

ENTERPRISE SOLUTIONS



*End-to-end
bundled service
solutions enabled
by IP-based
satellite
communications
and wireless
technologies,
including overall
operations and
maintenance for
high-bandwidth
global networking
requirements.*



GLOBECOMM SYSTEMS INC.

The World's Resource for Wireless Solutions

CONVERGENCE

- ✓ The global trend toward the convergence of voice, data and video on a single network reduces the cost of the infrastructure.
- ✓ TCP/IP provides a universally interoperable protocol.
- ✓ While every major carrier is racing to develop IP services...

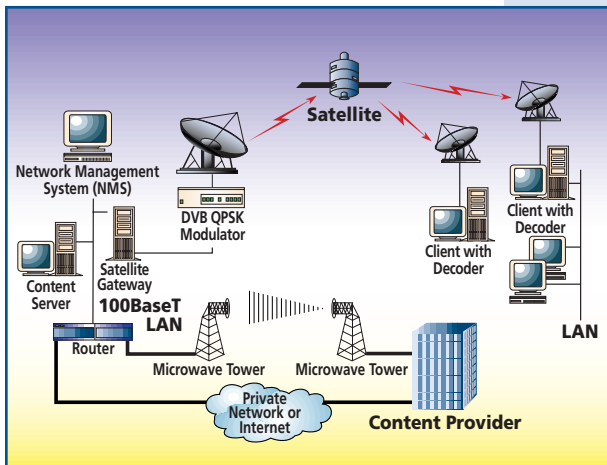
...Globecomm Systems' Subsidiary, NetSat Express, is an IP service provider today!

GENERAL DESCRIPTION

Globecomm Systems Enterprise Service Solutions combine the capabilities of one of the world's leading providers of turnkey satellite communications ground systems and networks, with the capabilities of NetSat Express, a leader in Internet access via satellite and IP solutions for global intranets, to provide "anywhere-anytime" bundled service offerings. Together, Globecomm Systems and NetSat Express provide a unique capability to design and implement custom-tailored, end-to-end services that can solve many of the existing and emerging global communications problems faced by companies, enterprises, and government entities where high-bandwidth communication is required in locations around the globe.

This unique combination of Internet Protocol engineering and satellite communications engineering capability, and a full range of satellite and terrestrial services, provides our customers with "one stop outsourcing" for their global telecommunication service requirements. This allows users to concentrate on their own core business offerings, while obtaining the required telecommunication services at competitive prices with the desired quality of service.

Often, Globecomm Systems Enterprise Service Solutions include satellite services, earth station hardware, terrestrial services, and 24/7 operations and network management. We invite you to contact us at any time to discuss your particular end-to-end service requirements. Our customers define their telecommunication requirements to our application engineers, and then Globecomm Systems, in cooperation with NetSat Express, develops a customized proposal for implementation of the required services by leveraging our facilities in New York, Los Angeles, and London, as part of an end-to-end solution. Our service solutions provide global coverage using satellites accessible from these three strategic locations. At each of these locations, Globecomm Systems and NetSat Express have rich fiber connectivity for interface to terrestrial networks in the U.S. and Europe.

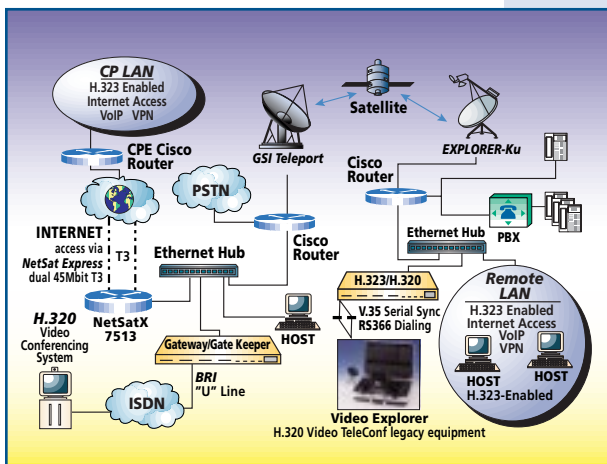


Typical Satellite DVB Network for IP Multicast

FEATURES

Bundled Service Offerings include:

- Complete Hardware Solutions implemented globally
 - satellite earth stations
 - wireless local loop access systems
- Complete Service Solutions
 - Internet Access
 - IP Telephony
 - IP Multicast
 - Digital package delivery
 - Streaming media
 - Uplink services in New York, Los Angeles, and London
 - End to End network engineering
 - Operations and maintenance
 - 24 / 7 Network Operations Centers (NOC)
 - Terrestrial connectivity
 - Virtual Private Network offerings
- Economical
 - High-bandwidth, IP-based networking "anywhere-anytime"
- Global Coverage
 - Available virtually anywhere in the world within available satellite footprints, regardless of terrain, distance or climate
- Highest Quality of Service and On-time Delivery
 - Proprietary network simulation and earth station simulation software allows us to validate solutions before implementation, to assure on-time delivery and quality of hardware and services
- Rapid Deployment
 - Globecomm Systems' regional Business Teams implement your solution on-site, in a timely manner, anywhere around the globe
- Easy-to-have, easy-to-use
 - We do everything needed to design, build, operate and maintain your Enterprise Solution, so you can concentrate on your core business



Typical IP Multimedia Application

ON THE COVER

Top: The Long Island International Teleport located at Globecomm System's headquarters. Additional antennas are rooftop mounted.

