



■ A guide to key products and services to be showcased at CABSAT 2014 in Dubai, UAE and SATELLITE 2014 in Washington, D.C. from March 11-13, 2014.

ABS

@ CABSAT Hall 1 F1-20
www.absatellite.net



At Cabsat and Satellite 2014, **ABS** will be showcasing its newly launched satellite ABS-2. ABS-2 is a commercial communication satellite built by Space Systems/Loral (SSL). Weighing more than 6,000 Kilograms, the satellite uses two 5-panel solar arrays to deliver more than 15kW of power.

ABS-2 is a highly sophisticated multi-mission satellite, equipped with a communication payload of 32 C, 51 Ku and 6 Ka-band transponders (a total of 89 active transponders) across 10 different beams

ABS-2 brings unparalleled coverage and expansion capacity at ABS' prime location of 75 degrees East. ABS-2 offers a range of services including direct-to-home and cable television distribution, VSAT services, data networks, and telecommunications services for commercial and government customers as well as military applications.

ABS-2 covers Eastern and Central Europe, Africa, the Middle East, Asia Pacific, Russia and the CIS countries and has an operational life for at least 15 years.

Advantech Wireless

@ SATELLITE booth no. 6017
www.advantechwireless.com

Advantech Wireless designs, manufactures and deploys networking for broadband connectivity, broadcast solutions, video contribution and distribution, mobile 2G, 3G, LTE backhaul and DTH & DTT video distribution, using satellite and terrestrial wireless communications. Our products include Next Generation VSAT Hubs and Terminals, World-leading GaN technology SSPAs, BUCs, Frequency Converters, High Speed Satellite Modems, Fixed and Deployable Antennas, Antenna Controllers, Terrestrial Microwave Radios, Routers and Ruggedized Products.

Featuring high power density in a compact, rugged and weatherproof package, the new SapphireBlu™ series of UltraLinear™ GaN technology based SSPAs and BUCs is the ultimate Solution for DTH TV.

- Considerable reduction in size, weight and energy consumption;



- High Power, High reliability and Efficiency;
- Low intermod distortions: From one antenna, one HPA is able to simultaneously transmit to all transponders of a specific satellite, regular or extended bands.

The latest generation Discovery Series VSAT Hub, powered by A-SAT™ technology dynamically switches between SCPC and TDMA modes to optimize satellite bandwidth utilization.

You can have the benefits of both TDMA and true SCPC technologies combined on a single platform. Our advanced A-SAT™ dual waveform platform dynamically adapts the satellite access to your traffic utilization.

ARABSAT

@ CABSAT Hall 1 D1-10
www.arabsat.com



Founded in 1976, Arabsat has been serving the growing needs of the Arab world for over 30 years. Now one of the world's top satellite operators and by far the leading satellite services provider in the Arab world, it carries over **450 TV channels, 160 radio stations, 4 Pay-TV networks** and wide variety of **HD channels** reaching tens of millions of homes in more than 80 countries across the Middle East, Africa and Europe—including an audience of over **170 million** viewers in the Middle East and North Africa (MENA) region alone tuned into Arabsat's video "hotspot" at 26° East.

Operating a growing fleet of owned satellites at the **20° East, 26° East, 30.5° East and 39° East** positions of the geostationary orbit, ARABSAT is the only satellite operator in the MENA region offering the full spectrum of Broadcast, Telecommunications and Broadband services. This capacity will continue to expand with the launching of new satellites, making the ARABSAT satellites' fleet the youngest in the region.

ATCi

@SATELLITE booth no. 9007
www.atci.com



ATCi is a custom communications solutions provider specializing in commercial satellite communications systems and services including: the Simulsat multibeam, parabolic antennas, complete uplink systems/services, tele-

ports, cable television headend and plant components, test equipment and input matrix switches, as well as fiber optics components for corporate, broadcast, cable television, government and education.

