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April 2004 - March 2005 | Worldwide Satellite Magazine | Index-Vol. II

Index Issue - Vol. II

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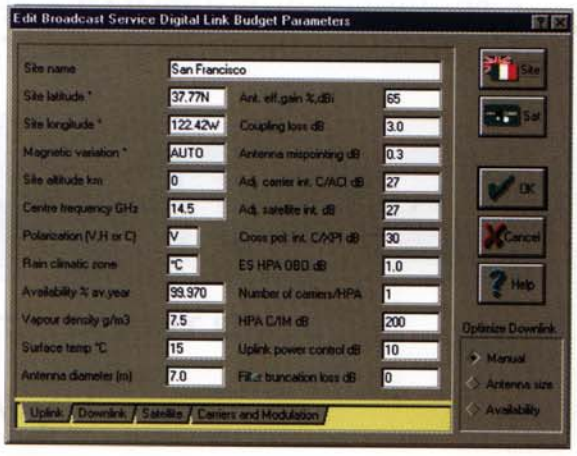

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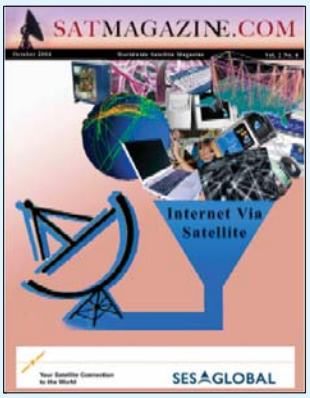

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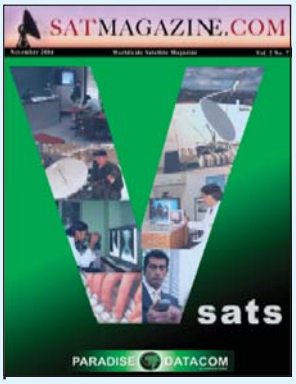

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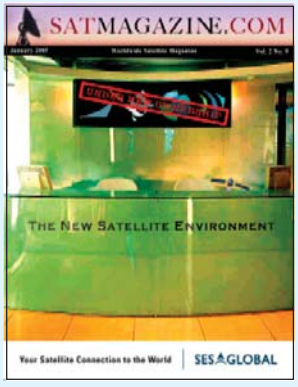

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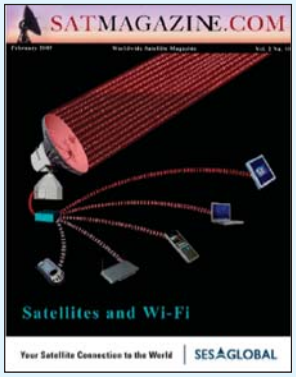

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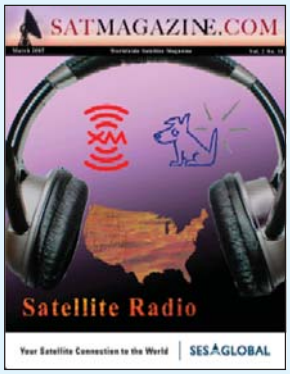

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SES GLOBAL
Your Satellite Connection to the World

SES GLOBAL is the world's leading satellite services provider. The company relies on an outstanding network of satellite operators, whose satellites together cover 95% of the world's population with unequalled depth of regional knowledge and market penetration.

SES GLOBAL'S operating companies, SES ASTRA and SES AMERICOM, as well as its partners AsiaSat, Nordic Satellite AB, StarOne and Nahuelsat, provide unrivalled transmission capacity and landmass coverage through a modern fleet of 38 geostationary communications satellites at 29 orbital positions. The fleet consists of 28 fully owned satellites (12 ASTRA and 16 AMERICOM spacecraft), plus 10 satellites to which SES GLOBAL provides access through equity participations (3 AsiaSat, 2 SIRIUS (NSAB), 4 Brasilsat (Star One), 1 Nahuelsat).

SES GLOBAL stands for a culture of highest quality of service. This quality focus in all business areas enables the SES GLOBAL companies to achieve transponder availability levels of 99.99% which rate among the highest in the industry.

SES ASTRA

SES ASTRA, a 100%-owned SES GLOBAL company, operates ASTRA, the leading satellite system for direct-to-home reception in Europe. At year-end 2004, ASTRA transmitted in excess of 1,400 channels to more than 94 million homes in 30 European countries. ASTRA also offers a comprehensive portfolio of broadband and occasional use solutions, as well as broadcast-related support services such as contribution links, uplink, multiplexing and encoding services. And through its TechCom services lineASTRA provides technical solutions and consultancy services to other satellite operators.

