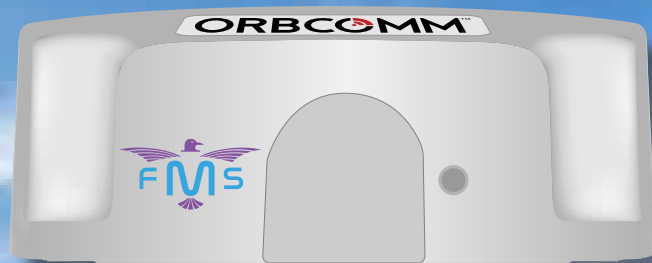


# Marine Asset Tracker

## FMT-MAT-V1



Marine Asset Tracker (FMT-MAT-V1) is an advanced Tracking System, consists of OrbcComm ST6100 Terminal, with global satellite connectivity over the IsatData Pro network.

Falcon Mega Solutions continues to develop and enhance marine tracking solutions. It empowers Shipping Owners to track and monitor their vessels and boats, giving them **increased visibility and enhanced efficiency, while lowering operational costs.**

In seamless synergy with our cutting-edge Marine Asset Tracker (FMT-MAT-V1), Falcon Mega Track (FMT) emerges as the ultimate Vessel Tracking solution. Embracing the maritime world with innovation.

### ONE HARDWARE SIX FUNCTIONALITIES



Tracking (Time-based & Distance-based Tracking)



Geofencing



V-Mail (Compressed Email Solutions)



Route Monitoring



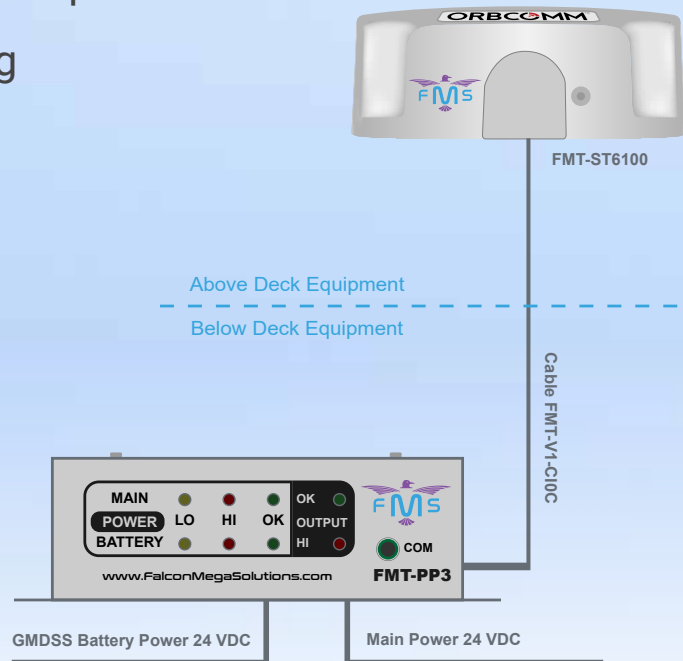
Live Weather Map



Dual Power Supply

## When it comes to tracking of vessels, no other company can match FMT-MAT-V1's features.

- ▶ Inmarsat Type Approved, and Global Coverage of Inmarsat
- ▶ Distance and Bearing from 5 nearest Ports
- ▶ Prepaid Airtime System & usage report
- ▶ Global Weather and Forecasting
- ▶ Two Years Tracking History
- ▶ Astronomical Calculations
- ▶ Quick Activation
- ▶ V-Mail Support



## Hardware Specification

### Satellite Terminal

**Make** Orbcomm

**Satellite** Inmarsat, Two-way, ISatData Pro Satellite Service, Global Coverage

### Electrical

**Input Voltage** 12 to 30V DC  
 Rx: 45mA, with GPS: 60mA  
**Power** Tx: 0.75A  
 Sleep: 100 micro A

### Environmental

**Operating Temp:** -40C to +85C  
**Dust/Water Ingress:** IP67  
 SAE J1455  
**Vibration:** (Sec 4.9.4.2 fig 6-8);  
 MIL-STD-810G (Sec 514.6)  
**Shock:** MIL-STD-810G (Sec 516.6)

### Certification

**Type Approval** Germanischer Lloyd, Inmarsat, IP67  
**Regulatory** CE (R&TTE, RoHS 2), FCC, IC, Anatel, MSS Russia, SRRC, RCM Mark, IEC 60945, C1D2

### GPS / Glonass

**Elevation Angle** -15 to +90 Deg  
**Acquisition time** Hot: 1 second;  
 Cold: 29/30 seconds  
**Accuracy** 2.5m/4.0m CEP-Horizontal

