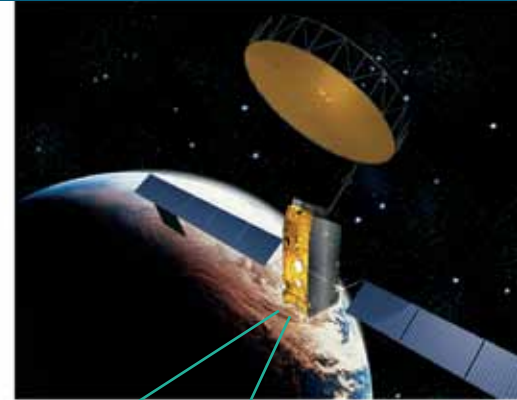


# INMARSAT D+

SOLUTION PROVIDER AND APPLICATION DEVELOPER

## FEATURES & BENEFITS:

- 2-way telemetry & control
- Remotely programmable
- Low cost/low power
- Near global coverage
- Compact/self-contained
- Multi-application suitability
- Digital and analog I/O
- User configurable messaging
- Internet accessible
- Security options



## INMARSAT D+

*Cost effective telemetry option for low bandwidth messaging and platform position monitoring.*

*Providing secure global coverage*



AXYS Technologies Inc. (AXYS) is a Service or Application Solution Provider for the Inmarsat (International Maritime Satellite) D+ data service that uses the commercial Inmarsat geosynchronous L-band mobile service satellites and infrastructure. This satellite service enables short data messages to be sent and received from small, low powered terminals for remote surveillance, asset tracking and short information broadcasts for maritime transportation & security, mobile fleet management and SCADA applications.

The four geostationary Inmarsat satellite are positioned 36,000 km from Earth so terminals rarely have to switch from one regional satellite to another, thus providing near global coverage. (see Coverage Map image)

Inmarsat D+ is a cost effective telemetry option for low bandwidth messaging and platform position monitoring for tracking, control and monitoring. Each two-way terminal is the size of a personal CD player, transmits data in 8 byte messages and can be either pre-programmed or remotely triggered to send automatic messages. This transmitted data is archived on a database and available for secure client access.

### AXYS' Custom Service

Through their proprietary software, AXYS provides custom application solutions for tracking, data acquisition and individual monitoring needs. All received data is archived in their on-site database and available for secure client login. Through this database, AXYS clients can administer their Inmarsat D+ terminals, tailor incoming information and allow custom user privileges.

### How the System Works

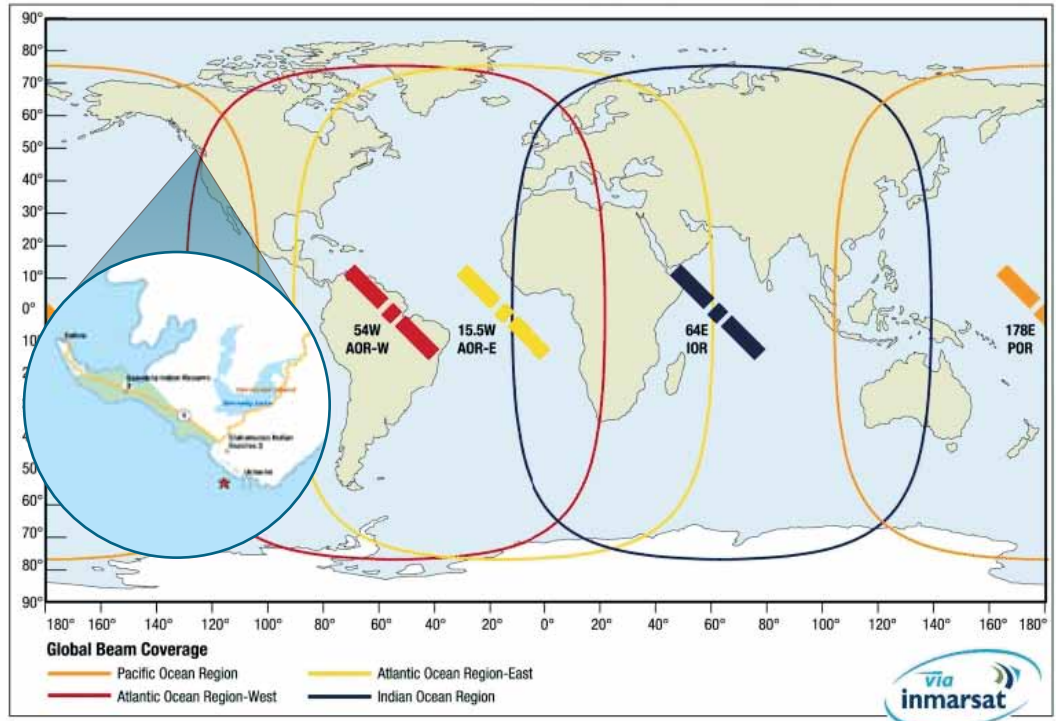
Each Inmarsat module is fitted with a satellite terminal that communicates by a secure global satellite network to Land Earth Stations (LES).