SES GLOBAL Headquarters in Betzdorf, Luxembourg

In addition, ASTRA provides a complete range of proven broadband network and community management solutions for the delivery and easy reception of data-rich DVB-IP compliant content.

SES AMERICOM

SES AMERICOM, a 100%-owned SES GLOBAL company, is the largest supplier of satellite services in the U.S., SES AMERICOM serves broadcasters, cable programmers, aeronautical and maritime communications integrators, Internet service providers, mobile communications networks, government agencies, educational institutions, carriers and secure global data networks with efficient communication and content distribution solutions. AMERICOM's satellite & teleport networks feature the finest neighborhoods, the best satellite capacity and availability, state-of-the-art platforms, and leading edge managed solutions.

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SES GLOBAL also holds significant investments in partner companies around the world: 34.10% participation in AsiaSat, Asia's premier satellite operator providing transponder capacity for broadcast and telecommunications services in the Asia-Pacific region; a 19.99% interest in Star One, operator of Brasilsat, the largest satellite fleet in Latin America; a 28.75% stake in Argentinean-based Nahuelsat; and a 75% participation in Nordic Satellite AB, operator of SIRIUS and providing complementary services to the European capacities of ASTRA in the Nordic countries, the Baltics and in Eastern Europe.

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PROFILES

PanAmSat is one of the largest global providers of services via satellite and fiber supporting applications that include video transmission, television broadcasts, Internet connectivity, and corporate networks. The company operates a wholly owned fleet of more than 23 satellites – one of the youngest and most reliable in the industry – capable of reaching 98 percent of the world's population through cable television systems, broadcast affiliates, directto-home operators, Internet service providers, and telecommunications companies.

PanAmSat is the leading distributor of television channels and HDTV signals in the world. The BBC, CNN, China Central Television, Fox Entertainment Group, MTV Networks, HBO, Sony, Starz Encore and ABCDisney are but a few of the world's leading broadcasters and cable programmers who utilize PanAmSat's satellites and ground infrastructure to distribute programming worldwide.

In addition, Internet service providers from Australia to Zambia access the U.S. Internet backbone over PanAmSat's global satellite system. Companies such as BT, Dacom, Direct-On-PC, Hughes Network Systems, IBM, Japan Telecom, Reuters, Telstra and Virgin Technologies all rely on the support and strength of the PanAmSat network for global connectivity.

As the world's first international operator of commercial satellites, PanAmSat has always been an industry innovator. PanAmSat pioneered the concept of dedicating satellites to

cable programming in the early 1980s, a distribution method that has since become an industry standard. The Company's Galaxy cable neighborhood combines the quality and costefficiency of its digital video distribution MCPC services with its prime domestic U.S. cable neighborhoods, which reach every cable system in the nation.

PanAmSat leverages its world-class satellite fleet and a 22,000-mile video fiber network to provide a range of services that include:

Video Distribution – PanAmSat's core service is the fulltime distribution of television programming to cable systems, network affiliates, and other redistribution systems, enabling hundreds of broadcasters to reach television audiences anywhere in the world. The company's Galaxy cable and HD neighborhoods are among the most sought-after celestial real estate anywhere. PanAmSat provides DTH platforms in several regions, counting both operators in Latin America as customers and Australia, where it launched PanGlobal TV in 2004 to transmit multi-cultural programming throughoutthe country .

Broadcast Services – PanAmSat's PASport leads the industry as the most respected special events and occasional use service. PASport provides high-quality global transmission solutions for the delivery of breaking news and live events around the world, with global points of presence (POPs) for connectivity anytime, anywhere. The company carries an average of up to 10,000 hours of news, sports and special events transmissions worldwide every month.

Network Services – PanAmSat's network transmits voice, video and data communications throughout the world, supporting telecommunications carriers, multinational corporations, network providers and governments in more than 80 countries.

In 2004 the company introduced PAS on Demand, its scalable 2-way broadband satellite solution for customers that need immediate video, voice and data communications.
Government Services - G2 Satellite Solutions is a division of PanAmSat that works specifically with U.S. government organizations and agencies on the development of a customized range of satellite-based, end-to-end communications solutions.
For more info go to www.panamsat.com

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PROFILES

Comtech EF Data: Optimizing Satellite Communications

Comtech EF Data designs and manufacturers a broad range of data and RF satellite communications equipment deployed in commercial and government applications around the globe.

As a subsidiary of Comtech Telecommunications (NASDAQ: CMTL), our mission is to be a worldwide supplier of high quality, high value satellite communications equipment.

