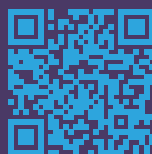


FMT-SSAS-V1 Ship Security Alert System



Scan to browse

Update: 17-Oct-2018



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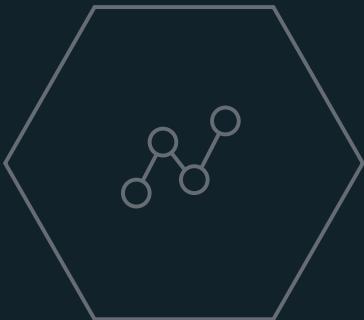
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About Company



Falcon Mega Solutions (FMS) is a leading service provider, and offers a state-of-the-art Tracking, Monitoring, and Security Solutions to Offshore, Marine and Fishing Industry.

We have a strong commitment for the continuous Research & Development and Improvement of our Solutions and Services. We aim to be the dominant Service Provider in the Maritime Security, Asset Monitoring, Tracking and Surveillance worldwide.



Our mission is to provide reliable and efficient technology to assist in making the Safe & Secure Sea for the vessels and their crew.

Hardware Specification

Satellite Communication

Make: Orbcomm

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

Certification

Type Approval: Germanischer Lloyd, Inmarsat, IP67

Regulatory: CE (R&TTE, RoHS 2), FCC, IC, Anatel, MSS Russia, SRRC, RCM Mark, IEC 60945, C1D2

