

# Products and Services MarketPlace

A guide to key products and services to be showcased at the NAB 2017 in Las Vegas, Nevada, USA 2017 from April 24-27, 2017.

**Advantech Wireless**  
booth # SU 3821 and OE 828  
[www.advantechwireless.com](http://www.advantechwireless.com)



**Advantech**  
Wireless

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 broadcasters. 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.

Learn more about our World Leading SATCOM GaN based SSPAs/BUCs, Second Generation ASAT II™ Multi-service VSAT System, New WaveSwitch™ SATCOM Waveform Switching Technology, Broadcasting Datalink Solution, Antennas and Microwave Radios.

**AvL Technologies**  
booth # C 7248 and OE 504  
[www.avltech.com](http://www.avltech.com)

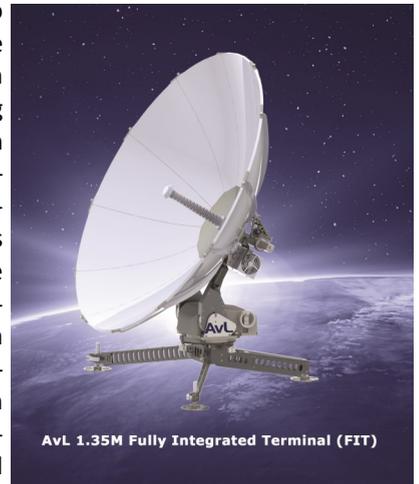


At NAB 2017, **AvL Technologies** will feature The Family of Integrated Terminals (FIT), AvL's newest line-up of flyaway antenna systems. These antennas are designed to accommodate current and future modem, RF and satellite frequency options. On display in our Central Hall booth, C7248, will be a 1.35m FIT antenna, and our outdoor booth, OE504, will have a 0.98m antenna. This new line of user-configurable, IATA checkable and carry-on satellite terminals are ultra-compact, ultra-lightweight, ultra-high performance fully integrated systems, upgradeable from the baseline manual-point configuration to a motorized, auto-acquisition platform.

Our Central Hall booth also will feature a 1.2m O3b MEO tracking Ka-Band antenna. The antenna offers the power of O3b's high throughput, low latency connectivity in a compact, easily transportable and rapidly deployable design. The antennas operate in tandem pairs (same size) with make-before-break communications.

An 85cm auto-deploy flyaway fully-integrated solution

that packs into two airline checkable bags, loaded with features including multiple modem choices, mission-configurable weatherproof electronics enclosure with the latest power efficiency technology and a 1.2m SNG vehicle-mount antenna with a motorized selectable dual-feed system will be displayed in our Central Hall booth.



AvL 1.35M Fully Integrated Terminal (FIT)

On display in our outdoor booth will be a 1.2m SNG motorized vehicle-mount Ka-Band antenna with swappable feeds.

**C-COM Satellite Systems Inc.**  
booth # 711  
[www.c-comsat.com](http://www.c-comsat.com)



**C-COM Satellite Systems Inc.** is a pioneer in the manufacture and design of mobile, auto-deploy antenna systems. The iNetVu® brand, available in vehicle mount, flyaway, and fixed motorized format, is sold in over 100 countries, and is considered the most reliable and advanced product in the market today. More than 8,000 C-COM antenna systems have sold into the military, oil and gas, SNG, disaster management, mobile banking and telecom verticals, among others. C-COM is also engaging in the design and manufacture of next generation, 'Comm-on-the-Move' antenna systems, including a land-based, Ka-band COTM antenna, as well as a phased array, electronically steerable solution.

At the NAB, C-COM will be showcasing its Ka-98H/JUP, a 98cm, auto-deploy antenna approved for operation on Hughes Jupiter System. It comes with the one-button, auto-pointing 7710 controller system to acquire satellite in under



two minutes. The system can be converted in the field to operate on other available approved Ka-band services, including Eutelsat KASAT, Yahsat YAHCLICK, and Avanti (iDirect/Gilat service), and also to Ku-band.