With products installed in more than 160 countries, we have a solid reputation for providing unparalleled quality and reliability. Comtech EF Data is recognized as a technology leader and innovator, with offerings such as the industry's most bandwidth efficient forward error correction, an array of modulation techniques plus advanced IP-centric features for maximizing satellite communications links.

Typical Deployments

Comtech EF Data products are utilized to optimize satellite links in a variety of applications. Typical deployments include satellite operators, broadband and cellular service providers plus organizations with large or evolving satellite bandwidth requirements – enterprise, government, military education, oil & energy, maritime, enterprise, and more.

Data Products

The line-up of data products encompasses Satellite Modems, Monitor & Control Software and Performance Enhancement Proxies. Available with countless configurations and options, our family of bandwidth efficient Satellite Modems provide:

- L-Band or 70/140 MHz
- Data rates from 2.4 kbps to 100 Mbps
- Selection of modulation techniques – BPSK, QPSK, OQPSK, 8-PSK, 8-QAM and 16-QAM
- Variety of Forward Error Correction – Viterbi, Sequential, Reed-Solomon, Pragmatic Trellis Coding Modulation, Turbo Product Coding & Low-Density Parity-Check Codes
- Bandwidth Doubling Technology – DoubleTalk™ Carrier-in-Carrier™
- Range of interfaces – EIA422/5 30, V.35, EIA232 and G.703 T1/E1, 10/100 Ethernet, ASI, LVDS & HSSI
- Local and remote management – SNMP, Web, M&C port, front panel

With the flexibility and advanced feature set of our modems, customers are increasing satellite link efficiency, optimizing bandwidth and reducing the overall costs associated with satellite communications.

The IP-centric Modems take bandwidth optimization to a new level – improving transmission quality, enabling significant bandwidth savings and increasing control of bandwidth provisioning. Combine *turbo*IP® or *turbo*VR™ into the equation and performance of TCP traffic over impaired satellite links can be accelerated, restoring network efficiency.

In conjunction with sister division, Comtech Vipersat Networks, we offer the Vipersat Management System, providing a seamless IP-based infrastructure for satellite networking. This advanced system automates bandwidth utilization based on application, load or schedule. It is scalable, designed to accommodate future growth and enable centrally managed networks.

RF Products

Comtech EF Data's RF products include Converters, Solid State Power Amplifiers (SSPAs), Transceivers and Accessories for a range of frequencies, including L-, C-, X- and Ku-Bands. Deployed globally, our cost-effective RF products provide the performance and reliability required to support your satellite communications needs.

Memotec – Subsidiary of Comtech EF Data

Memotec enhances our ability to deliver network optimization and bandwidth efficiencies. The enterprise and carrier products provide new ways to reduce network costs without sacrificing service integrity. The CX enterprise products deliver access solutions that maximize satellite transport network efficiencies, dramatically reduce bandwidth requirements, and preserve the integrity of legacy and next-generation applications and technologies.

www.comtechefdata.com

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PROFILES

AnaCom, Inc.

AnaCom, Inc., the industry leader manufacturing of outdoor Transceivers for VSAT and Satellite Communications, manufactures a complete line of Outdoor Transceivers for Satellite Applications in C-band (Extended and Super Extended, Insat, Palapa, and Russian configurations) and Ku-band (Standard, Extended and Super Extended configurations). Most major telecommunications companies rely on our robust satellite products to connect customers in the farthest reaches of the Arctic Circle to the most remote stations in Antarctica, and all around the Equator.

AnaCom has brought its technical expertise and vast experience from producing VSAT transceivers to a new family of L-band BUC products. Similar to the present family of transceivers, the L-band product has the same rugged construction for continuous outdoor performance in all types of harsh environments. The product is easily suited for SCPC, MCPC, IP, VoIP and DAMA applications. With breakthrough design and manufacturing innovations, AnaCom is a pioneer in making affordable next-generation communications services a reality.

Our C and Ku-Band VSAT transceivers are highly integrated outdoor units. Equipped with full-featured monitor and control functions. They are available in single or redundant configurations. Available C-band power levels include 0 dBm drivers, up to 100W units. Available Ku-band power levels include 0 dBm drivers, up to 125W units.

Anacom 125 Watt Ku-Band transceiver

The Company has an excellent reputation for consistently developing products that lead the industry in terms of quality, reliability and ease of use. Its strong design and engineering capabilities allows AnaCom to maintain lower product costs for its efficient system design. Product offering covers all satellite commercial frequencies.

