



## MOBILE SATELLITE SERVICES - MSS

A family of mobile satellite solutions that provides voice, SMS, data and Internet communications with global coverage.

They are ideal for business, institutions and humanitarian organizations. For energy and utilities industries, banks/finance, construction and media companies, travelers, plane and boat owners.

It is ideal for those requiring a primary or backup communication links, for operators and branch offices located in remote areas where terrestrial connectivity is absent or poor and for those who need to communicate with their staff and headquarters.



### TELESPAZIO ROLE:

Telespazio as Inmarsat and Iridium Partner can provide a large portfolio of satellite communication solutions and services available anywhere at anytime. A skilled team of engineers and technicians are dedicated to help you to choose the satellite device and subscription plan that better fit your requirements.

#### Personalized Subscription Plan



- Prepaid Plan
- Postpaid Plan
- SCAP 'Shared Corporate Allowance Plan'
- Static IP address
- Geographic Plan

#### Professional and Technical Services



- Skilled Help Desk
- VPN configuration
- Traffic Usage Control through alert emails and/or automatic SIM suspension
- Periodic customized traffic reports

#### Integrated Solution



- Hybrid solution (terrestrial/satellite)
- Turnkey Project management
- Design and implementation

## SERVICES AND SOLUTIONS:

Inmarsat constellation is an L-band satellite system in geostationary orbit.

It can be used to send and receive calls, surf the internet, send and receive text messages and video files from any part of the world excluding Polar regions.



Today is operative the Inmarsat-5 constellation, the world's first global Ka-band mobile satellite system delivering high-speed broadband to compact user terminals on land, at sea and in the air. The network is called Global Xpress.

### Broadband

**BGAN:** simultaneous voice and broadband data communications worldwide using small and lightweight satellite terminals.

**BGAN Link:** suitable for mobile emergency offices located in remote areas requiring communication availability (e.g. internet access, email, web browsing, video conference, VPN, etc.)

**BGAN Link Back Up:** an ideal emergency and back up solution when the primary line as a fixed site VSAT service including Inmarsat GlobalXpress or other is not available.

**BGAN Vehicular:** for simultaneous voice and data communications while a vehicle is moving.

### Main Features

- Data Speed up to 492 kbps (send and access)
- Internet and email
- Voice up to 4 Kbps at the same time as accessing data applications via a standard desktop phone
- Streaming IP up to 650 Kbps
- ISDN from 32 and/or 64 Kbps

### Supported applications with HDR

Streaming/live video/video surveillance/telemedicine/ Secure access to a VPN

- Streaming Ip up to 850kbps
- Asymmetric FC/64 Asymmetric HC/64
- Symmetric FC/FC
- Symmetric HC/HC
- FC > Full channel > from 600 to 850 Kbps
- HC > Half channel > from 300 to 420 Kbps

### Voice and Data

**IsatPhone (GSPS):** provide a clear, dependable voice service from anywhere on the planet by using handheld satellite phones.

### Maritime

**FleetXpress:** the hybrid broadband maritime communications service delivering high data speeds enabled by Inmarsat's Global Xpress Ka band technology combined with the proven FleetBroadband Service in L-band.

**FleetBroadband:** an Inmarsat maritime satellite service providing voice, Internet and data communications across the world's oceans through a compact antenna, delivered globally via the I-4 satellite and ground network.

### Machine to Machine

**BGAN M2M:** agile satellite services suitable for data transmission with low latency. For those who needs to track and monitor own assets located in remote areas. Ideal for those who needs to send Megabytes of data (per terminal / per month).

### Aereo

**SwiftBroadband:** global voice and high-speed data, simultaneously, through a single installation on aircraft.

### Main Features

- Voice-SMS and Email- Speed at 2,4 kbps. Up to 10 outbound messages can be concatenated to form a 1600-character "long" message

### Main Features

- Voice-SMS and Email
  - Internet and intranet
  - Fleet Xpress is a fully redundant and resilient service, with VSAT and FleetBroadband terminals operating on separate networks
  - CIR up to 1 Mbps
  - MIR up to 4 Mbps
  - Up to 5 voice lines available
- Standardized plug and play service with 24/7/365 management, monitoring and support

### Main Features

- Voice-SMS and Email-
  - Internet and Intranet
  - Standard Ip up to 432 kbps or Streaming Ip
  - Guaranteed data rates up to 256 kbps
- The data transmission speed can be further increased by using compression and multiple channels.

### Main Features

- DATA
- Standard Ip up to 448kbps/464kbps (send and access)

### Main Features

- Voice and Data
- Standard Ip up to 432 kbps/Streaming Ip/ Compression option
- Simultaneous voice and data services, with up to 8 user access



## SERVICES AND SOLUTIONS:



Iridium constellation is an L-band satellite system in LEO (Low Earth Orbit). It can be used to send and receive calls, SMS and emails worldwide even in the Polar regions.

Iridium NEXT is a second generation worldwide network of telecommunication consisting of 66 cross-linked Low-Earth Orbit (LEO) satellites, delivering high-quality communication. Enabled by this new system Iridium Certus is the broadband service offering critical safety, L-band communications connectivity to the entire planet.



### Voice and Data

**Iridium standard:** to ensure you stay connected in even the most extreme and remote locations.

**Iridium GO!:** a compact, mobile satellite Wi-Fi hotspot enabling voice and data communication using smartphones (iPhone, iPad or Android). Up to five devices simultaneously connected.

### Machine to Machine

**Iridium SBD 'Short Burst Data':** economical and fully programmable satellite solution for transmission of Short Burst Data messages. For those who needs to track and monitor own assets located in remote areas. Ideal for those who needs to send Kilobytes of data (per terminal / per month).

### Main Features

- Voice-SMS and Email- Speed at 2,4 kbps up to 10Kbps with compression
- Integrated GPS-Supports online tracking and Google mapping
- Extra Customization Apps (for Iridium GO!)

### Main Features

- Packet-based service and IMEI based unit used for frequent short data transmissions (i.e. typical data usage in the 0-100KB range per month per device)
  - Messages exchanged via Email or IP Socket
  - Low, uniform global latency less than 20 seconds
- Coverage worldwide

### Maritime & Land -Voice and Data

**Iridium Pilot:** a truly flexible communications solution, delivers broadband data and high-quality voice in durable yet lightweight antenna's for easy and inexpensive installations.

Ideal for remote location and for maritime customers.

### Main Features:

- Email, SMS, instant messaging and web surfing and 3 voice lines
  - Broadband data speeds of 134kbps
  - Simultaneous voice and data
  - Can be integrated as part of a wider maritime VSAT solution
- Coverage worldwide







**iridium**

The **Iridium** constellation is an L-band satellite system in LEO ( Low Earth Orbit). It can be used to send and receive calls, SMS and emails from any part of the world, including the polar regions.



**inmarsat**

The **Inmarsat** constellation is an L-band satellite system in geostationary orbit. It can be used to send and receive calls, surf the internet, send and receive text messages and video files from any part of the world except the polar regions.