



■ A guide to key products and services showcased at CommunicAsia 2012 exhibition in Singapore from June 19-22, 2012.

AAE Systems www.aaesys.com

Design and Build Services for Teleports & Data Centers

The proper design of teleports and data centers saves thousands of dollars by utilizing shared infrastructure. Companies are able to dedicate more personnel to core business practices, rather than to information technology and communications. Teleports and data centers reduce latency, decrease backhaul costs, and provide more internal networks for other users. As a result of shared infrastructure, companies benefit from greater bandwidth capacity and higher speed communications.



AAE designs world-class Tier I and Tier IV data centers that are customized according to the application of the customer. In designing and building teleports and data centers, AAE offers the following services: Architectural and civil; Electrical and mechanical; and Data and networking.

AAE offers complete lifecycle support services including installation, operation, maintenance, and training, as well as remote diagnostics, software updates, and configuration changes. AAE offers 24/7 access to support services needed for building and running a data center.

Advantech Wireless Booth no. 1W2-01 www.advantechwireless.com



Advantech Wireless

Advantech Wireless, a Canada-based manufacturer of satellite, RF and microwave equipment, is pleased to announce the launch of a completely new line of GaN based Solid State Power Amplifiers for the Satellite Communication market – the smallest, lightest, highest power amplifiers available today, at the best price. Previously introduced back in 2009 with an offering covering 40 to 200 W Ku-band models, the line is now complete with full C-band and X-band products, in power ranges from 100 to 1600W.

This is the result of 6 years R&D development, which has concluded in the most powerful, efficient and reliable line of

SSPAs available on the market. Early on, Advantech Wireless realized the potential of GaN technology over traditional GaAs based technology. This disruptive technology allows extremely high RF power density, very high temperature ratings, high linearity, low energy consumption, which translates in smaller units and a magnitude of order increase in reliability.

For the first time in the history of Satcom technology, Solid State Power Amplifiers will be able reach very high RF power levels which were only possible with TWT technology, while at the same time overperforming all existing technologies in terms of energy consumption, linearity and reliability.

Advantech Wireless is shaping the world with leading-edge wireless broadband communications. Since 1988, Advantech Wireless manufactures and deploys networking solutions for broadband connectivity, broadcast solutions and backhaul requirements using satellite and terrestrial wireless communications.

Amos - Spacecom Booth no. 1E2-01 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.

AVL Technologies Booth no. 1N1-01 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



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. 1P4-01
www.cobham.com/tracstar



Tracstar LVT 750P8 Terminal

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.

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. 1T2-07
www.xicomtech.com

Comtech Xicom Technology, Inc. continues to be the world's leading SATCOM power amplifier supplier, offering the broadest product line in the industry. For more than 20

years, our focus on customers, innovation and quality has created a tremendous breadth of products and established a company with a reputation for excellence.

Comtech Xicom is introducing a new line of compact, high efficiency, TWTAs that yield 400W performance in a 200W package and 750W performance in a 400W package. The XTD-400KHE high power amplifier is in a compact, rugged package weighing only 32 pounds. Drawing only 860W at 185W of linear RF output power, the amplifier is ideal for transport-able applications where high efficiency, light weight, and high ambient temperature operation are required. The XTD-750HE consumes only 1450 Watts at 400W of linear output power and is an ideal upgrade for existing 400W systems.



Comtech Xicom Technology's new HPAs will help you achieve your green goals.

- As much as 50% Space Savings
- Up to 40% Lower Power Consumption
- One-Third Lighter than Traditional Amplifiers

For more information about our High efficiency amplifiers visit <http://www.xicomtech.com/GettingGreener.aspx>

Gazprom Space Systems
Booth no. 1Y1-07
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.

Gazprom Space Systems has a long-term development

program. Having rights to five orbital slots, the company plans to expand the constellation of GEO Yamal satellites thereby creating good development opportunities for the customers.

GE Satellite
Booth no. 1T2-01
www.gesatellite.com



GE Satellite is the only US based operator to provide international fixed satellite services. Leveraging the GE-23 satellite, we deliver superior service, exceptional media and data capacity, and flexible coverage for our clients in a wide variety of sectors across the entire Pacific region.

GlobeCast
Booth no. L4- ROSELLE 4710
www.globecast.com

GlobeCast, a subsidiary of France Telecom/Orange, is a leading provider of media management and global content delivery services for broadcasters and content creators. With a secure fiber and satellite network connected to dozens of teleports, technical operations centers and points-of-presence worldwide, GlobeCast manages and transports millions of hours of video and other rich media each year.



An integrator of audiovisual technology and a full service provider, GlobeCast works with all the actors in the audiovisual chain from production companies to broadcasters, retail organizations, cinema chains and more.

The company provides on-site service from major news and sporting events for coverage in SD, HD or even 3D. Present in Europe, the Americas, the Middle East, Asia, Africa and Australia, GlobeCast is also an expert in international television markets, and works with new and established broadcasters to reach and secure distribution with leading pay TV operators around the world.

Globecomm Systems
Booth no. 1N1-07
www.globecomm.com

Globecomm offers broadcasters a pre-engineered, configurable system for analog-to-digital conversion of terrestrial TV. The DTT Solution Kit makes it possible to upgrade digital TV systems without impacting analog programming operation. As a leading technology integration company, Globecomm takes end-to-end responsibility from design configuration to installation, testing and lifecycle support.