Bottom: The NetSat Express Network Operations Center, located at The Long Island International Teleport.

APPLICATION INFORMATION

Globecomm Systems, with satellite services provided by its NetSat Express subsidiary, designs your Enterprise Service Solutions by analyzing your service objectives and analyzing the alternatives available to meet those objectives. We then select the appropriate technologies to satisfy your requirements in the most cost-effective manner, while meeting your quality-of-service objectives. In addition, we provide, operate and maintain the facilities required, and operate shared-hub multi-media teleports on both coasts of the United States and in Great Britain, as well as a Global Network Operations Center, located at our Long Island International Teleport in Hauppauge, New York. From the Global Network Operations Center we manage everything from the space segment, and terrestrial facilities to the performance of local and distant earth station facilities, through our state-of-the-art network management systems.

We apply these technologies and services to satisfy such applications as:

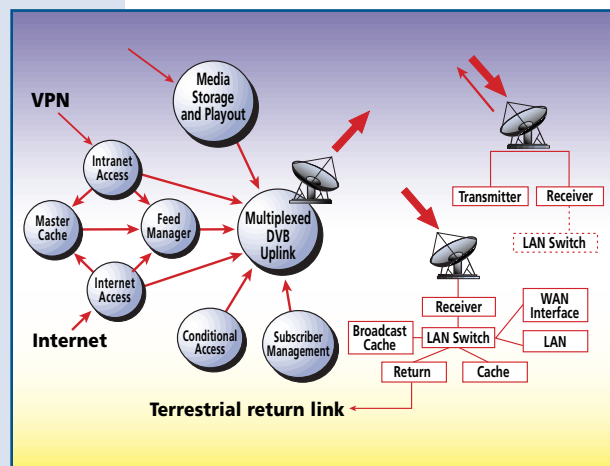
- Voice networking -- mobile or fixed
- High-bandwidth data networking -- mobile or fixed
- High-bandwidth Internet access -- point-to-point or point-to-multipoint
- Multicast
- Circuit switched networks
- Packet switched networks
- Urban, suburban and rural telephony
- Wireless overlay of existing wireline services
- ISP-to-Internet data connections
- Customer-to-ISP Internet data connections
- Earth station and multi-media teleport operation

TYPICAL SYSTEM DEFINITIONS REQUIRED TO DEVELOPE ENTERPRISE SOLUTIONS

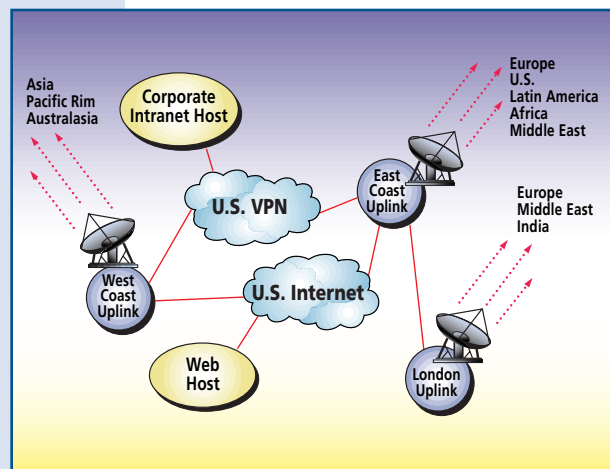
- Your communications objectives
- Quality-of-Service objectives
- Type and volume of "material" to be supported -- Voice, data, video, multi-media, Internet
- Number of sites and number of users per location
- Geographic location of sites and users
- Existing alternative communications systems
- Traffic growth forecasts
- Interactivity requirements
- Caching requirements
- Transportability requirements
- Environmental requirements
- Network management requirements
- Operational deadline

