saves costs in terms of logistics, certifications, network configuration and maintenance. Measuring in at only 1 RU the SKYWAN 5G is the smallest hub device on the market.

SKYWAN 5G enables star, mesh, multi-star and hybrid topologies. Each unit can act either as a hub or master station, therefore adding agility in terms of its network role. Geographical redundancy of the master station is already built-in and a DVB-S2X outbound can be added easily at every station. Network virtualization allows seamless integration into all IT infrastructures.

The device is so flexible: the customer can change the topology anytime, or cascade units to increase traffic volume per site according to business growth.

Spacebridge Inc. is an established supplier and global market leader in broadband satellite communications technology. The company develops and provides satellite network equipment and

multiservice applications from broadcast (all-IP networks), consumer and enterprise VSAT, government and defense, cellular backhaul and trunking and mobility, offshore and maritime markets.

Discover Newtec’s latest industry-leading broadcast equipment, including the M6100 and the MCX7000; Find out more about the benefits of All-IP broadcasting and how it can transform your business; Experience a demonstration of DVB-S2X Channel Bonding UHD Contribution: 4K sports/events coverage made possible over fragmented space segment.

Newtec is specialized in designing, developing and manufacturing satcom equipment and technologies that can be applied in a wide range of single 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 # 1135
www.terrasatinc.com

Terrasat Communications presents the latest state-of-the-art IBUC for Fly-Aways & COTMs; the IBUC3. 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 IBUC3 design and verified through intensive individual unit testing. Terrasat Communications designs and manufactures innovative RF solutions for Satellite Communications systems. Our ground-breaking IBUC – the Intelligent Block Upconverter – brings advanced features and performance to C-band, X-band, Ku-band, & Ka-band satellite earth terminals and VSAT’s. Our products offer exceptional value at a reasonable cost, thereby allowing our customers to stay ahead of their competitors. Through conservative engineering, Terrasat products have gained a reputation for enduring over the long term in extreme operating conditions.

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Walton Enterprises
Booth # 1619
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 # 2113
www.work-microwave.com

At Satellite 2019, WORK Microwave will be showcasing the industry’s first V-Band frequency converters as a qualified product. The converters are available in various dimensions of outdoor housings and cover the full ITU uplink bandwidth range from 47.20 to 51.40 GHz, providing full 4 GHz of bandwidth. As global consumption of bandwidth-intensive data and broadcast services increases, higher throughput satellites will be a requirement in the future. By offering V-Band-ready equipment WORK Microwave is helping the satellite industry tackle this important challenge.

Xiplink
Booth # 1619
www.xiplink.com

Xiplink is the technology leader in wireless link optimization (WLO) using industry standard SCPS TCP acceleration, UDP enhancements, data/header compression, link bonding and Internet optimizations to deliver a better wireless experience over stressed communication links. Our award-winning XipOS software dramatically improves web experience and optimizes other Internet traffic in markets such as maritime, cellular backhaul, ISP backhaul, military and aviation broadband. The Xiplink solution is packaged into appliances or virtual images and sold through OEM, Integration and Service Provider partners around the world. Xiplink is a private, employee owned company with headquarters in Montreal, Quebec Canada and field personnel worldwide.