



# Products and Services MarketPlace

A guide to key products and services to be showcased at the NAB 2016 in Las Vegas, Nevada, USA from April 18-21, 2016.

**Advantech Wireless**  
booth # SU 2802 and Outdoor Exhibits OE 907  
[www.advantechwireless.com](http://www.advantechwireless.com)



SMARTER SOLUTIONS.  
GLOBAL REACH.

**Advantech Wireless** supports the critical need for

High Throughput Satellite communications in a rapidly expanding digital environment. Our proven low-cost and highly reliable system solutions are meeting the ever-increasing need for high-bandwidth communications essential to military and government requirements, cellular network providers, broadcasters, robust corporate networks, and security. We integrate award-winning research and development engineering into our designs. The result: custom solutions with lowest overall capital and operating costs, together with an unparalleled commitment to lead the industry in materials, design and reliability.

The company products include award-winning Second Generation GaN based SSPAs/BUCs, Next Generation VSAT Hubs and Terminals with A-SAT-II Optimization, Microwave Radios, Fixed and Mobile Antennas, Antenna Controllers, Frequency Converters, Routers, Satellite Modems and Ruggedized Products.

**AvL Technologies**  
booth # C 7248 and Outdoor Exhibits OE 904  
[www.avltech.com](http://www.avltech.com)



**AvL Technologies'** booths at NAB 2016 will showcase a number of new and cutting-edge antennas. In our Central Hall booth, C7248, we will have two O3b MEO tracking Ka-Band antennas - 85cm & 2.4m. These antennas offer the power of O3b's high throughput, low latency connectivity in compact and easily transportable designs. These rapidly deployable, tactical terminals operate in tandem pairs (same size) with make-before-break communications and can be set-up and on-the-air within two hours.

Also in our Central Hall booth will be a new 85cm auto-deploy flyaway fully-integrated solution that packs into two airline checkable bags. This unit is loaded with features including multiple modem choices and offers options such as on-board WiFi, fiber connectivity and AC/DC prime power.

On display in our outdoor booth, OE904, will be our newest 2.5m three-piece segmented vehicle-mount an-

tenna for military and SNG applications. This robust quad-band antenna features a lightweight, new design AvL carbon fiber reflector with notched corners enabling it to be transported by helicopter. Also in our outdoor booth we will have a new 1.2m SNG vehicle-mount antenna with a motorized selectable dual-feed system.



AvL antennas are the industry benchmark of excellence for mobile broadband Internet access, SNG, Oil & Gas Data Backhaul, and Defense & Government solutions.

**C-COM Satellite Systems Inc.**  
booth # SU 9824  
[www.c-comsat.com](http://www.c-comsat.com)



**C-COM Satellite Systems Inc.** is a leader in the design, development and manufacture of commercial grade mobile SOTP antennas. iNetVu<sup>®</sup> systems are available in Vehicle Mount, Flyaway, Airline Checkable and Fixed Motorized platforms. More than 7000 C-COM antennas have been deployed in 103 countries around the world in a variety of vertical markets including SNG/Broadcasting.

Under development now, is a new generation of Ka and Ku-band SOTM (Satcom-On-The-Move) antennas. Be sure to stop by C-COM's booth at NAB and catch a glimpse of the NEW Ka-band inMotion terminal.

Also on display will be the Fly-75V which is approved by Eutelsat on their KA-SAT High Throughput Satellite using their new-generation NewsSpotter service. This 75cm



antenna was among the first and Flyaway's to receive such type approval. Easily assembled in 10 minutes by one person without any tools, it fits in 2 compact transportable cases and auto-acquires satellite within two minutes using the iNetVu<sup>®</sup> 7710 controller.

The iNetVu<sup>®</sup> 1202 Drive-Away antenna system is a sleek, simple to operate auto-deploy VSAT terminal using a long focal length for excellent cross-pol performance. All three motorized axes have very low backlash and work together

seamlessly with the iNetVu<sup>®</sup> 7710 Controller to ensure excellent pointing accuracy.

**COMTECH EF Data**  
booth # SU 3407  
[www.comtechefdata.com](http://www.comtechefdata.com)



**Comtech EF Data Corp.** is the global leader in

satellite bandwidth efficiency and link optimization. Our integrated SatCom infrastructure solutions encompass Advanced VSAT Solutions, Satellite Modems, RAN & WAN Optimization, Network & Bandwidth Management and RF Products. The offerings feature groundbreaking efficiency (industry-leading coding, modulation, compression and physical layer operation), robust intelligence (traffic shaping, dynamic bandwidth allocation and integrated network management) and unparalleled horsepower (processing power for your pps and Mbps transmission requirements). Commercial and government users utilize our solution suite to reduce OPEX/CAPEX and to increase throughput for the most demanding fixed and mobile networks.

**COMTECH Xicom Technology**  
booth # SU 3407  
[www.xicomtech.com](http://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.

At the NAB, Comtech Xicom Technology will be showcasing its SuperCool<sup>™</sup> family of amplifiers which has many practical advantages over traditional air-cooled amplifiers including: ambient noise reduction, ease of service and maintenance, higher reliability, reduced heat load in hubs, flexible and compact installation and gain stability over ambient temperature.

