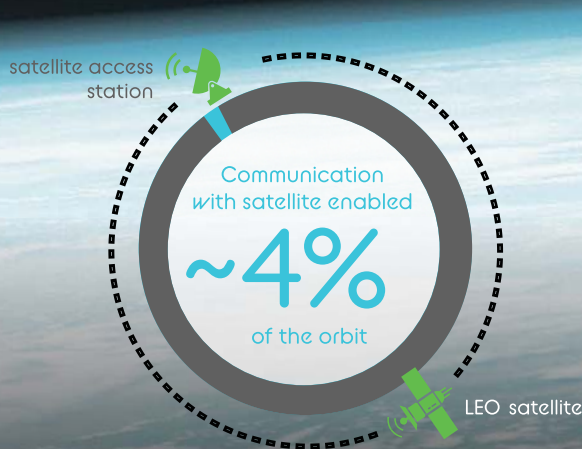


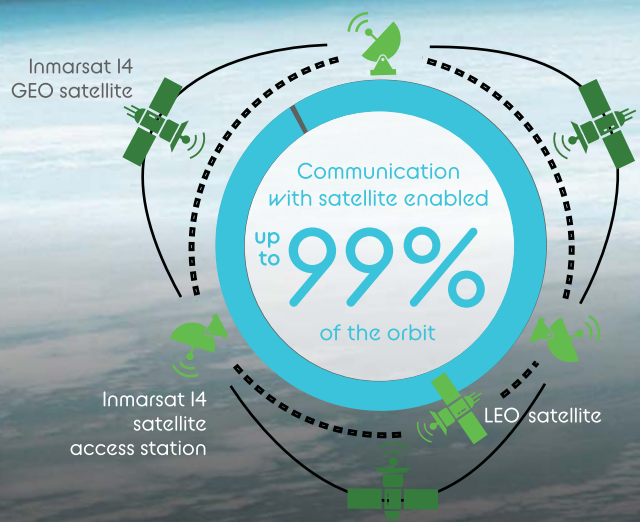
THE WAIT IS OVER

connect with your LEO satellite constellation in real time with IDRS™

Addvalue's Inter-satellite Data Relay System (IDRS) provides the world's first commercial, on-demand, real time connection to LEO satellites, enabling ground-breaking advancements in satellite operations. The IDRS solution is space tested and operates over Inmarsat's award-winning L-Band I4 GEO constellation. This allows LEO operators to communicate on-demand with their LEO constellation by relay within the Inmarsat network. With IDRS technology, LEO satellite operations will no longer be throttled by ground station scheduling, greatly improving the efficiency of LEO satellite fleet ops.



**WITHOUT IDRS SATELLITE
COMMUNICATION SOLUTION**



**WITH IDRS SATELLITE
COMMUNICATION SOLUTION**

The IDRS operational difference

- On-demand 24/7 communications link provides scalable, operational efficiencies for single satellites or constellations
- Facilitates real time tasking, and operational coordination across a LEO constellation
- Real time connectivity greatly reduces the time and cost of the commissioning period for LEO satellites
- On-demand tasking & control eliminates time delays between connectivity intervals, especially during operational issues, anomalies and urgent task requirements
- End-to-end links, compatible with user defined encryption, keeps data and communications secure
- "On-demand" service means the operator is always connected, but only billed for the data volumes that are sent and received
- Customer selects a "data plan" that is shared by the whole constellation, with price reductions available for large constellations and long service durations

The IDRS terminal

- Small and lightweight, compatible with nano and larger LEO satellites
- Based on proven space flight heritage, and in-orbit tested with the Inmarsat BGAN network
- Functions as a full-duplex IP modem/router at rates up to 200 kbps, creating secure and always-on IP based connectivity
- Provides low latency access to satellite bus and payload data

idrs@addvalue.com.sg
Tel: +65 6509 5700
Fax: +65 6509 5701
addvaluetech.com

Addvalue Innovation Pte Ltd.
202 Bedok South Ave 1, #01-11
Singapore 469332

addvalue 
driving connectivity



**REAL-TIME
CONNECTIVITY IS
A NEW PARADIGM
FOR COMMERCIAL
LEO SATELLITE
MISSIONS.**



IDRS™ Terminal specifications

The iIOO Transceiver

DIMENSIONS	< 125 x 96 x 70 mm ³
RELIABILITY	3+ years in orbit
WEIGHT	1 Kg
DATA RATE	Up to 200 kbps
ANTENNA OPTIONS	Directional antenna, Switched antenna, and Omni antenna options available
POWER CONSUMPTION	RX only, 8 watts RX & TX: 9-10 watts, typical, dependent upon traffic and antenna configuration
POWER RAILS	28 volts 2 amps
SATELLITE INTERFACES	RS-422, ethernet
IP CONNECTIVITY	Ethernet interface supports the full range of satellite application protocols: FTP, SSH, Telnet, HTTP, etc
TEMPERATURE RANGE	-25 to +55°C, operational -40 to +80°C, storage

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About Addvalue Innovation

Addvalue Innovation is a leading satellite-based communication solutions company with 25 years of success at its back. Addvalue provides state-of-the-art communication terminals for use in space, in the air, at sea, and on the ground. The company also offers extensive engineering and integration services to its customers.

Addvalue's expertise extends far beyond where the world's terrestrial networks end. Whatever the market or application, the company's wide range of satellite-based products and services is sure to offer the right technology to drive enhanced connectivity.

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idrs@addvalue.com.sg
Tel: +65 6509 5700
Fax: +65 6509 5701
addvaluetech.com

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202 Bedok South Ave 1, #01-11
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