Electrical

Input Voltage: 12 to 30V DC

Power: Rx: 45mA, with GPS: 60mA
Tx: 0.75A
Sleep: 100 micro A

GPS / Glonass

Elevation Angle: -15 to +90 Deg

Acquisition time: Hot: 1 second;
Cold: 29/30 seconds

Accuracy: 2.5m/4.0m CEP-Horizontal

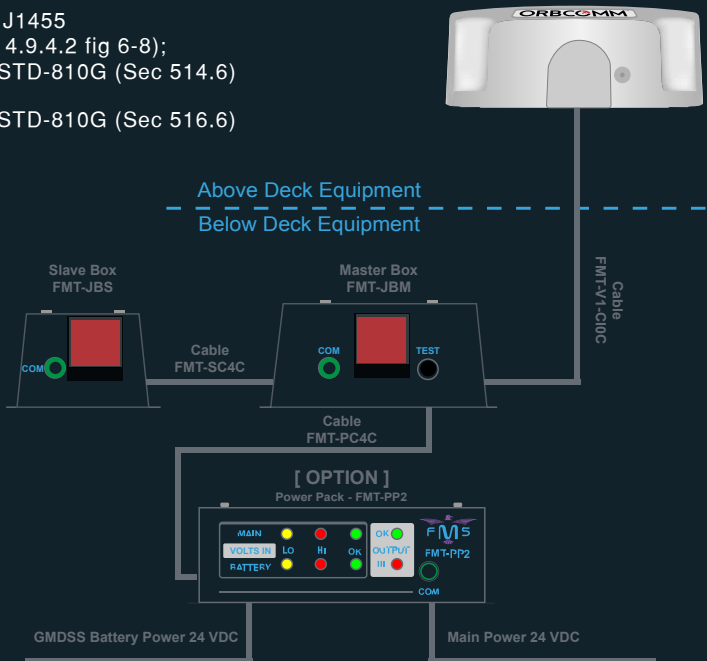
Environmental

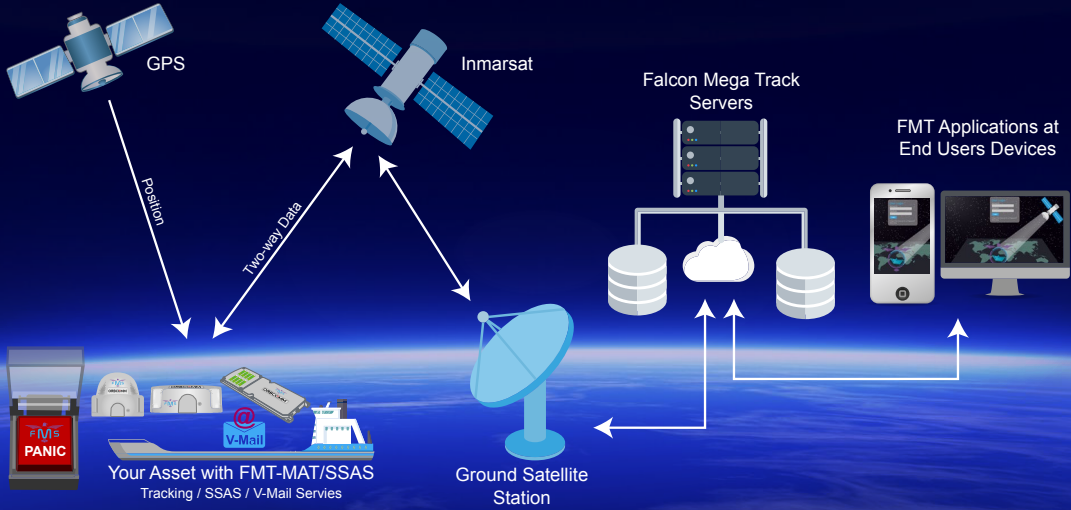
Operating Temp: -40C to +85C

Dust/Water Ingress: IP67

Vibration: SAE J1455
(Sec 4.9.4.2 fig 6-8);
MIL-STD-810G (Sec 514.6)

Shock: MIL-STD-810G (Sec 516.6)





01

ULTIMATE Choice of Ship Security Alert System (SSAS) for vessels more than 500 GRT

02

Prepaid Billing, No Hidden Cost

03

Ultimate Marine Asset Tracking powered by Track by Distance™ App. for Low Operational Cost

04

Type Approved SSAS Hardware

05

Email Support by Inmarsat Satellite Powered by V-Mail



Overview

FMT-SSAS-V1 is a Satellite ISatData Pro Terminal, programmed with Marine Asset Tracking and Ship Security Alert System, enables companies to track and monitor their vessels and boats, giving them increased visibility of business operations, enhanced efficiency, and greater safety and security for their vessels and boats, while lowering operational costs.

Secure HTTP encryption and password-protected identification ensure that sensitive data remains safe.

Key Benefits

1. Inmarsat Type Approve, CE Mark, FCC, RoHS, Anatel; Perfect for marine environment;
2. Global Coverage of Inmarsat;
3. Quick Activation;
4. Simple SSAS Testing;
5. User Friendly Control Panel;
6. Prepaid Airtime System - FMT Units;
7. Airtime usage report;
8. Distance and Bearing from 5 nearest Ports;
9. Two Years Tracking History;
10. Astronomical Calculations e.g. Sun Rise, Sun Set, Dawn, Solar Noon, Dusk, Day Light Period, Night Period;
11. Global Weather and Forecasting;
12. All standard tracking and SSAS feature available;

Applications



Technology

1. ISatData Pro Satellite Terminals, by Orbcomm, one of the leading company in the world for the development of M2M Satellite Terminal of Maritime Industry. IDP terminals are highly reliable and high efficient;
2. Robust hardware to stand with harsh marine Environment;
3. Highly Reliable Servers, 99.99% up time, running 24/7 with FMT Control Panel, the core application is the back bone of SSAS & Tracking system;
4. Secure Web Access to FMT Control Panel through HTTPS, powered by Professional SSL Certificates;
5. 24/7 Technical Support;
6. Continuous development and Improvement;
7. Prepaid Billing System, with 2 years billing and usage history online;
8. V-Mail Software specifically designed for IDP terminals, and with additional support of FleetBroadband and Terrestrial or Satellite Internet, to enhance Routine and Emergency Communication.

