Products and Services Market*Place*

A guide to key products and services showcased at IBC 2012 exhibition in Amsterdam from September 7-11, 2012.

Advantech Wireless
Booth no. 1.A11
www.advantechwireless.com

Regardless of the choice of media and regardless of the protocol or mode of transport – Wireless or Satellite, **Advantech Wireless** is the only company who can provide complete and mature solutions, with advanced capabilities for your broadcast needs.

Our Discovery Series VSAT Satellite Solutions can broadcast your message around the globe, simultaneously to thousands of remote sites. Advantech Wireless' DVB modulator and demodulator products with built-in multiplexing and encryption options, and the vehicle-mounted and fly-away antenna systems, with fast single-button auto-pointing, are great for getting content in from the field.

Years of R&D combined with real-world performance reveals that Advantech Wireless GaN-based SSPAs and BUCs are opening completely new market opportunities for Satellite based Communications with unmatched performance, high reliability and low OPEX. Advantech Wireless has developed a full line of Solid State Power Amplifiers (SSPAs), which are ideal for both content contribution and TV distribution.

Regardless of the choice of physical interface, Advantech Wireless' terrestrial microwave solutions can carry your broadcasting signal via DVB-ASI, STM-1, DS3/E3, E1/T1 or plain IP.

Amos - Spacecom
Booth no. 1.C65
www.amos-spacecom.com

Spacecom operates the AMOS satellite fleet, currently consisting of the **AMOS-2, AMOS-3** and **AMOS-5** satellites. **AMOS -2 and AMOS-3**, co-located at the 4°W "hot spot" orbital position, deliver a wide range of communications and broadcasting services to Europe and the Middle East. AMOS-5, located at the 17°E orbital position, offers a pan-African C-band beam, connecting Europe and the Middle East alongside three Ku-band regional beams, enabling it to be a prime carrier of African traffic in both broadcast and data services.

With the launch of the **AMOS-4** and **AMOS-6** satellites, Spacecom will expand its reach to serve additional markets, including Asia and Russia, positioning the company as a genuine multi-regional satellite operator.

ARABSAT
Booth no. 1.C38
www.arabsat.com

Arabsat has recently succeeded in transfering telecommunications network services from Arabsat-2B satellite to its new Arabsat-5C satellite at 20 degrees East which was launched successfully in September 2011.

The new satellite carries telecommunications networks for the Arab States and the African continent and private networks operating at Ka-band in addition to Direct To Home bouquets transmitted in C-band to the African continent. With more than 450 FTA TV channels, 160 radio channels, 30 HDTV channels and four Pay TV networks, Arabsat has the largest Arab community in the sky.

AVL Technologies
Booth no. 5.A49
www.avltech.com

AvL Technologies designs and manufactures mobile, motorized antenna systems and positioners featuring high performance carbon fiber reflectors, auto-acquisition controllers, and the unique AvL cable drive system. Ideal for small aperture antennae, it boasts zero backlash, high stiffness, light weight ruggedness, reliability, and cost effectiveness.

AvL has designed and developed SNG antennae for 1.0M,1.2M, 1.4M,1.6M, 2.0M and 2.4M apertures and a diverse product line of rugged motorized FlyAway packages, many available in back-pack configurations, some as small as to meet airline requirements for cabin baggage. AvL, now recognized as the leading producer of SNG antenna systems in the USA and fast becoming known worldwide, developed the first motorized, auto-acquisition Mobile VSAT antenna system designed specifically for IP broadcast. AvL has over fifteen thousand high-quality antennae for C-band, X,-band, Ku-band, DBS-band, and Ka-band in service throughout the world for SNG, military, emergency communications, disaster management, mobile medicine,

and other speciality applications.

AvL is now offering three-year warranties on its 2012 mobile VSAT antennas.

Cobham Tracstar
Booth no. 1.F41
www.cobham.com/tracstar

Cobham TracStar Land Systems is an international provider of mobile satellite communications technology to Government (military and civil), Commercial Media, Energy and Mining, and Enterprise markets. We have a comprehensive offering of products and services including Comm-on-the-Move, Comm-on-the-Pause, and Man-Packable antenna systems delivering video, data and voice connectivity worldwide.

Tracstar LVT 750P8 Terminal

The TracStar LVT Series of Manual Backpack Terminals provides a heavy duty, ruggedized, self-contained mobile system designed for easy portability and field-swappable Ku-, Ka- and X-band operations. Pictured here is the LVT 750P8, with an 8-segment carbon fiber reflector and tripod. BUCs, LNBs, and manual pointing tools for smartphones are also available.

For more information, contact Cobham at +1 (407) 650-9054 or sales@tracstar.net.

Comtech Xicom Technology
Booth no. 1.F80
www.xicomtech.com

Comtech Xicom Technology, Inc., is introducing at IBC a new, compact, LCD (liquid crystal display) touch screen controller for high-power amplifiers (HPAs). The new LCD touch screen provides an easy-to-use interface for monitoring and controlling multiple amplifiers and switches.

