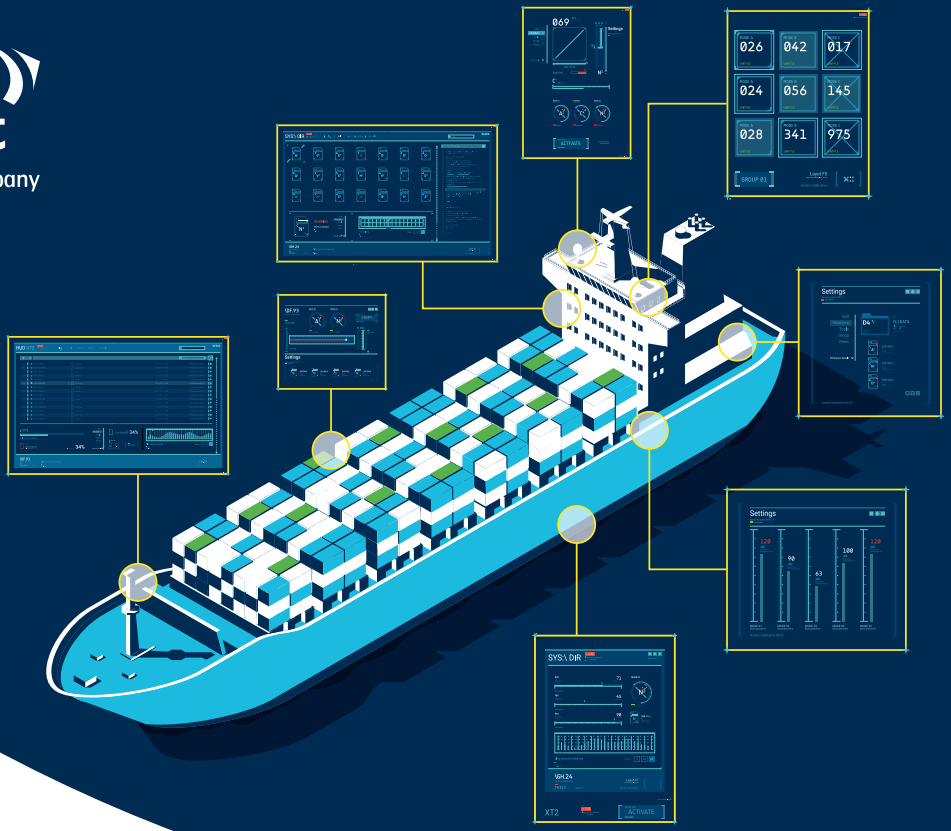
inmarsat
The mobile satellite company

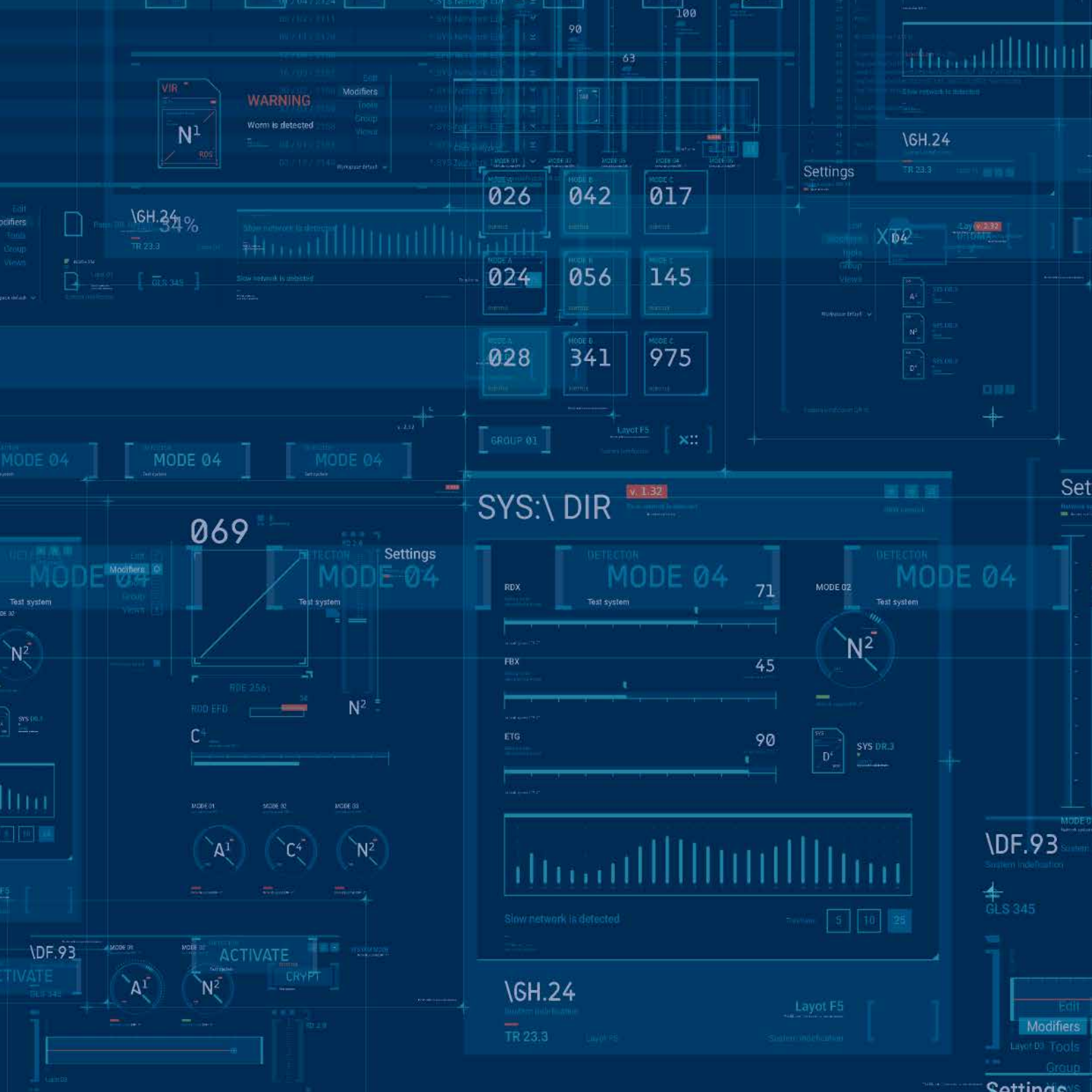


Fleet Data

The IoT platform for shipping

Get instant access to view and transfer data from onboard sensors

Powering digitalisation at sea
www.inmarsat.com/fleet-data


WARNING
Worm is detected
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Fleet Data

Allows ship operators to instantly access, view and transfer their data

Fleet Data is Inmarsat's innovative IoT platform with inclusive bandwidth, delivering full visibility of a vessel or fleet's data anywhere and anytime.

This ship-to-shore data automation solution allows ship operators to overcome the challenge of gathering and accessing data generated across their fleet.

Collecting data from onboard sensors, Fleet Data pre-processes it, and uploads it via the Inmarsat network to a secure central (cloud-based) database equipped with a dashboard and Application Program Interface (API). Data can then be accessed, modified and fully customised for further analysis.

Fleet Data is an enabler to improve operational efficiency, increase performance and benchmark data across an entire fleet or a single vessel.

How it works

Fleet Data is powered by Inmarsat's connectivity hardware modules. Developed using our decades of technology expertise and supported by our worldwide service network for installation and maintenance, these hardware modules provide the basic building blocks of a cost-efficient vessel IoT infrastructure.

Remote Data Interface modules pick up analog, digital or serial sensor data throughout the ship for onboard data collection, while the Vessel Remote Server module connects to the vessel's existing network/communication infrastructure for data transfer to shore.

- Dedicated bandwidth-inclusive service
- Connect to sensors quickly and easily
- Secure online dashboard
- Download data & develop reports & metrics
- Access to VDR data

The IoT platform for the shipping industry

Six steps to access, transfer and view your data

1. COLLECT

An Internet-of-Things (IoT) infrastructure collects data from onboard sensors and/or Voyage Data Recorder

2. SELECT