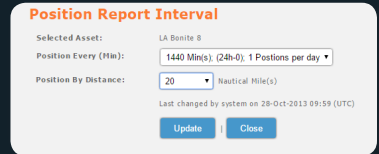
Satellite Coverage



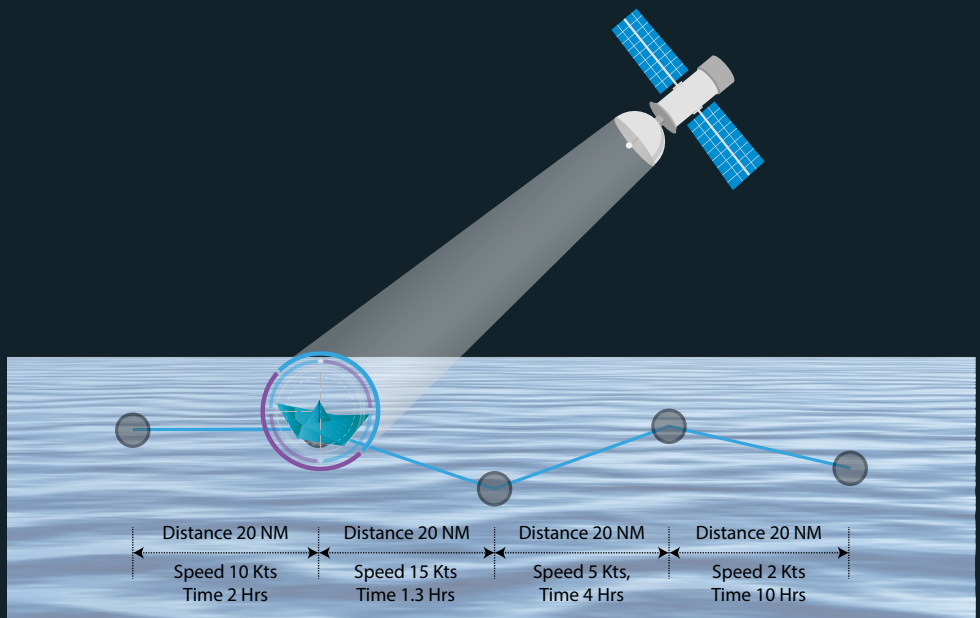
Track by Distance™

Track by Distance™ (TBD), developed by FMS, is an Application for Orbcomm IDP Terminal to economize the use of prepaid Airtime Units for the benefit of the customers of FMS. In addition to Time based Automatic Position Reports (APR), TBD Application enables IDP Terminals to send the APRs at set distance travelled, and that is really a true tracking of a vessel.

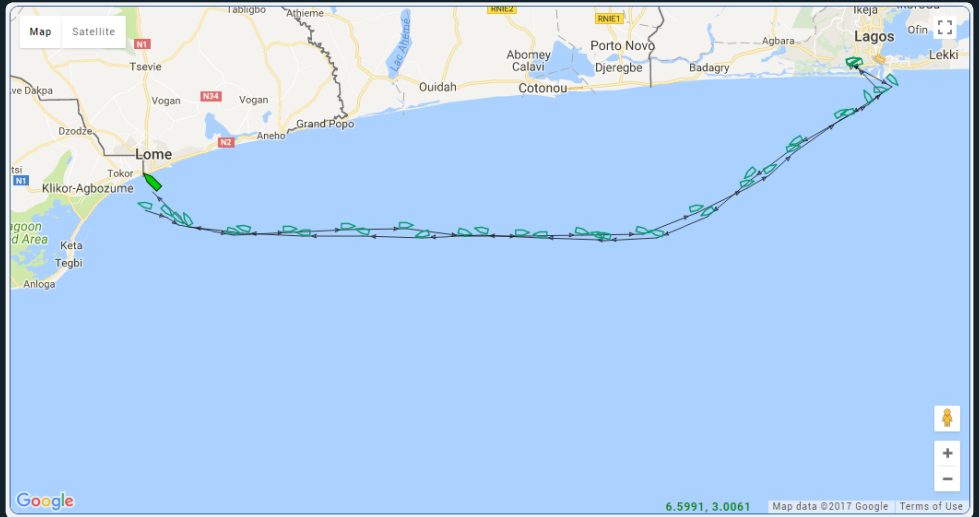
For Example, a Vessel is set on 2 APR per day, and 20 mile distance, the vessel will just send 2 APR/day while she is not moving, i.e. in port or at anchorage; and automatically starts APRs every 20 miles while she is moving, i.e. making way for the voyage.