Headquarters is located in a Technology Park in Los Gatos, California, which resides in the heart of Silicon Valley. AnaCom has worldwide distribution network that both integrates and resells the company products. These transceivers are used in approximately 75 countries worldwide, and are certified for use in most of the world's satellite systems. The Company also has strong service and maintenance centers through its partners in China, Europe, India, Korea, Latin America, Taiwan and Thailand.

AnaCom's growth strategy is to continue to offer high performance, software-controlled products, which provide the most effective use of satellite power and bandwidth, as well as compatibility with the most advanced satellite networking technologies.

The Company's leadership team has extensive experience in the satellite communications industry. A group of high skilled engineers are responsible for the design, engineering and customization of the VSAT transceivers. AnaCom has also developed proprietary software that allows full maintenance of the VSAT transceiver from a remote location, lowering maintenance costs. AnaCom's transceiver products are known for their efficient design, reliability, ease of use, and low cost. They provide excellent reliability in a wide range of environments and functions. The current product line, designed for outdoor installation, performs with excellent reliability in environments ranging from desert to artic, humid to dry and stationary to mobile.

In today's market, AnaCom is ahead of the race in the competitive satellite communications market due to its ability to continue to offer high-performance, software-oriented satellite transmitters, which provide the most effective use of satellite power and bandwidth, as well as compatibility with the most advanced satellite networking technologies. AnaCom, Inc. – where Customer Satisfaction is Priority # 1 and where you find the solution for all your transceiver applications.

For the latest in transceiver technology, check out www.anacominc.com

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PROFILES

Globecast

Innovating satellite content distribution with new technologies

About GlobeCast

GlobeCast – a subsidiary of France Telecom – owns and operates the largest global content distribution network spanning five continents and serving a diverse base of customers, including broadcast, enterprise, retail and government.

The company's ground assets include 15 teleports and technical operations centers interconnected by a proprietary fiber ring, all of which operate seamlessly to push content over150 satellite transponders on more then 10 satellite systems worldwide. The end result is a one-stop global shop for cable and DTH delivery, contribution services, enterprise networks and new leading-edge applications such as IPTV.

Wireless Content Management

At NAB, GlobeCast is announcing its latest contribution delivery service WING – Wireless Content Exchange Network – a proprietary global IP-based contribution exchange using fiber and satellite to manage global content ingest, storage and live-to-air streaming direct from the laptop. The service will initially target news organizations to capture a growing demand for laptop newsgathering, an increasingly preferred method for television reporters to file, edit and broadcast news reports over the Internet from the field.

File-based content exchange networks allow reporters to file

stories – live or recorded – directly from any laptop or workstation over any wired or wireless Internet connection to a central exchange hub, which controls and routes the news flow to the newsroom. WING exchange servers will be based at GlobeCast's transmission centers around the globe and content will flow to customers via satellite and fiber depending on configuration, in a fully secured environment.

IPTV for Broadband

On the IPTV front, GlobeCast has joined forces with Eagle Broadband, a leading provider of broadband technologies to introduce IPTV CompleteTM, the first, turnkey IPTV product that enables telephone companies, municipalities, utilities, universities & real estate developers to rapidly deliver more than 200 channels of the highest quality, IPTV video services anywhere in America. The offer includes the largest IPTV package of standard, premium and high definition television programming, video-on-demand, pay per view and digital music available in America with full IP multicast video content rights for distribution over fiber, DSL and other private IP networks. The all-inclusive also provides IP head-end, middleware, satellite distribution and set top boxes with integration and installation within 60 days.

Store & Broadcast

To support migration by programmers to non-linear content distribution, GlobeCast is transforming its teleports to Store & Broadcast facilities, to allow broadcasters to store their video and push content via DVB servers housed on GlobeCast premises. Transmission and content management are controlled remotely by the customer through secured Internet links.

Migrating Transmission Standards

One of the greatest challenges facing programmers is how to migrate between multiple transmission standards to satisfy headend and last mile delivery for a diverse end-user market. GlobeCast is re-engineering its technical facilities to manage content in MPEG-4 and Windows Media 9 as well as in various HDTV and IPTV standards, in addition to traditional MPEG-2 and analog. The result is a global teleport and fiber network capable of ingesting any distributing and broadcast standard worldwide.

For more information on GlobeCast and its diverse portfolio, visit: www.globecast.com

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PROFILES

L-3 Narda Satellite Networks

Providing State of the Art Communications Products

Narda Satellite Networks is a division of L-3 Communications Inc. For more than 50 years, Narda has developed and manufactured microwave components, oscillators, frequency synthesizers and broadband amplifiers. The company's commitment centers on quality products for the commercial, military and industrial markets. Narda is the major microwave component division of L-3. Its New York home is a 150,000 square foot manufacturing facility producing ISO 9001 certified technology that spans numerous markets and industries within the telecommunications arena.

