



Products and Services MarketPlace

A guide to key products and services to be showcased at CommunicAsia 2016 at the Marina Bay Sands Convention Center, Singapore from May 31-June 3, 2016.

ABS

Level 1 booth # 1R3-01

www.absatellite.com



ABS operates a global fleet of 6 satellites including ABS-3A at 3°West the latest addition to the satellite fleet. Its extensive teleport network provides comprehensive coverage to 80% of the world's population across 5 continents. ABS has strategic alliances and partnerships with state of the art communication hubs, to deliver the best possible satellite solutions.

ABS has enhanced its fleet by procuring two new satellites, ABS-2A with powerful coverage over the Middle-East, Africa, Asia and Russia scheduled to launch in 2016 and ABS-8 for future deployment.

Headquarters in Bermuda, ABS has offices in the United States, United Arab Emirates, South Africa, Germany, Philippines, Indonesia and Hong Kong. ABS is majority owned by the Permira funds which are advised by European Private Equity firm Permira.

Advantech Wireless

Level 1 booth # 1J2-01

www.advantechwireless.com

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.



Advantech
Wireless

SMARTER SOLUTIONS.
GLOBAL REACH.



AvL Technologies

Level 1 booth # 1N1-01

www.avltech.com



AvL Technologies' booth at CommunicAsia 2016 will feature new and cutting-edge antennas. On display

in our booth will be an 85cm O3b MEO tracking Ka-Band antenna. This antenna offers the power of O3b's high throughput, low latency connectivity in a compact, easily transportable and rapidly deployable design. The 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.



We will also display our new 85cm auto-deploy flyaway system. This highly-integrated satellite communication system features a mission-configurable weatherproof electronics enclosure and represents the latest power efficient technology in a lightweight, airline checkable, 2-case solution. The antenna operates with the AvL AAQ auto-acquisition antenna controller module.

Also in our booth will be a new 1.2m SNG Dual-Band Ku + Surfbeam/Ka Vehicle-Mount antenna with a motorized selectable dual-feed system.

In addition on display will be our lightweight, compact and robust Manual FlyAways – the 70cm axi-symmetrical ultra-compact, eight-segment carbon fiber reflector which assembles in five minutes and the 2.4m nine-segment carbon fiber reflector which assembles in fifteen minutes. These antennas operate in Ku-, Ka- or X-band.

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.

Level 1 booth # 1Q4-12

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® 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 Emergency Response, Oil & Gas, SNG/Broadcasting and

many more.

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 1Q4-12 (USA Pavilion) at CommunicAsia and catch a glimpse of the NEW Ka-band inMotion terminal.



Also on display will be the 981 Drive-Away Antenna, a 98 cm Ku-band auto-acquire satellite antenna system which can be mounted on the roof of a vehicle for

Broadband Internet Access over any configured satellite. The system works seamlessly with the iNetVu® 7024C Controller providing fast satellite acquisition within minutes, anytime anywhere and is field upgradable to Ka-band.

COMTECH EF Data
Level 1 booth # 1T2-07
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
Level 1 booth # 1T2-07
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 CommunicAsia, 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 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.

Gazprom Space Systems
Level 1 booth # 1U2-01
www.gazprom-spacesystems.ru



Gazprom Space Systems (formerly Gascom) is a private commercial, non-governmental satellite operator based in Russia. GSS was established in 1992. Its shareholders are Gazprom - the world biggest gas company, Rocket-Space Corporation Energia - the leading Russian space enterprise, and Gazprombank - the largest Russian non-state bank and Gazprom's authorized bank.

The company operates the Yamal Satellite Communication System, providing the users with:

- satellite capacity worldwide;
- satellite services in Russia ("point-to-point" links, TV distribution, VSAT networks, broadband, mobile backhaul, trunking etc.).

Today the Yamal Satellite Communications System consists of four Satellites (Yamal-202 at 49E, Yamal-300K at 183E, Yama-401 at 90E and Yamal-402 at 55E), state-of-the-art telecommunication center and VSAT networks in the regions of Russia. Total Yamal satellite constellation capacity amounts to 248 equivalent transponders of 36MHz and about a third of it is concentrated in beams pointed over territories outside Russia.

The geography of GSS clients encompasses around 30 countries and services based on Yamal capacity are used in more than one hundred countries. Although on the interna-

tional market GSS provides pure capacity, the company has a number of partner teleport companies in the Europe, Middle East, Far East, Asia, Africa and America which provide value added services.

The next step of the company constellation enhancement will be Yamal-601 satellite dedicated to replace Yamal-202 satellite operating at 49E. In total at least five new satellites are planned to be launched by 2025.

INTEGRASYS
Level 1 booth # 1Y1-09
www.integrasys-space.com



INTEGRASYS is the technology leader in signal monitoring software systems for satellite, broadband and telecommunications market.

Our software products are the state-of-the-art in Control Systems in terms of speed, flexibility, efficiency and scalability and introduces a new concept in signal monitoring communications

At CommunicAsia 2016, Integrasys will be showcasing its Satmotion Pocket is the most innovative technology worldwide for VSAT commissioning and maintenance, minimizing OPEX time and interferences. Satmotion Pocket is the winner of the "Most Innovative Technology of the Year" Award 2014.