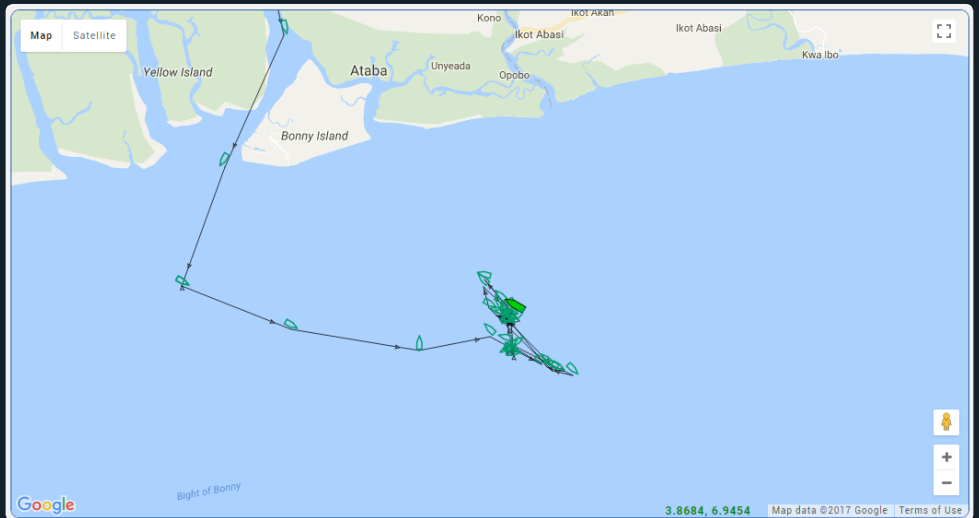
This feature not only helps avoiding unnecessary APRs for CSO's time saving, but also saves the Airtime Units while vessel is not moving, and ALERTS the CSO / managers of the vessels against unauthorised movement of the vessel.



Track by Distance ON



Track by Distance OFF





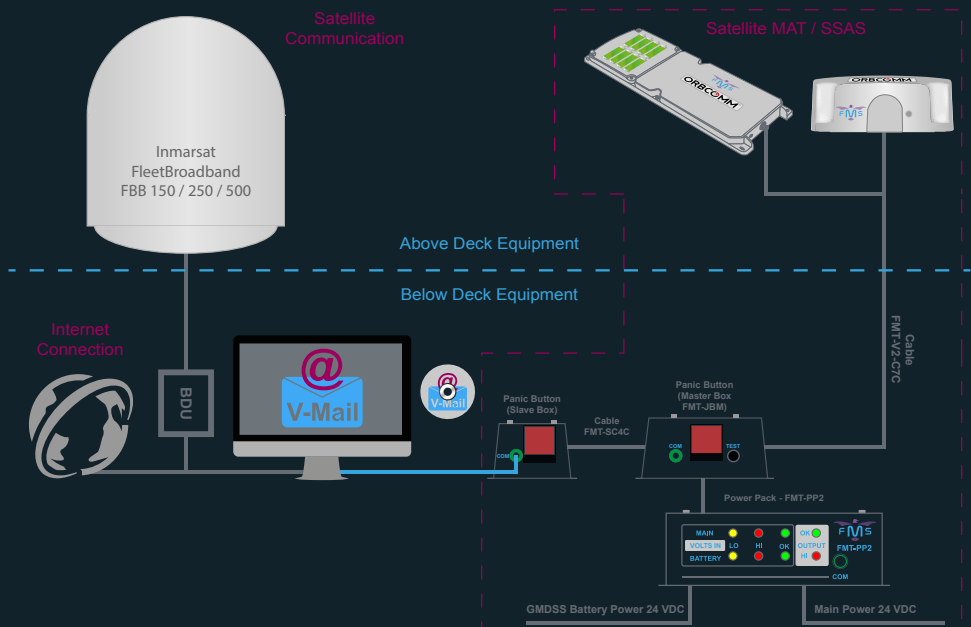
V-Mail

V-Mail Client is an email client that allows the vessels to send and receive short email messages through various FMT-SSAS/MAT terminals, and full functionality through Inmarsat FleetBroadband or any other INTERNET connection available. Vessel may use one or both connectives simultaneously.