The LES converts the radio frequency signals into a digital message format.

A dedicated line to a Message Handling System (AXYS Technologies Inc.) at a centralized Data Centre then routs the information.

Using secure Internet connection or dedicated lines, the user (client) is able to send and receive messages to the remote satellite terminals from their personal computer or workstation.

### Inmarsat D+ Coverage Map



#### Secure Login AXYS Technologies Data Analysis Services

Client (ID - Name): sales - SALES DEPARTMENT

Username: sales

Terminal Name: AXYS\_DEMO

Terminal ID: 11111111

Message Type: Terminal Location

Start date: 2007 Jan 06 01:00

End date: 2007 Jan 06 23:00

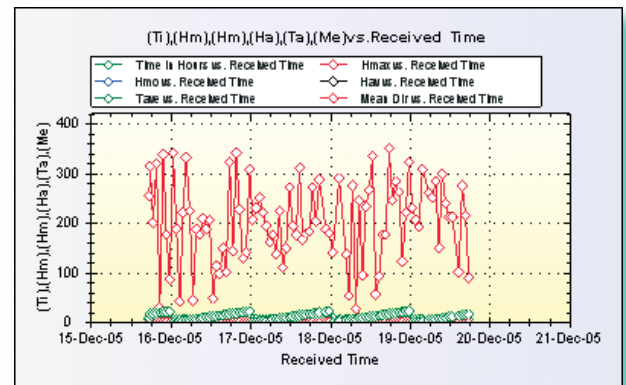
#### Terminal Location BETWEEN 12:00:00 17-DEC-05 AND 12:00:00 20-DEC-05

Click on a message parameter to sort in either ascending or descending order. To graph parameters select a parameter for the x-axis first, then choose additional parameters to graph with respect to the parameter that was chosen for the x-axis. The page will refresh with current data every 2 minutes. Specify a width and height and click on the enlarge button to show the graph in a different size. This can be used to analyze the data more precisely. The width and height for the graph is in pixels.

Received Time*	Latitude	Longitude	Altitude	Temperature	Salinity
2005-12-05 13:19:04	48.926430	-125.579383	0	12	12.40
2005-12-05 14:19:04	48.926430	-125.579383	0	22	12.60
2005-12-05 13:19:04	48.926430	-125.579383	0	14	12.20
2005-12-05 12:19:04	48.926430	-125.579383	0	22	12.60
2005-12-05 11:19:04	48.926430	-125.579383	0	12	12.20
2005-12-05 10:19:04	48.926430	-125.579383	0	16	12.40
2005-12-05 09:19:04	48.926430	-125.579383	0	14	12.20
2005-12-05 08:19:04	48.926430	-125.579383	0	14	12.20
2005-12-05 07:19:04	48.926430	-125.579383	0	16	12.20
2005-12-05 06:19:04	48.926430	-125.579383	0	12	12.20
2005-12-05 05:19:04	48.926430	-125.579383	0	16	12.20
2005-12-05 04:19:04	48.926430	-125.579383	0	14	11.60
2005-12-05 03:19:04	48.926430	-125.579383	0	20	12.20
2005-12-05 02:19:04	48.926430	-125.579383	0	12	12.20
2005-12-05 01:19:04	48.926430	-125.579383	0	22	12.40

(1 - 15 of 30) Current Page: 1 of 1

Display 15 Records



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