Building upon that heritage, the company's recent merger with L-3 Satellite Networks is providing new depth to Narda's satellite communication products. Some of Narda's products include intelligence, surveillance and reconnaissance systems; secure communications systems; avionics and ocean products; microwave components and telemetry; and space and navigation products.

In addition to its classical products, Narda can now offer the products that evolved from LNR, one of the original pioneers in high performance satellite communication ground equipment.These products serve the non-defense satellite communications

Narda's New York home, 150,000 sq. ft., stae-of-the art manufacturing facility

markets and are directed at gateway and teleport applications. The products can be found in a wide range of satellite communications applications, including Internet satellite service, traditional teleports, very small aperture terminals (VSAT's), SNG and digital video broadcasting. There is an existing installed base of equipment at more than 1,000 locations worldwide over 110 countries. Narda Satellite Networks products are supported with 24/7 customer service. Narda's SATCOM products include:

- **Converters**
- 'Off the shelf' M2 Series for most C and Ku band applications
- High Performance M Series providing 1KHz or 125 KHz frequency steps for operation in L, C, X, Ku and Ka Bands
- Dual V2200 Series in single 1U rack for C and Ku band
- Redundancy Switches
- 1:1 and 1:N Configurations
- Band Translators
- Test Loop Translators
- LNA's

Narda is also the leading supplier of RF safety equipment to the telecommunications market and offers personal monitors, site and area monitors and site survey equipment.

In addition Narda supplies a line of RF and Microwave components including couplers, power divers, attenuator specifically suited for communications applications

Narda for where quality is a commitment to our customers Narda's New York home is a 150,000 square foot state of the art manufacturing facility with a commitment to total quality.

Demonstrating the capabilities that have kept it a prime supplier of RF components, RF safety instruments and satellite communications systems for fifty years.

Narda is the:

- Leading Catalog Supplier of Connectorized, Broadband RF Components for Test Equipment Applications
- Leading Supplier of Satellite Communications Systems to Defense Services
- World Leader in Non-Ionizing Radiation Detection Equipment

Narda's products are used for communications, industry and defense electronics.

www.nardamicrowave.com

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PROFILES

MITEQ: A Technology Driven Company

Established in 1969, MITEQ has been committed to designing and manufacturing state-of-the-art microwave components and subsystems. With the continuous investment in technology development, the MITEQ product line continues to grow in scope and complexity.

The recent acquisition of MCL Inc., a designer and manufacturer of high power amplifiers (HPAs), greatly enhances the ability to serve the needs of MITEQ's customers in the SATCOM field. MITEQ will be expanding resources to continue MCL improvements in new product development, quality of product and customer service.

The addition of HPAs to the MITEQ product line and the internal developments in fiber-optic components for high-speed fiber-optic communication circuits further establishes MITEQ as a multi-faceted communications company, pushing the boundaries of technology development.

It is an understatement to say that MITEQ offers a wide selection of products. In fact, "we have such a broad product line that we work virtually for most of the U.S. and international system companies", says President and CEO Arthur Faverio.

These companies choose MITEQ because of its high quality products, which are designed and supported by the MITEQ engineering staff. "It's the level of technical competence", Faverio says, "plus competitively priced products built with a high level of quality and reliability, all supported by our customer service". All MITEQ products are backed with an extended warranty.

The emphasis on technical competence and product quality is a primary reason for success. MITEQ is comprised of 14 separate product units, each one headed by an engineer. When it comes to product design and service, it's an engineer who's behind it all: one who understands the products' application and the importance of engineering product development. MITEQ was founded on this principle and its success is based on the technical aspects of the customer interface. This includes the MITEQ sales/marketing staff, all of whom are technically educated.

Although there are separate product units, the technology that is developed by each unit is shared throughout the company. The major benefactor of this structure is the communications systems group. "We can draw from the technology of all of MITEQ's component areas to assemble the most comprehensive line of satellite communications frequency translation products in the world," Faverio says.

The communications products group manufactures upconverters, downconverters, test loop translators, redundant switchover units, redundant low noise amplifier systems and a wide range of equipment for Inmarsat applications. Although the emphasis of these products is in the L-, C-, X-, Ku-and Ka-bands, the frequency capabilities of current components and system products extend from video to 60 GHz.