**COMTECH EF Data**  
**booth # SU 3308**  
[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).

**COMTECH Xicom Technology**  
**booth # SU 3308**  
[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 Multiband with power levels from 8 to 3,550 watts and available in rack-mount and antenna-mount ODU packages.

Comtech Xicom Technology will be showcasing its SuperCool™ 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 avail-

able 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.

**Crystal**  
**booth # SU 11017**  
[www.crystalcc.com](http://www.crystalcc.com)



**Crystal** provides advanced monitoring and control software for video distribution over satellite, cable or the Internet. It makes any combination of hardware and software, from practically any manufacturer, operate reliably as a single seamless system. Its software is also on the leading edge of new OTT applications, with frame-accurate precision that enables everything from dynamic ad insertion and content replacement to live-to-VOD and live clipping without adding infrastructure or manual processing. That is why, over the past 30 years, the world's leading broadcast and cable networks have trusted Crystal to support hundreds of billions in revenue. Founded in 1986, Crystal is headquartered in Greater Atlanta, GA

**Crystal Control** enables multi-site NMS & Control, Metadata applications for Linear to OTT, Streaming with DRM & DAI. Serving satellite, broadcast and video for 30 years: \*Spectrum Monitoring & Recording, \* Metadata applications, \* Ad Insertion Verification & Reconciliation, \* Site Diversity Switching, \* Network Management Systems.

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**Hispasat/Hisparmar**  
**booth # SU 9813**  
[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.

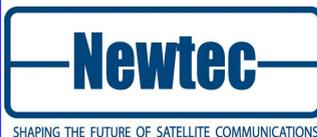
With more than 25 years of experience, the HISPASAT Group maintains an important presence on the Iberian Pen-



insula and in Latin America, where it is now the fourth satellite operator. HISPASAT has solidly positioned itself in high growth markets and has a stable strategic client base.

HISPASAT distributes more than 1,250 television and radio channels through its powerful fleet of satellites and is a key driver for the Spanish aerospace industry.

**Newtec**  
**booth # 2802**  
[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.



Here's what to expect from Newtec at NAB 2017:

**Boosting SNG:** Find out how next-generation IP satellite links boost connectivity for IP newsgathering.

**Newtec Dialog® Solutions for Broadcast** (Contribution, Distribution, DTH, etc.)

Discover the many different options and use cases for broadcast systems.

The latest **satellite broadcast** developments:

- Newtec MCX7000, a dense Multi-Carrier Satellite Gateway for broadcast, video contribution, exchange & distribution, up to four modulators & three demodulators – **MCX7000 Multi-Carrier Satellite Gateway**
- Newtec DVB-S2X, DVB-S2, DVB-DSNG and DVB-S broadcast modulator – **M6100 Broadcast Satellite Modulator**
- Newtec MCX7000, a dense Multi-Carrier Satellite Gateway for broadcast, video contribution, exchange & distribution, up to four modulators & three demodulators – **MCX7000 Multi-Carrier Satellite Gateway**
- Newtec DVB-S2X, DVB-S2, DVB-DSNG and DVB-S broadcast modulator – **M6100 Broadcast Satellite Modulator**

**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 # OE 907**  
[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 the NAB.

Learn how satellite facilities are **reducing their energy consumption and costs**, while protecting their antennas from outages due to snow, ice, rain and weather.

Walton De-Ice will announce at the NAB in Las Vegas that one of the world's most successful pay TV services has updated its satellite earth station with the latest Walton Hot-Air Plenum De-Ice systems.

The Ice Quake (U.S. patent) enhances the reliability of a passive Snow Shield cover by shaking off snow before ice forms, and melting ice with heating options. Enjoy huge – up to 100x utility bill savings compared to conventional systems. No need for high-power conduit, trenching, or switch gear costs. Automatic moisture and temperature monitoring and control system.

Minimize signal loss due to Rain Fade with Walton De-Ice's Rain Quake. Reduce data loss - by 20X or more - compared to antennas without protection. Prevent water from sheeting on your antenna surface - causing Ka-Band or Ku-Band rain fade - from VSATs to large antennas.