Benefits of V-Mail

1. User Friendly; Low Cost Satellite Email Solution;
2. Two Connection, Two Email addresses but one email client; Ability to use two email address simultaneously, one for FMT IDP Terminals (Email Messaging only, without file attachment) and one for FBB/Internet emails (with file attachment support);
3. Much simple and user friendly as compared to major marine email clients e.g. Amosconnect, SkyFiles, GT Mail Plus etc.
4. Lowest License fee;
5. Full Functional Free Trial is available for customer satisfaction before purchasing of License;
6. Free License to use with FMT Terminals; e.g. FMT-SSAS-V1, FMT-SSAS-V2, FMT-MAT-V1, FMT-MAT-V2;
7. High cost saving on FBB airtime bills;
8. Perfect solution with use of FMT Email Servers and V-Mail Client to control over the data usage and SPAM filtering;

9. Capability to Send and Receive emails through Inmarsat FleetBroadband (FBB) and any other Internet Connection available onboard, in addition to FMT IDP (SkyWave/Orbcomm) Terminals;
10. 24/7 Connectivity through FMT IDP terminals without any stand-by cost of airtime;
11. 27/7 Connectivity, manual connection or on demand connection for FBB/Internet;
12. Full control by Vessel Management through FMT Control Panel at www.falconmegatrack.com control email text size, attachment size, black list and white list email recipients,
13. Remote Communication Monitoring by Vessel Management; functionality of auto CC and auto BCC to particular email address for communication control and backup purpose;
14. Future Plan for Android V-Mail Client for Mobile Phone and Tablets via Wi-Fi Connection, to eliminate the use of PC; useful for small boats where computer is not available wheel house;



FMT Control Panel

FMT Control Panel provides versatile features to control over the entire Fleet of the Company, with secure web access at <https://www.falconmegatrack.com>

FMT Control Panel Features



Asset Details



Customer Account Details



Notification Setting



Change Password



Set Position Report Interval



V-Mail



Poll Position Report



V-Mail Message Settings



Ship Security Alert System



V-Mail Message Filters



Place Markers



Assets NOT Reporting



Maps



SSAS Test (Warning)

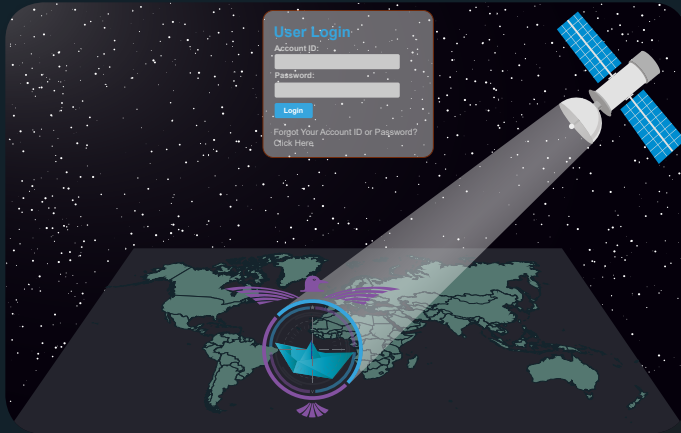


Register Vessel



Customer Billing (Airtime) Detail

Online Map & History



FMS | FMT Control Panel | Marketing | Company | Contact Us | Help

14995, 103.6789

Asset Name	Position	Reserved On (UTC)	Traffic Status	Head Up (km)	Alt (m)	Distance (km)	Proximity, Range, Bearing	Wind (km/h)	Wind Direction (degrees)	Pressure (mmHg)
Penguin Teleskop	1° 24' 17" N 104° 01' 07" E	26-Mar-2017 25:56:57		250	11.2	0.0	Paar Gudang, Johor R: 7:25 @ 283.74	2	0	1009
Penguin Teleskop	1° 23' 18" N 104° 00' 01" E	27-Mar-2017 00:28:47	APR	0	0.1	0.0	Paar Gudang, Johor R: 6:58 @ 294.15	5	340	1011
Penguin Teleskop	1° 22' 29" N 104° 01' 25" E	27-Mar-2017 04:02:46		132	15.2	0.5	Paar Gudang, Johor R: 6:22 @ 295.84	7	50	1011
Penguin Teleskop	1° 17' 25" N 103° 58' 46" E	27-Mar-2017 25:05:17		6	13.1	5.5	Singapore R: 9:04 @ 261.02	5	310	1010
Penguin Teleskop	1° 21' 07" N 104° 02' 44" E	27-Mar-2017 05:29:52		316	12.1	1.5	Paar Gudang, Johor R: 9:73 @ 266.42	6	120	1008