AVL Technologies
@SATELLITE booth no. 8037
www.avltech.com



AVL Technologies' booth at SATELLITE 2014 will showcase our newest 2.4m Vehicle-Mount antenna for Military and SNG applications. This robust antenna features an AVL-unique three-piece carbon fiber reflector with motorized folding hinged "wings" (for automatic, compact stow width on mid-sized trucks), a high-stiffness azimuth bearing, our proprietary zero-backlash AVL Cable Drive, and a wide boom to allow for larger HPA envelopes. An optional "saddlebag" mounting option is also available for larger HPAs. The antenna stows to a remarkable 24" (61cm).

AVL will also show our newest 60cm and 1.2m Manual FlyAway antennas. These antennas are lightweight, compact, portable and robust with carbon fiber reflectors. Packed in rugged, lightweight cases, the 60cm antenna packs into a backpack that can be carried onto a commercial flight, and the 1.2m antenna is compact enough to check as air baggage.

Also on display will be AVL's new 1.0m Ka-band broadband antenna with a cowling. AVL's Ka-band broadband antenna family is noted for its versatile configurations, high reliability and cost-effective "go-to" solutions for mobile accessibility with High Throughput Satellites. AVL antennas are the industry benchmark of excellence for mobile broadband Internet access, SNG, Disaster Relief, Oil & Gas Data Backhaul, and Defense & Homeland Security solutions.



AVL's new 2.4 vehicle-mounted antenna

C-COM Satellite Systems Inc.
@SATELLITE booth no. 6041
www.c-comsat.com



C-COM Satellite Systems Inc. is a leader in the development and deployment of commercial grade mobile satellite-based technology for the delivery of two-way high-speed Internet, VoIP and Video services into vehicles. C-COM has developed a

unique proprietary Mobile auto-deploying (iNetVu[®]) antenna that allows the delivery of high-speed satellite based Internet services into vehicles while stationary virtually anywhere where one can drive. The iNetVu[®] Mobile antennas have also been adapted to be airline checkable and easily transportable. The company's satellite-based products and services deliver high-quality, cost-effective solutions for both fixed and mobile applications throughout the world.

Comtech Xicom Technology
@CABSAT Hall 2 G2-31
@SATELLITE booth no. 7009
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. Xicom is

showcasing a number of products including many of the new "Green Powered By Xicom Technology" designed amplifiers focusing on user cost savings including lower power consumption, reduced fuel and charging requirements.



Xicom representatives will be available for SATCOM providers and developers to discuss and obtain technical information on these and many additional amplifier products at the Comtech Xicom Technology at Cabsat and Satellite 2014.

Cobham SATCOM Land
@SATELLITE booth no. 7025
www.cobham.com/satcom

At Satellite 2014, **Cobham SATCOM Land** will be showcasing its new EXPLORER Mobile Net provides an ultra-portable solution for instantly deploying a cellular coverage area of up to seven kilometers for mobile phones and smart devices within minutes. Available in GSM, 3G or LTE, this tactical single-case cellular network solution allows people to stay in touch under the most challenging and demanding conditions by



EXPLORER Mobile Net

providing instant local communications without backhaul, as well as enabling global interoperable voice, video and data communications when paired with one of Cobham's EXPLORER BGAN or VSAT satellite terminals. No other solution on the market offers the same range, size and functionality in such a cost-effective manner.

EM Solutions
@SATELLITE booth no. 6126
www.emsolutions.com.au



EM Solutions is recognized for manufacturing technologically superior microwave modules and systems for next generation broadband satcom and terrestrial communications at frequencies from L-band to Ka-band (1 to 40 GHz) and beyond (now building radios in E-band 71 to 86GHz). It strives to offer differentiated microwave products that embed its unique IP, and are available on demand.

Since 1998, the company has produced integrated RF modules used in low noise receivers and solid state high power transmitters for defence and commercial customers around the world. These sophisticated components form the core subsystems used primarily in microwave terrestrial and satellite links, or in other applications such as radar, radio-astronomy, and remote sensing.

EM Solutions customer base includes many of the world's largest systems integrators and telecommunications companies. The company offers system-level design checking and validation, and an RF performance guarantee. It is a Defence accredited supplier and is ISO-9001 certified.