ND Satcom
Level 1 booth # 1U2-03
www.ndsatcom.com

At ComunicAsia **ND Satcom** will be showcasing its SKYWAN modem family— a reliable, flexible and versatile satellite communication platform for customer centric networks. It is a bi-directional MF-TDMA plus DVB system that supports voice, video and data applications in the most bandwidth efficient manner.

The new SKYWAN 5G unlocks new business opportunities for service providers. Total cost of ownership is significantly reduced thanks to the



fact that only one type of device is needed for all roles in the network. Each SKYWAN 5G has the full functionality on board and specific features are unlocked by a license key. One small hardware for all network roles simplifies logistics and unprecedented scalability enables the growth of your network in a very cost efficient manner. This saves costs in terms of logistics, certifications, network configuration and maintenance. Measuring in at only 1 RU the SKYWAN 5G is the smallest hub device on the market.

SKYWAN 5G enables star, mesh, multi-star or hybrid topologies with Communications-on-the-move (COTM) support. Each unit can act either as a hub or master station, therefore adding agility in terms of its network role. Geographical redundancy of the master station is already built-in. The device is so flexible that the customer can change the topology at a later point, use the unit for

Newtec
Level 1 booth # 1P2-01
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.



Newtec MDM5000 Satellite Modem

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® multi-service 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.

RF-Design
Level 1 booth # 1L2-10
www.rf-design-online.de



RF-Design is specialized in developing, manufacturing and marketing high quality RF distribution solutions for the international Satellite-, Broadcast- and Broadband communications market. Our product range includes **Switch/Routing Matrices, RF-over-Fiber solutions, Splitters/Combiners, Switches/Redundancy Switches, Line Amplifiers, RF/DVB Signal Quality Analyzers and LNB-supply/control systems**...perfectly suited for applications in Teleports, Satellite Earth-Stations as well as Broadcast- and Broadband RF distribution infrastructures. We also have strong capabilities

to design and to manufacture custom-made RF distribution solutions for your individual needs. All our products are developed, manufactured, tested and approved in our



own facilities in Lorsch/Germany and characterized by high quality, reliability and superior RF performance.

At CommunicAsia 2016 we will demonstrate our new unique, innovative and clever Switch Matrix systems "FlexLink-K7-Pro" and "FlexLink S7" as well as our new RF-over-Fiber system "RedLink FLCRplus" allowing N+1 and N+2 redundant optical transmission. We look forward to welcoming you at our stand and to talking about your individual RF distribution requirements.

RSCC
Level 1 booth # 1V1-07
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.

Terrasat Communications, Inc.
Level 1 booth # 1Q2-12
www.terrasatinc.com



Terrasat began in October, 1994, specializing in engineering design and manufacturing of advanced radiofrequency products for satellite and terrestrial microwave communications systems. Today, the company is focused on innovative RF solutions for satellite communications. The ground-breaking IBUC – Intelligent Block Up converter – brings full-featured, carrier-grade performance to commercial and military satellite communications terminals.

The company's new manufacturing facility on the southern edge of Silicon Valley has nearby access to an abun-

dance of high technology supporting infrastructure and a highly skilled labor force.

UHP Networks
Level 1 booth # 1R1-01
www.uhp.net



UHP Networks, formerly known as Romantis Inc, is a leading manufacturer of high-performance VSAT network equipment. Our solutions are field proven with over 170 networks and 11,000 remote terminals installed, many operating in most demanding applications with Tier 1 enterprise, broadcast and government customers. The company has its headquarters in Montreal, Canada, with manufacturing operations in Germany and sales and support offices worldwide. Our technology is based on the Universal Hardware Platform (UHP). Owing to its unique real-time operating system, one UHP module can combine industry- highest processing power (450 Mbps of aggregate IP traffic, 250,000 packets per second, up to 5 demodulators) with super-compact size, less than 1 lbs weight, 9W power consumption. The UHP module can work as a remote terminal or as a building block of a hub with up 250 TDMA inroutes, supporting up to 500,000 remotes. With its very advanced TDMA protocol (96% efficiency), sophisticated QoS and 65 Msps, best in class modulation and coding, up to 32APSK with 5% roll off, the UHP technology is the optimum choice for next generation HTS satellite networks.

Work Microwave
Level 1 booth # 1V2-07
www.work-microwave.com



At CommunicAsia 2016, **WORK Microwave** will showcase the latest advancements to its analog and digital satcom solutions, including a new all-IP DVB-S2X product line. Using WORK Microwave's solutions, satellite operators can dramatically increase flexibility, bandwidth, and margins while reducing their operational costs. WORK Microwave devices have been deployed by operators worldwide to support a range of applications within the satellite broadcast and satellite communications markets, including SNG/contribution, direct-to-home, IP networking, teleport management, governmental and more. WORK Microwave's Satellite Technologies division develops and manufactures high-performance, advanced satellite communications equipment for telecommunications companies, broadcasters, integrators, and government organizations that are operating satellite earth stations, satellite newsgathering vehicles, fly-aways, and other mobile or portable satellite communication solutions. 