Export to Excel



Sample Position Report

Position Report [Sample Vessel]

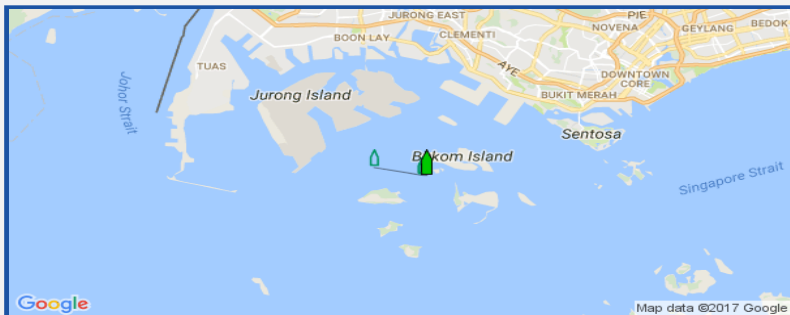
Sender: Tracking-NoReply

Received: sample@yourdomain.com

Date: 26-Sep-17 01:29:28




Position Report [Time]



Map history from 19-Feb-2016 06:29:46 to 26-Sep-2017 00:28:28 (UTC)

Asset Detail						Help
Asset Name:	Sample Vessel					
Mobile ID:	01039997SKY1234					
Transceiver:	FMT_SSAS_V1					
IMO:	1234567					
MMSI:	123456789					
Call Sign:	AV1234					
Received On:	26-Sep-2017 00:28:28 (UTC)					
Position:	Lat: 1° 13' 19" N, Long: 103° 44' 36" E					
Heading:	0 degrees					
Speed:	0 knots					
Average Speed:	0.0 knots					
Distance Moved:	0.1 NM from last position (1° 13' 19" N, 103° 44' 29" E) in 14015h-59m.					
Proximities						Help
Proximity:	Singapore; Range: 06.0 NM Bearing: 063.6 Degree					
<i>Well Known Nearest Sea Ports</i>						
#	Country	Port	Lat	Long	Range (NM)	Bearing
1.	Singapore	Singapore	01.27	103.83	06.0	63.6
2.	Malaysia	Tanjung Pelepas, Johor	01.35	103.53	14.7	301.4
3.	Malaysia	Pasir Gudang, Johor	01.43	103.90	15.7	36.5
4.	Malaysia	Port Dickson	02.52	101.78	140.6	303.5
5.	Malaysia	Kuantan (Tanjong Gelang)	03.97	103.43	164.6	353.6

Astronomical Calculations			Help
Description	UTC (start-end)	Calculated Time Zone Offset +8	
Dawn:	22:33	06:33	
Sunrise:	22:54 - 22:56	06:54 - 06:56	
Solar Noon:	04:57	12:57	
Sunset:	10:58 - 11:00	18:58 - 19:00	
Dusk:	11:21	19:21	
Day Light:	22:56 - 11:00	06:56 - 19:00	
Night:	11:45 - 22:09	19:45 - 06:09	
Weather			Help
Temperature:	82.2 F (27.9 C)		
Wind:	Calm		
Wind Direction:	254 degrees		
Pressure:	1010 mbar		
Visibility:	6.2 miles		
Weather:	 Mostly Cloudy		

Regards,

Customer Support: support@falconmegasolutions.com

Phone: +92 49 2723682 [09:00 - 18:00 (UTC+5)]

Emergency Contact 24/7: +92-322 4163545

web: www.falconmegatrack.com

skype: [falconmegasolutions](#)

twitter: [falconmegasols](#)

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Falcon Mega Solutions

www.falconmegasolutions.com

Sales Team

sales@falconmegasolutions.com

+92 49 2723682 / +92 322 4163545

[08:00 ~ 17:00 (UTC+5)]



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