MITEQ offers dual conversion, synthesized upconverters and downconverters, which are available in 1 kHz and 125 kHz steps in a single-rack panel height unit. These converters offer complete remote control capability over a variety of remote interfaces (RS232, RS422, RS485, IEEE 488 and contact closure).

In short, when it comes to RF satellite equipment, MITEQ pretty much has it all. And if they don't have it, they can probably build it on a custom basis to fit the customer's needs.

For more information go to **www.miteq.com**

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PROFILES

Loral Skynet

A trusted name in the satellite industry for more than 40 years, Loral Skynet combines a wide range of fixed satellite services with an established hybrid VSAT / fiber global network infrastructure to provide a unique, single source vendor solution for our clients' broadcast, data network, Internet access, IP and systems integration needs.

More than 400 companies worldwide representing broadcasters; global, regional and local ISPs; major telcos; domestic and foreign government agencies; and commercial enterprises depend on Skynet to meet their data, voice and video communications needs.

Product & Service Portfolio

Skynet seamlessly transports high-quality data, voice and video content for television programming, business communications, broadband and Internet connectivity. Our product and service portfolio includes:

- **Bandwidth services**—Skynet's integrated suite of satellite-based services enables global solutions for all broadcast and communication needs.
- **Network services**—Skynet's combined global satellite fleet and terrestrial fiber provide a robust communications platform optimized for high performance, cost efficiency and global access wherever our customers need it.
  - ***SkyReach***℠—A networking service delivering reliable, high speed IP applications and access over public and private networks, *SkyReach* offers a flexible, scalable and easily deployed hub-based platform that allows our customers to create a full-featured IP network connecting their offices, facilities, and installations worldwide.
  - ***Digital Link***—Skynet's networking service provides dedicated clear-channel, point–to-point or point-to-multipoint connectivity where high reliability, security, and high throughput are required.
  - ***Internet for ISPs***—Skynet's networking service provides direct, high-speed, dedicated access to the Internet backbone for ISPs looking for connectivity from hard-to-reach or underserved locations.
- **Professional services**—Skynet's expert-based customized technology and satellite operations solutions deliver value-added services for both short-term and strategic business needs. Skynet has amassed a body of satellite engineering, operations and enterprise networking expertise second to none in the satellite industry.

Worldwide Presence

In the Americas:	*In Europe:*	*In Asia-Pacific:*
Bedminster	London, UK	Singapore
Washington	Munich, Germany	Beijing, China
San Francisco		Bangalore, India
Los Angeles		
Denver		
Rio de Janiero, Brazil		

For more information,
visit www.loralskynet.com

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PROFILES

ILC's *MaxView*: Affordable and Complete Network Control

NBC needed software that could reliably automate digital video/data feeds between the NBC Network, MSNBC, CNBC, 14 NBC owned-and-operated stations, and 172 NBC affiliates. This is why NBC chose *MaxView*: Made by ILC (www.ilc.com), *MaxView* is 'network control software' that stands head and shoulders above ordinary Monitoring & Control (M&C) software or typical network management systems. "The challenge of implementing a newly digitized, nationwide system with varying hardware and software is considerable," explains Larry Thaler, NBC's Director of Distribution Projects.

NBC isn't the only major U.S. broadcaster to choose *MaxView*. PBS has also deploying this software at its primary and back-up broadcast facilities to monitor and control program delivery to its 349 member stations. With *MaxView* in place, PBS operators find it far easier to deal with primary network transmission problems by quickly switching to broadcast from an alternate location.

"*MaxView* will help our operations staff to work more efficiently," says Bill Hull, PBS' director of satellite operations.

How can one software package do so much? "The answer is that *MaxView* is a 'Total Control System' that quickly integrates all non-standard legacy equipment and next generation networks into one easy-to-control system," replies ILC Vice President and COO Mark Krikorian.

Here's how *MaxView* does it:

First, *MaxView* is network- and equipment-agnostic: it takes whatever the client has in the network and makes it all work together in a single environment with a single user interface. This includes satellite and terrestrial networks, proprietary and open standard systems.

Second, *MaxView* is easy to configure. Simply drag-and-drop the components you need in the layout you like to create the custom network management system that fits your organization.

Third, *MaxView* is based on a distributed processing system. Clients can run MaxView on a single computer or across a number of networked low-cost computers, to provide the M&C management power of a mainframe without the cost or the centralized vulnerabilities.

Fourth, *MaxView* meets the high standards of the U.S. Department of Defense. Specifically, *MaxView* is DII-COE Level 6 Compliant, with a clear migration path to Levels 7 and 8.