Comtech Xicom Technology's new generation of XTCT rack-mount controllers provide an easy to use, intuitive touch screen interface for monitoring and controlling outdoor amplifiers (ODUs) used for commercial or military satellite uplinks. The new full-color LCD touch screen front panel displays the HPA's operational status, including power output, temperature, graphical displays of parameter trend analysis, and event logs. Local and remote diagnostics can also be easily performed via an Ethernet interface.

The new model XTCT controller is housed in an industry-standard 3RU, 19-inch rack unit and can be configured for controlling a single amplifier or multiple amplifiers in 1:N redundancy systems. The controller can be reconfigured for different system requirements without expensive hardware changes. Another valuable feature is that all operational data is saved within the controller's non-volatile memory for up to fourteen years, providing a complete history of the HPA system in the event of service or repair. The XTCT controller measures 19 -inches wide by 5.22-inches high by 9-inches deep and weighs less than 7 pounds. It includes redundant AC power supplies.

Comtech Xicom's New XTCT Controller

Gazprom Space Systems
Booth no. 4.C60
www.gazprom-spacesystems.ru

Gazprom Space Systems (formerly Gascom) is a private commercial, non-governmental satellite operator based in Russia. The main shareholder is Gazprom, one of the largest energy companies in the world. Gazprom Space Systems' orbital fleet consists of three mid-size satellites under the Yamal brand. Gazprom Space Systems' ground infrastructure consists of four teleports in the city of Moscow and in the surrounding Moscow region, which are connected to the main telecom backbones by means of fiber-optic lines. The company also has a wide network of earth stations across Russia.

In Russia Gazprom Space Systems is not only a satellite operator but also a service provider and system integrator. Within Russia, along with satellite capacity, it provides satellite services including satellite links, video distribution, Internet access and network development and management.

GlobeCast
Booth no. 1.A29
www.globecast.com

At IBC 2012 **GlobeCast** will demonstrate solutions that allow broadcasters to "take content further." Through the company's strong global presence and technological expertise, GlobeCast empowers content providers to generate additional revenue and remain competitive across screens, devices, and delivery platforms. The company will be exhibiting alongside its sister company NETIA.

At IBC2012, GlobeCast will be demonstrating the com-

pany's proven solutions across three main areas:

Content Management and Delivery
A solutions provider for content management and delivery, GlobeCast will be showcasing scalable playout and origination solutions that allow broadcasters to adapt content to local markets anywhere in the world and simplify the overall content distribution process. NETIA and GlobeCast will also be showing Media Asset Management (MAM) software and services to help broadcasters and content creators manage and optimize their workflows.

Global Satellite and Fiber Network
In addition to taking content further technologically, GlobeCast takes content physically further — thanks to the company's diverse capacity on satellites covering all five continents and 92,000 km of fiber spanning the globe. Hybrid solutions using both satellite and fiber ensure that broadcasters get the most adapted and cost-effective solution possible. Visitors will be able to view an HD video on the stand that discusses GlobeCast's worldwide satellite and fiber delivery services in more detail.

Content Aggregation and Distribution
GlobeCast now offers solutions for the aggregation and distribution of content. With a specialty in international content, GlobeCast has long and established relationships with hundreds of international channels as well with cable, telecom, and IPTV bouquet operators. GlobeCast leverages these relationships, in addition to the market knowledge it has gained, in each of the 17 countries around the world where GlobeCast is present.

Hispasat/Hispamar Satélites
Booth no. 5.A41
www.hispasat.es

Covering all of the Americas, **Hispamar Satélites** – a **Hispasat Group** company – offers an extensive range of satellite communication services through the Amazonas 1 and Amazonas 2 satellites: IP, Broadcast, Corporate, Telecom, Government, Distance Learning, Telemedicine and Digital Signage. Amazonas 1 and Amazonas 2 are two of the biggest and most powerful satellites serving the American Continent and operate collocated at 61º W offering both C- and Ku-band capacity, with immediate availability of high quality Ku-band capacity for North America.

The Amazonas 1 satellite, is specifically designed to provide broadcast and multimedia services, provides services throughout the American continent including the entire US mainland, with connectivity to Europe and North Africa. The Amazonas 2 satellite was launched in 2009 in the 61º West orbital position and serves the entire American continent from Alaska in North America to Tierra del Fuego in South America.

Hispasat has developed into one of the leading satellite operators in the world today and one of the leaders in terms of licenses on the American continent. Landing rights have been obtained through after extensive effort during the past few years in almost all of the countries in the Americas and North Africa.

NEWTEC
Booth no. 1.A48
www.newtec.eu

Newtec will launch a new satellite modem portfolio at IBC 2012. The range features a variety of specs appropriate for consumers, enterprise markets, service providers, governments and large-scale operations over satellite requiring even higher speed returns:

The Newtec **MDM2200** IP Satellite Modem, designed for consumers and SME's, offers download speeds up to 16 Mbps and 3.5 Mbps upload alongside the lowest power consumption available on the market.