A SAMPLING OF OUR ENTERPRISE NETWORK DESIGN AND IMPLEMENTATION EXPERIENCE

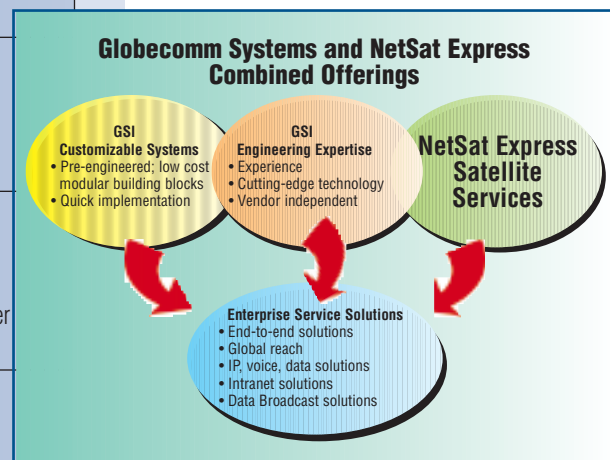
ENTERPRISE	SOLUTION
Telecom Carrier	<ul style="list-style-type: none"> • 45 Mbps connection to Australia from Los Angeles -- • Los Angeles teleport shared hub • Intelsat C-band satellite space segment • Earth stations in Australia
Telecom Carrier	<ul style="list-style-type: none"> • Digital communications uplinks/downlinks • Long Island International Teleport shared hub • SatMex5 C-band satellite space segment • Co-location of customer equipment • Interconnection to customer network
Corporate Customer	<ul style="list-style-type: none"> • Digital communications services • Long Island International Teleport shared hub • New Skies C-band and K-band satellite space segments • C- and K-band fly-away earth stations • Integration of services into fiber back-haul network to customer • Integration of customer-defined satellite network
An Oil Services Company	<ul style="list-style-type: none"> • Long Island International Teleport shared hub • GE Ku-band satellite space segment • Mobile, vehicle-mounted Explorer-Ku satellite earth stations
A Major Prime Contractor	<ul style="list-style-type: none"> • Los Angeles teleport shared VSAT hub serving Pacific • Intelsat Ku-band satellite segment covering Japan and Korea • Fiber back-haul to customer location
Telecom Carrier	<ul style="list-style-type: none"> • Long Island International Teleport Network Operations Center • 24 / 7 monitoring of customer routers and UK earth station



Typical Integrated Service NOC and Downlink Options



The Worldwide Enterprise Solutions Network



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**Leading-edge telecommunications systems...mission critical networks...
 high-quality, competitively priced satellite earth stations...out-of-this-world
 engineering, down-to-earth service...and exceptional value in everything that
 bears our name. That's Globecomm Systems Inc., the place where superb
 engineering intersects advanced information technology to provide you with
 maximum productivity.**

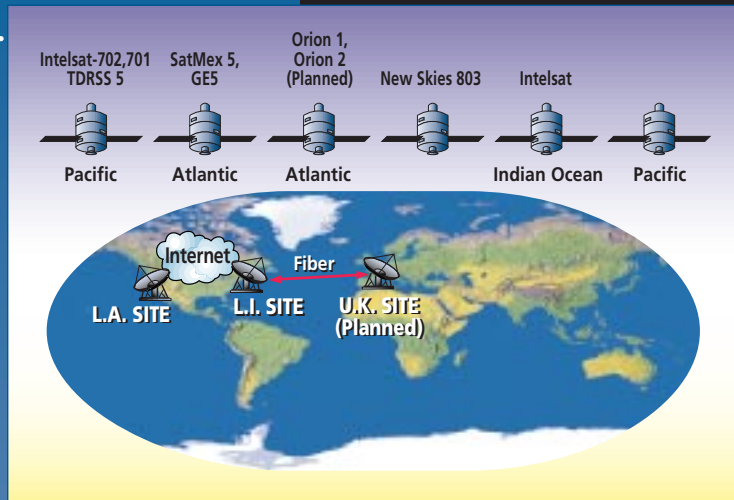
**From requirements definition and simulation of solutions, through custom
 installations of hardware and software, Globecomm Systems is a powerful ally
 when it comes to leveraging wireless and satellite communications systems to
 your fullest advantage.**

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GLOBECOMM SYSTEMS PRODUCTS AND SERVICES INCLUDE

- Enterprise Solutions
- PSTN Interface Engineering
- Traffic Analysis
- Network Analysis, Design and Implementation
- Earth Station Analysis, Design and Implementation
- Earth Station Products
- Network Management Systems
- Training and Customer Support
- Operations and Maintenance
- System Engineering and Application

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GLOBECOMM SYSTEMS PRODUCTS AND SERVICES INCLUDE

- Enterprise Solutions
- Wireless Local Loop Telephone Networks
- Intelsat Standard A Satellite Gateways
- Modular Building Block Satellite Terminals
- Satellite and Wireless Networks
- Telemedicine Networks
- Customizable Systems
- Direct-to-Home Broadcast Centers
- Military and Commercial Portable Communications Systems
- Network Monitor and Control
- Hub Earth Stations
- General Purpose Compact Earth Stations
- Explorer II™ Portable Satphone with ISDN Capabilities
- Explorer-Ku™ Multimedia Portable Satellite Earth Stations
- NetSat Express High-speed Internet Access
- Long Island International Teleport™
- WorldSpace Processed Feeder Link Earth Stations



**Globecomm Systems is constantly
 expanding its satellite network to
 provide global enterprise solutions.**

ISO 9001 CERTIFIED



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The World's Resource for Wireless Solutions

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