Fifth, *MaxView* is the fastest-installed M&C system in its field: from a couple of weeks for small networks, to four to six months for million-device networks. "Our implementation period for NBC took less than six months," says Krikorian. "That's unheard of in this industry."

Finally, *MaxView* is affordable. This is because *MaxView* is an off-the-shelf application that is easily customizable, rather than a custom application whose cost is borne by a single client.

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FOXCOM

Introduction

Foxcom, a division of OnePath Networks was founded in 1993 and is recognized as a leading provider of fiber optics solutions to the professional satellite and video distribution markets. Foxcom's global sales and marketing offices are divided between our Princeton, NJ supporting customers in North and South America, while our research and manufacturing center, based in Israel, supports sales into Europe, APAC and Africa.

Our Products

Foxcom's Sat-Light Family of fiber optic interfacility links transport satellite signals in earth stations, broadcast facilities, Internet Service Providers (ISPs), cable TV headends, RF over fiber and other communication gateways. Supporting L-Band, IF, C, X and Ku Band, Redundancy, M & C and serial data communication, Sat-Light provides a complete solution.

Foxcom's SDTVplus enable service providers to deliver 3 GHz to each living unit in any high-rise or garden-style building complex, campus, hotel, condo or community- providing each tenant or resident with symmetrical Internet access at up to10 Mbps and up to 500 channels of entertainment video (both CATV and DBS /DTH), local off-air UHF/VHF television, security services and more.

Our Quality

All Foxcom product lines use standard off-the-shelf components with multiple sources for key components. Foxcom's R&D, final assembly and testing take place in its Israeli Headquarters delivering ISO 9001 certified products, meeting CE (European Union) and FCC approvals. Foxcom's MTBF ratings are among the highest in the world. All Foxcom products are UL certified.

Our Customers

Foxcom has developed a blue chip customer list representing the top satellite service providers and system integrators around the world. To date, Foxcom fiber optic products have been sold to more than 50 countries making Foxcom a quality brand recognized throughout the market.

Our Mission

Building on its strong technological foundation of optical broadband solutions, Foxcom intends to stay at the forefront of the HFC broadband networks industry by designing and manufacturing innovative systems that help give service providers and operators throughout the world the leading edge.

www.foxcom.com

Gilat Satellite Networks

Gilat Satellite Networks Ltd. (Nasdaq: GILTF) is a leading provider of satellite and hybrid telecommunication solutions and operations. Gilat operates under two business units, Gilat Network Solutions (GNS) and Gilat Network Operations (GNO). With over 500,000 Very Small Aperture Terminals (VSATs) shipped in more than 80 countries across six continents, GNS delivers satellite communication solutions to operators worldwide. GNO provides end-to-end enterprise and consumer networking as well as rural communication operations. Gilat's headquarters is located in Petah Tikva, Israel, Spacenet operation center is in McLean, Virginia and rural operations centers are in Latin America. In addition, Gilat has 14 local offices and 4 service facilities worldwide.

The Company's networks feature a small satellite dish and sophisticated networking electronics and software and are used by large enterprises, telephone companies, Internet service providers and governments to provide a communications infrastructure which is independent of fixed land lines. Gilat's technology provides reliable end-to-end VSAT satellite connectivity to the world, creating the ability to connect where alternatives are too costly, limited, or non-existent.

For more information go to www.gilat.com

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PROFILES

GLOBAL LINK *Productions, Inc.*

Live News, Sports and Teleconferencing

Global Link Productions is the premier Western U.S. uplink company with a fleet of KU-Band uplink trucks providing specialized uplinking/downlinking and production services. Headquartered in San Jose, California, the Company provides comprehensive broadcast services around the world.

Customers needing to uplink ***full motion*** video and audio, either one-way or two way, can rely on Global Link to provide a FULL turnkey, end-to-end solution. Additionally, Global Link broadcasts two-way IP data for clients around the world and has KU-Band flyaway units ready to deploy that are custom-configurable.

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Global Link prides itself on offering the client superior service over its competitors by going the extra mile. Our camera/production crews have been deployed all over the world to shoot stories. From single camera shoots to 6+ camera events, studio configurations, steady-cams, flying jibs to wireless helmet cams for special operations, *we stand ready to do the same for you!*

For fixed or more permanent installation solutions, please contact our nationwide integration/ engineering company,

Agile Communication Systems, 408-782-1371, www.agilecoms.com.