Data is pre-processed on board and can be managed and customized from shore

3. TRANSFER

Reports are transferred to shore via the Inmarsat network, without additional airtime costs

4. STORE

Data is stored on a Inmarsat server (Inmarsat Cloud solution)

5. EXTRACT

Data is extracted from the Fleet Data server via an API

6. ANALYSE

User creates customised views in Fleet Data dashboard or may use data in third-party applications to:

- Improve operational efficiency
- Increase performance
- Benchmark data

Data at your fingertips

Seamless integration into an easy to use dashboard and the ability to analyse data through third-party applications

Fleet Data dashboard

The Fleet Data dashboard provides a gateway to all sensor and VDR data collected onboard.

The ship operations team on shore can request data from specific sensors or set up a schedule of regularly recorded serial, analog and digital data downloads from each connected sensor.

The data can be displayed in customisable dashboards for monitoring of various vessel parameters from shore (such as position, speed, RPM, etc.), as well as trends within the data over time.

Advanced data analytics solutions

The data collected via Fleet Data can also be used by a range of third-party solutions to analyse data e.g. vessel performance and fuel optimisation.

The seamless interaction between Fleet Data and advanced analytics tools, provides decision support for shipowners and operators in order to analyse vessel and fleet performance and improve operational efficiency.

Various performance optimisation dashboards using data collected through Inmarsat's systems enables benchmarking and trend analysis on key performance indicators that could include fuel consumption and vessel operations.


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WARNING
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Modifiers
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Views
MODE A
028
SUBTITLE
MODE B
341
SUBTITLE
MODE C
975
SUBTITLE
Workspace default
069
Settings

How to buy

Fleet Data is available to Fleet Xpress and FleetBroadband customers on a yearly subscription basis direct from Inmarsat. Email us for more information maritime@inmarsat.com

inmarsat.com/fleet-data