Its most sophisticated and world-leading systems, such as its Ka-band satellite on the move terminal, Ku-band E1000 microwave radio link, are testament to the company's expertise in developing complex systems that also integrate multi-frequency antenna feeds, digital signal processing, filtering and demodulation, and firmware and mechanical control subsystems.

Gazprom Space Systems
@CABSAT Hall 1 E1-40
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 Sys-



EM Solutions Satcom on the Move Ka-Band system

tems' orbital fleet consists of four 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
@Cabsat Hall 2 E2-20
www.globecast.com



Globecast's end-to-end managed services for complete OTT content delivery will be on show at CABSAT. From content preparation to delivery, Globecast offers end-to-end solutions for OTT, including monetization tools, to help broadcasters make the most of their content. The company's service proposition removes the technical complexities associated with providing content to multiple platforms, in multiple formats, across multiple territories with associated rights issues from the broadcaster. Through a managed solution, broadcasters can deliver OTT services to market rapidly without having to make a capital outlay for hardware and software, keeping operating expenses under control and predictable.

GlobeCast is also providing a comprehensive demonstration of its highly evolved playout solutions for the fragmented modern world. Whereas it used to be broadcasters delivering content in the form of a linear channel to a single - or perhaps a small multiple - of handover points for onwards distribution to consumers, now that can be hundreds of handover points and a mixture of linear feeds and non-linear packages for catch-up and on demand. Globecast technical centers in London, Singapore and Miami offer a wide range of tailored broadcast management services - such as the graphical integration and regionalization of content - which broadcasters can take advantage of wherever they are in the world.

GlobecommSystems
@CABSAT Hall 2 A2-32
@SATELLITE booth no. 5061
www.globecomm.com

At Cabsat and Satellite, **Globecomm** will be highlighting

its Access Connectivity Services. When you are looking for connectivity, you need global reach, high quality and the ability to delivery data, video and voice anywhere under almost any conditions. To meet that need, Globecom Global Network which consist of satellite and fiber connectivity, offers a wide range of services for voice, data, Internet and video that leverage our global transmission capacity and our network of data center, content management and switching facilities. Globecom's Access services include:



Access Plus, a suite of transmission and network services for secure IP connectivity, VOIP and data communications worldwide

Access Maritime which offers ship owners, ship managers, officers and crew a single, powerful, cost-effective platform for communications worldwide.

Access Video, a complete video transmission solution supporting live broadcast-quality video contribution and distribution as well as file distribution and videoconferencing.

Hispasat/ Hispamar Satélites
@Cabsat Hall 4 E4-31
@Satellite booth no. 6083
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 61° W offering both C- and Ku-band capacity, with immediate availability of high quality Ku-band capacity for North America. Its latest addition to its fleet is the Amazonas-3 satellite which includes nine Ka-Band spot beams—the first Ka-Band capacity made available for the Latin American market.

INTEGRASYS S.A.
@SATELLITE booth no. 9127
www.integrasys-sa.com



INTEGRASYS offers a wide range of **Satellite Carrier Monitoring and Interferences Detection Systems** operating in L, C, X, Ku and Ka frequency bands. INTEGRASYS was founded by HP

spectrum analyzers experts on 1990, since then we have been established in Europe; now days we are also established in US covering worldwide Satellite Markets.

ControlSat is the Fastest Carrier Monitoring on the market, able to analysis with extreme accuracy 200 measurements in just one second; Recording, Alarms, Reporting and Unlimited Carrier measurement are included.

Satmotion Pocket is the Best VSAT LineUp and Auto-Commissioning System; it becomes an essential tool for big VSAT deployments providing an important cost reduction. **Satmotion Pocket** allows the installer to be independent minimizing Crosspol (XPOL) and Adjacent Satellite Interference (ASI) in real time and fully controlled; not coordination with NOC or HUB is required. **Satmotion** is also available a SNG version for Broadcasters LineUps.