For superior transmission services and camera / production crews, contact:

Global Link Productions,
800-676-4080
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SM

PROFILES

ND Satcom

Welcome to ND SatCom

We are a leading global supplier of satellite-based broadband VSAT, broadcast and defence communication network and ground station solutions. Our comprehensive and tailored solutions are deployed in broadcast & media, enterprise, telecom, government and defence environments worldwide. Our broad experience enables us to anticipate changing requirements within and throughout these markets and tap into the synergies existing between them.

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/ Broadcast Solutions
/ Defence Network Solutions
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For more information e-mail:
info@ndsatcom.com

Paradise Datacom

Paradise Datacom has served the Satellite Communication Industry since 1989 through the design, manufac-ture and supply of quality products that include modems, solid state power amplifiers (SSPAs), low noise amplifiers (LNAs) and block up-converters (BUCs).

With manufactur-ing centers located in both the United States and in the United Kingdom, Paradise Datacom provides its customers with convenient access to the Paradise management and support teams at all times. The company's range of products includes a complete line of full-featured satellite modems, hybrid modem/multiplexers, some of the lowest, uncooled, noise temperature LNAs available in the industry, rack mountable (up to 1.1 kW) and compact outdoor/weather-proof (up to 700 watt) SSPAs .

John Restivo, recently appointed as Paradise Datacom's new CEO, says that "Paradise has a great reputation in the satellite industry for the supply of innovative, cost effective, quality products in the global market. My vision for the company includes keep-ing in step with the current market and technology trends to ensure Paradise Datacom products incorporate the latest feature sets and performance specifications sought by today's government and commercial customers. We produce indoor and outdoor solid state high power amplifiers with some of the highest out-put power-to-weight ratios in the industry."

Restivo brings to Paradise Datacom more than 15 years of engineering and management experience from industry leaders such as Scientific Atlanta, TriPoint Global Communica-tions, Radyne/ Comstream and ViaSat. As part of the never-ending mission to provide the highest level of customer support possible, Paradise Datacom recently announced the open-ing of a regional sales office located in Atlanta, GA.

For more information, visit us at www.paradisedata.com.

PROFILES

PROMAX ELECTRONICA SA

PROMAX ELECTRONICA SA is a leading company in the area of testing and measurement with a focus on information technologies and telecommunications. The product lines include instruments to install, certify and maintain fiber optic networks, as well as baseband services such as MPEG2, and broadband services such as Cable TV, satellite, and digital terrestrial television.

The company was founded in Barcelona, Spain, in 1963 and at present has a wide sales network with service and calibration facilities in several countries. Over its 40 year existence, PROMAX has developed a large number of products, spectrum analyzers, signal level meters, TV pattern generators, cable TV analysers or DOCSIS cable modem analyzers are some of the products we can offer to the industry.

www.promax.es

SeaTel

Sea Tel was founded in 1978 and is today the largest manufacturer of commercial shipboard stabilized antenna platforms in the world for satellite communications and satellite television systems. Initially, Sea Tel systems were very large and suitable only for very large ships. But with the increased power of modern satellites serving maritime interests, Sea Tel has introduced much smaller dishes and systems, and many new applications

The company offers a wide range of maritime antennas. With Sea Tel's leading track record of military and commercial applications, whatever the model, you can count on durability, simplicity of design, innate ruggedness and meticulous attention to detail unmatched by any commercial manufacturer in the world.

Sea Tel holds sole access to key US Patents and other proprietary technology that assure you get a stable satellite signal, one you can count on even in rough seas and gale force winds. Sea Tel products combine the highest levels of performance, reliability and affordability. Authorized Sea Tel agents and factory service technicians provide service and support. Since eighty percent of Sea Tel's revenue is from international sales, you can find servicing agents throughout the world.

There are more than two dozen basic models of stabilized antennas ranging in size from 0.3 to 3.6 meters. Sea Tel systems are used in private, commercial and navy applications for two-way satellite communications, TV-at-Sea, Internet-at-Sea, and high speed data applications. Sea Tel satellite antennas and electronics are installed on almost every type of vessel around the world, from private yachts to cruise liners, oil rigs, tankers, freighters and Navy aircraft carriers.

Sea Tel's specialty is the manufacture of servo-stabilized three-axis pedestals, which are design-protected by basic letters patent for which Sea Tel holds exclusive manufacturing rights. These three-axis pedestals incorporate Sea Tel's latest technology enhancements in smaller radome size and higher stabilization accuracy.

With almost three-quarters of the world's vessels relying on Sea Tel stabilized antenna systems for their commercial satellite communications, it's no wonder Sea Tel products and services have earned the reputation as the most trusted and reliable in the industry.
www.seatel.com

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