As part of the transition, Globecomm will upgrade multiple elements of the network. In short, it covers the network

from beginning to end. Everything starts with the program acquisition subsystem; from there the upgrade also includes the compression subsystem, followed by transmission subsystem, ending with any required confidence monitoring.



Lastly, Globecomm provides technical lifecycle support in an effort to make sure everything not only meets, but exceeds our client's expectations. Backed by our 24 X 7 NOC, we will monitor your TV stations, provide remote support when needed and include mandatory site visits.

NEWTEC
Booth no. 1V3-01
www.newtec.eu

At CommunicAsia, **Newtec** will be showcasing its new product, M6100 Broadcast Satellite Modulator, our **next generation broadcast platform**. The M6100 will deliver bandwidth efficiency performance among the best on the market, and help broadcasting businesses evolve through ongoing market and technology transitions.



Newtec M6100 Broadcast Satellite Modulator

It took our best engineers, 25 years of expertise and our greatest innovations to create **the best broadcast-ing experience over satellite**, keeping these three goals in mind:

- **delivering uptime and reliable contribution and distribution** of your high value content;
- **increasing your performance** through a higher bandwidth efficiency at a **lower operational cost**;
- supporting your business **today AND tomorrow**.

O3B Networks
Booth no. L4-LOTUS 4D
www.o3bnetworks.com



O3b Networks Ltd is building a next generation network that combines the reach of satellite with the speed of fiber. O3b's groundbreaking services will enable emerging market telcos and ISPs to make the internet a truly global and universal experience.

O3b stands for the 'Other 3 billion', a reference to nearly half of the world's population living in markets that are not adequately served with broadband internet access or mobile

phone services.

With world-class financial and operational support from investors, O3b is creating a global internet backbone to serve several billion consumers, businesses and other organizations in 177 countries. O3b became fully financed in November 2010 and Arianespace will launch the first eight satellites in the first half of 2013 with a Soyuz launcher from French Guyana.

Satchoice
Booth no. 1U3-05
www.satchoice.com

SatCHOICE is a new, global online marketplace that matches satellite communications suppliers with purchase-ready buyers to help boost sales.



Based in Singapore, **SatCHOICE** was founded by satellite industry veteran Chris Frith who saw a need for a web portal that could quickly match satcom buyers with the right suppliers.

SatCHOICE's efficient online forum enables suppliers to increase their exposure to highly qualified buyers of satcom solutions. Prospective buyers save time and money by using the **SatCHOICE** portal to view listings of suppliers based on precise service criteria, including fixed and mobile applications in maritime, mining, enterprise, media and oil & gas markets.

WORK Microwave
Booth no. 1V2-07
www.work-microwave.de

At CommunicAsia 2012, **WORK Microwave** will introduce the company's latest, new-generation DVB-S/S2 modulator featuring multistream technology. The high-speed modulator with up to six multistream inputs and 50-180MHz and/or 950-2150MHz L-Band output is ideal for fixed satellite ground stations as well as for SNG vehicles, fly-aways, or any other mobile or portable applications. The product supports DVB-S2 transmissions in variable coding and modulation (VCM) mode to ensure the highest transmission throughput at all times. The new and improved design of the modulator includes features such as:

Multistream Technology — Users can now aggregate up to six independent transport streams into one satellite carrier in a fully transparent manner. Multistream technology does not modify the original data streams, maintaining the integrity of the original content. Also, fewer modulation devices are required, reducing both operational expenses and capital investments for users.

Transport Stream over IP (TSoverIP) — In addition to the known ASI interface, the updated modulator now offers transport over IP. As a result, users can transport video data

via their existing network infrastructure.



Enhanced New Generation DVB-S/S2 Modulator User Interface

— The new, easy to use, web interface (GUI) provides a more powerful and intuitive user experience. This new universal GUI allows for ease-of-access to all features, and a readily customizable interface to meet specific end user requirements and environments.

Xiplink, Inc.
Booth no. 1W2-05
www.xiplink.com

XipLink is the technology leader in wireless optimization using standards based SCPS protocol acceleration, streaming data compression and Internet optimizations to deliver the maximum capacity over stressed wireless communication links. **XipLink** is a privately owned company with Headquarters in Montreal, Quebec and Sales and Marketing offices in Washington, DC.

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At CommunicAsia 2012, **Xiplink** will be showcasing its XipLink Real Time (“XRT”) capabilities. XRT is a new optimization capability that compresses, coalesces and prioritizes VOIP, Skype or other small packet UDP traffic types for significantly more bandwidth and packet efficiency without compromising quality. XRT can provide bandwidth savings up to 50% and dramatically improve the packet/



second performance of most modems by 2 to 10 times the current packet rate. XRT optimizations are now included with all XipOS 3.2 and higher releases.

XipLink is also demonstrating the award-winning XHO hub optimization technology, allowing Network Operators to immediately improve outbound web performance or reduce bandwidth costs by deploying a single device at the Teleport or Data Center without remote equipment or software. This hub side investment can then be leveraged into selected “bracketed” applications to take advantage of XRT, SCPS-standard TCP acceleration, Link Bonding and other optimizations available with XipLink’s appliances or embedded systems.