VectorSat: Carrier Under Carrier Interference Detection and I/Q Demodulation. It allows the operator to Zoom and Analyzes in detail the Interference, Recording, Reporting and Reproducing this Interference, best system for reporting Jamming or unintentional interferences.

GeoBeam: Satellite Link Budget Analysis and Beam Design taking in to account the ITU standards, high resolution maps and very easy interface; it reports a complete and simple PDF file with all calculations.

Narda Test Solutions
@SATELLITE, go to A.G.Franz, LLC booth # 5120
www.agfranz.com/narda-satellite/

Narda Test Solutions designs and manufactures highly sensitive signal analyzers for RF interference detection and monitoring (rack-mountable and portable).

At the Satellite Show Narda's North American distributor A.G. Franz, LLC will be showcasing the **Narda Remote**



Narda Remote Spectrum Analyzer NRA 6000

Spectrum Analyzer NRA 6000. The NRA is a 1RU rack mountable, high speed, low-power fan-less test-equipment that can be easily integrated and remotely controlled in various monitoring systems. The wide bandwidth (9kHz-6 GHz) of the NRA-6000 enables the operator to simultaneously monitor a variety of signals with up to 600,000 samples per sweep.

The NRA-3000 variant is optimized for satellite signal interference monitoring and troubleshooting. The optional high-speed I/Q data streaming capability is ideally suited for signal identification and characterization

Newtec

@CABSAT Hall 1 B1-21

@SATELLITE booth no. 3019

www.newtec.eu

Newtec will be launching at CABSAT and SATELLITE is new Dialog® platform. Dialog® is a new scalable, flexible and bandwidth efficient multiservice platform allowing operators to build and adapt their infrastructure easily as their business and the satellite market grows and changes. Newtec Dialog gives operators the power to offer a variety of service on a single platform while assuring the most optimal modulation and bandwidth allocation. In addition to supporting SCPC or MF-TDMA, it now includes a third revolutionary patented return link technology called Mx-DMA™. Together with the new HighResCoding™, it combines the best of both worlds and enables services to run more efficiently than ever before over satellite.



The Newtec Dialog® platform consists of hub(s) and terminals. The Newtec Dialog Hubs are modular and scalable and can be configured in different sizes to fit the needs of customers. This picture shows the HUB6501 1IF and the HUB6504 4IF Hub Modules.

Peak Communications

@CABSAT Hall 2 G2-34

@Satellite Booth no. 9027 and A.G. Franz LLC booth #5120

www.peakcom.co.uk

Peak Communications manufactures professional RF equipment for Satellite earth stations: Block, fixed and agile (synthesized) frequency converters, test-loop translators, beacon receivers, automatic uplink power control units, line amplifiers, modular gain control units, splitters & combiners, DC & 10MHz drivers for BUC/BDC/LNB units, 10MHz



Peak Blockconverter DBUH200 platform

reference generation & distribution, distribution switching and noise sources.

Many of the products are available in **multi-channel configurations**, allowing the simultaneous conversion or signal conditioning of the same frequency range.

The equipment is provided in **three physical configura-**

tions: remote, weatherproof units for a compact outdoor solution; ½ rack, modular, hot-swappable units to offer the ultimate in maintainability; fixed dual, triple or quad-bands/ranges in 1RU chassis for a compact indoor solution.

At the Satellite Show Peak will be showcasing the **modular, hot-swappable Blockconverter DBUH200 platform**. The compact 1RU rack-mounted unit is designed to accept any combination of available converter modules (C-, X-, Ku-, DBS- and Ka-Band) and offers a full 1+1 redundant system. It can also be configured to provide separate BUC/BDC channels.

RF-Design

@CABSAT Hall 4 F4-20

www.rf-design-online.de



RF-Design with headquarters in Germany is successfully developing, manufacturing and marketing professional RF-distribution solutions for the international satellite, broadcast and broadband industries.