Newtec's new Satellite Modem Portfolio

For high throughput B2B applications the Newtec MDM3100 IP Satellite Modem will easily handle up to 45 Mbps download and 5 Mbps upload; with a future release increasing this to 10 Mbps.

Finally the hotly anticipated Newtec MDM6000 Satellite Modem completes the portfolio and will also be launched at the show. This modem bundle is capable of handling speeds up to 2 x 380 Mbps, and already has the upcoming S2-extensions candidates (including new modulation codes up to 64 APSK and 72 Mbaud) on board. These S2-extensions promise an efficiency increase of 15 to 37% on top of DVB-S2. The new modem portfolio fully integrates Newtec technologies including:

Clean Channel Technology™ (CCT) which increases efficiency up to 15% by using low roll-off factors, advanced filter technologies and optimal carrier spacing.

FlexACM® switches between maximum efficiency and robust modulation when needed, giving maximum throughput and availability in all circumstances.

Automated Equalink® provides significant improvements by pre-distorting the modulated signal, which gives up to 10% extra efficiency on a transponder.

Newtec's Bandwidth Cancellation combines the forward and

return transmission in the same satellite bandwidth giving up to 30% extra efficiency gain.

Combining these technologies brings significant gains to your transponder efficiency, as demonstrated in the recent world record-breaking announcements by Newtec.

Satservice GmbH
Booth no. 1.F47
www.satservicegmbh.de

SatService Gesellschaft für Kommunikationssysteme is pleased to announce the launch of its new *sat-nms* IMC19G Impedance Converter Chassis for satellite ground station applications at IBC in Amsterdam. The company has delivered over the years a number of different impedance converter modules and solutions. The product is a response to customer demand in the satcom market for an integrated standard 19" rack mount solution.

A total of 20 impedance converters are provided in a 1RU 19" drawer. The chassis has the room at the rear panel for 20 of these converters and the minimum number installed is 10. In steps of additional 5 of these impedance converters the chassis can be upgraded to a total of 20.

***sat nms* IMC 19G Impedance Converter**

Two different versions of impedance converters can operate either solely in L-band with low loss or broadband from 50 to 2200MHz.

Walton De-Ice
Booth no. 1.F33
www.de-ice.com

Walton De-Ice designs and manufactures the broadest line of equipment available for preventing the accumulation of snow and/or ice on satellite earth station antennas.

Walton De-ice offers several options for heating including, gas heaters with their economical operation advantages or the low maintenance Stainless Steel Electric Heaters.

At IBC 2012, Walton De-ice will be providing demos of its new ***Rain Quake*** product specifically designed for Ka-Band antennas as well as its complete product line of de-icing systems including its very reliable Ice Quake system.

WORK Microwave
Booth no. 4.B63
www.work-microwave.de

With more than 25 years of global expertise designing satellite communications technologies for the broadcast, satellite, and telco markets, **WORK Microwave** will introduce a wide range of technology advancements at IBC2012. Visitors to the booth can view a live demonstration of the company's DVB-S2 IP-Modem SK-IP and see the latest addition to WORK Microwave's modem range, the new DVB-S2 Modem SK-DV Combined Data and Video Modem, two cutting-edge solutions that maximize an operator's bandwidth while simultaneously lowering costs.

DVB-S2 Modem SK-DV Combined Data and Video Modem

For the first time at IBC2012, WORK Microwave will display an innovative new data and video modem designed to streamline an operator's signal transmission setup. Utilizing DaVid technology, the DVB-S2 Modem SK-DV simultaneously transports both data (network connection) and live broadcast (video content) over a single satellite carrier, aggregating multiple MPEG transport streams and IP data into a unified DVB-S2 multistream.

DVB-S2 Modem SK-DV

Ideal for broadcasters, telcos, and satellite operators relying on a hybrid infrastructure that requires TS and IP interfaces, the DVB-S2 Modem SK-DV includes a powerful set of features, including traffic shaping, cross layer design, Generic Stream Encapsulation, and OptiACM, that maximize data throughput and bandwidth use while reducing operational and capital expenditures.

DVB-S2 IP-Modem SK-IP and XipLink's Bandwidth Optimization Technology

Based on a close cooperation with XipLink, a leading provider of bandwidth optimization technology, WORK Microwave will showcase increased efficiencies for its DVB-S2 IP -Modem SK-IP. Integrated into a single environment with XipLink's XA family of scalable appliances, the DVB-S2 IP -Modem SK-IP offers service providers, corporate networks, and telcos a more reliable method for optimizing throughput and increasing the available amount of bandwidth on their networks. Rather than pre-setting inaccurate minimum and maximum data rates, users can now leverage WORK Microwave's OptiACM feature with XipLink's sophisticated traffic shaping functionality to determine real-time minimum and maximum data rates for each content type for up to 100 Quality of Service (QoS) classes.