The Comtech Xicom design incorporates integrated cooling channels in the amplifier baseplate, external to the

high voltage and RF circuitry and drip-free connections. Liquid cooling is available across the high-power end of the product-line, including: the new SuperPower 2000W, and



1500W products; the 1250W, 750W, 500Ka and 250Ka family of amplifiers. Comtech Xicom engineers are available to help customers understand and specify liquid cooling systems that are right for them.

**Globecast**  
booth # SU 10706 (Connected Media Area)  
[www.globecast.com](http://www.globecast.com)



**Globecast** is exhibiting in the Connected Media arena at NAB 2016 and will be highlighting its market-leading playout and media management services. Globecast opened

its new Media Center in LA in 2015 offering fully managed playout services as well as media preparation and VOD logistics service. It also provides a point of presence for the company's global coverage.

#### **Media Factory: a global solution**

Globecast's Media Factory leverages the company's proven expertise in handling both linear and on-demand services through playout and over-the-top solutions. It delivers on the promise to take content from anywhere in the world, process it in any way required, and then deliver it anywhere to any device.

#### **Localization and monetization of content**

In competitive media landscape, Globecast understands the business imperatives and the complexity of efficient content monetization on every screen. The company has multiple solutions to help broadcasters achieve this objective: from handling local channel branding through advertising management, compliance work, rights management services, to advanced content selling tools and analytics for all online video services.

#### **Distribution**

Late last year Globecast launched a new platform on the AMC-11 satellite. As a result, prospective and current clients can benefit from the most powerful orbital position in the Americas for distribution to cable headends. This is evidenced by the fact that the satellite already hosts over 70 major Tier-1 American channels. Sports channel Gol TV, a 24/7 network dedicated to soccer and an existing customer, is the first to have taken the opportunity to transition their HD feed onto Globecast's new platform. As well as Gol TV, Globecast has signed additional contracts with companies including Revenue Frontier.

#### **VOD logistics**

Globecast makes creating and delivering VOD packages simple, handling the considerable complexities of supplying

content that satisfies the complex requirements of each platform. The company assembles VOD content packages with all the relevant metadata, languages, graphics, subtitles and promos in the technical formats demanded by VOD platforms globally. Globecast manages an extensive network of VOD platform affiliates to help its clients distribute VOD content easily.

**Hispasat/Hispamar**  
**booth # SU 11613**  
[www.hispasat.com](http://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. HISPASAT is one of the world's largest satellite companies in terms of revenue in its sector, and the main communications bridge between Europe and the Americas.

**Newtec**  
**booth # SU 2324**  
[www.newtec.eu](http://www.newtec.eu)

**Newtec**, a specialist in designing, developing and manufacturing equipment and technologies for satellite communications, will be showcasing at the NAB its most advanced VSAT modem to date – the first on the market to support



wideband DVB-S2X, the Newtec MDM5000 Satellite Modem. The MDM5000 is capable of receiving forward carriers of up to 140 MHz, and processing over 200 Mbps of throughput. On the return channel, it supports SCPC, TDMA and Newtec's unique Mx-DMA™, up to 75 Mbps.

With forward symbol rates from 1 to 133 Mbaud and coding up to 256APSK, the MDM5000 will boost efficiency and performance on legacy satellites while fully unleashing the potential of next-generation High Throughput Satellites (HTS). As the latest addition to the Newtec Dialog® multiservice platform, the MDM5000 is designed to handle a wide range of IP services, including: Internet and Intranet access, Voice over IP (VoIP), mobile backhauling and trunking, along with video contribution and multicasting.

**RSCC**  
**booth # SU 12710**  
[www.rsc.ru](http://www.rsc.ru)

**The Russian Satellite Communication Company (RSCC)** is the national state satellite operator whose spacecraft provide a global coverage.



RSCC belongs to the ten largest world satellite operators and owns five teleports and its own optical fiber infrastructure.

The company possesses the largest satellite constellation in Russia located in the geostationary orbital arc from 14 West to 140 East and cover the whole territory of Russia, the CIS, Europe, the Middle East, Africa, the Asia Pacific region, North and South America, and Australia. RSCC offers a full range of telecommunications services such as TV and radio broadcasting, data transmission, telephony, multimedia and others using its own terrestrial engineering facilities and satellite constellation.

**Walton De-Ice**  
**booth Outdoor Exhibits # OE 504**  
[www.de-ice.com](http://www.de-ice.com)



**Walton De-Ice**, the world's leading designer and manufacturer of satellite earth station antenna (ESA) weather protection solutions, Walton will showcase its latest Ka-Band satellite ESA weather protection solutions, **Ice**

**Quake**, **Rain Quake**, and **Snow Shield** at NAB 2016.

Antenna de-icing and weather protection systems from Walton De-Ice can reduce signal loss through Ka-Band dishes, and improve the reliability and quality of content delivery services.

The Ice Quake system (U.S. patent) enhances the reliability of the Snow Shield systems by a factor of 185 percent.

The Ice Quake System also acts as a Rain Shield to prevent water from sheeting on the antenna reflective surface causing rain fade on a Ku or Ka band antenna.



- Huge - i.e. up to 100 x - electric bill savings compared to conventional systems.
- No need for high power conduit, trenching, switch gear costs.
- Automatic moisture and temperature monitoring and control system.

Walton De-Ice advantages include: Turnkey integration, installation, maintenance and tech support; Superior customer service—bar none. Accept no substitutes. Proudly designed and manufactured in the USA.