Our product portfolio includes LNB-supply/control solution, Splitters/Combiners, Switches/Redundancy Switches, L-Band Switch/RoutingMatrix solutions, RF Line-Amplifiers, RF-over-Fiber solutions, Remote broadband Spectrum-Analyzers while our company and team is also well recognized for providing custom-made RF-distribution solutions for your individual applications. All our products are manufactured, tested & approved in our own facilities in Bensheim/Germany and characterized by superior quality, reliability and excellent performance while they are in operation with major Teleports, Satellite Earth-Stations as well as Broadcasting and Broadband facilities worldwide.



FlexLink K4 Switch Matrix

At Cabsat 2014 we will demonstrate some of our new product such as the "FlexLink K4 Switch-Matrix", "SA3BBroadband Remote Spectrum-Analyzers Series", "FiberLink RF-over Fiber Solutions" and "RLA Line-AmplifierSeries". We look very much forward to welcoming you at our stand and to talking about your RF-distribution needs.

ScheduALL

@CABSAT Hall 7 H7-21

www.scheduall.com

Since 1989, ScheduALL has been providing ERM solutions to the largest broadcast and transmission businesses in more than 50 countries across the globe.

At CABSAT 2014, ScheduALL will demonstrate its advanced enterprise-wide connectivity and interoperability solutions. **ScheduALL Connector™** gives broadcasters the ability to intelligently employ or share resource inventories inside their enterprises and across trading partners in the most profitable way.



The **ScheduALL Chorus™** interoperability platform provides two-way interfaces to third-party systems for external equipment control and transmission status updates. The software is mission critical for transmission facilities, managing video router assignments and satellite uplink scheduling, automatically passing the information to downstream systems to facilitate on-air coverage for each feed during live events.

To schedule a demonstration and learn how ScheduALL's industry-changing smart technology can meet the unique challenges of your organization, please call +44 (0) 20 7636 0707 or email events@scheduall.com.

San Francisco International Gateway
@SATELLITE booth no. 6127
www.sfig-teleport.com



San Francisco International Gateway (SFIG) is a full-service teleport located at Richmond, California, directly across the San Francisco Bay from the Golden Gate Bridge and about 20 minutes from downtown

San Francisco.

The facility is a complex composed of modular buildings and technical equipment shelters adjacent to satellite earth station antennas on a 2 acre parcel of land. The SFIG technical facility consists of 19 satellite earth station antennas, of various sizes from 13.0 meters to 2.4 meters in diameter to serve both C and Ku band satellites.

THAICOM
@CABSAT Hall 1 A1-30
www.thaicom.net



AFRICOM by **Thaicom** provides broadcasters and telecom operators in Africa with a full range of

end-to-end satellite communication services via the Africom-1 satellite. AFRICOM by Thaicom is fully owned by THAICOM Public Company Limited—one of Asia's leading satellite operators.

Work Microwave
@CABSAT Hall 2 C2-30
@SATELLITE booth no. 6101
www.work-microwave.de

WORK Microwave's extensive range of satellite communications technologies are designed to optimize bandwidth, improve signal quality, and reduce operating expenses. Key product highlights include:

DVB-S2 Broadcast Modulator

Powered by a combination of video and IP technologies, WORK Microwave's DVB-S2 Broadcast Modulator provides operators with the ideal solution for IP network links and TV contribution. Innovative features include DVB-S2 multistream, TSoIP, and wideband (up to 80Mbaud), and carrier ID support. In addition, the DVB-S2 Broadcast Modulator platform supports next-generation DVB-S2 extensions, providing operators with a future-proof solution.

DVB-S2 IP-Modem SK-IP

WORK Microwave's DVB-S2 IP-Modem SK-IP harnesses XipLink traffic shaping and WORK Microwave OptiACM functionalities to



optimize throughput and increase network bandwidth for service providers, corporate networks, and telcos.

Walton De-Ice
@SATELLITE booth no. 7051
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.

Xiplink Inc.
@Satellite Booth no. 7126
www.xiplink.com



XipLink is the technology leader in wireless link optimization using the SCPS acceleration standard, providing dramatic bandwidth savings and improved customer experience. At Satellite 2014, XipLink will showcase its XipOS 4.1 adding internet video control and web object prioritization to our XHO system and Link Balancing with Bonding to XA Appliances.