

www.megahsurya.com

**PT. MEGAH SURYA PERSADA
PT. GEOMATIKA SATELIT INDONESIA**

ASSET MONITORING SYSTEM



Sekilas Pandang

MSP adalah perusahaan integrator yang menkhususkan pada teknologi peralatan telekomunikasi dan navigasi kelautan. MSP memantapkan diri menjadi salah satu provider / penyedia Sistem Pemantauan Kapal Perikanan (SPKP) yang terdaftar di Kementerian Kelautan dan Perikanan RI.

MSP Perusahaan integrator yang membangun platform hardware untuk penghubung marine embedded dengan alat komunikasi yang menggunakan teknologi komunikasi satelit dan Broadband

VISI & MISI

❖ Visi:

Smart Bridges Communication.

❖ Misi:

- Menyediakan produk dan layanan komunikasi berbasis low cost operation.
- Menyediakan produk dan layanan komunikasi untuk monitoring manajemen aset.
- Mengintegrasikan layanan produk komunikasi laut, darat dan udara.

Our Product

Pemanfaatan Teknologi untuk menciptakan solusi yang berguna bagi pelaku usaha khususnya
disektor kemaritiman Indonesia.



Asset Tracking



Broadband Marine



Satellite Phone



IoT

Asset Tracking

SATWAVE MOBILE COMMUNICATIONS INC.
1101 Kukuiwai Lane
Suite 800, Pearl City, HI 96781
U.S.A. Tel: 808-365-1234
Fax: 808-365-1235

IDP 600 Series
Satellite Communication Terminals

GPS

- Acquisition Time: Hot: 1 sec, Warm: 37 sec
- Accuracy: 2.5 m (Horizontal GPS)
- Sensitivity: Acquisition: -147 dBm
- Tracking: -139 dBm

INTERNAL INTERFACES

- Inputs/Outputs: 4 - Analog or Digital by D/A
- Serial: 2 - RS232, 1 - RS485

POWER

- Input Voltage: 8 to 32V
- Load Current Protection: +200A
- Standby: 0.2 mA
- Power: 40 mA
- Firmware: 0.78 A
- Standby: 100 μA

PROGRAMMING

- User writing engine with open services, RSH with GUI development tools available.

User Services: Dashboard, Data logger, Position Reporting

User Data Memory: 2 Mbytes for user services, 800 bytes including data logger

MAIL:
IDP-690/IDP-690C: 400 g

ENVIRONMENTAL

- Operating Temperature: -40°C to +60°C
- Storage Temperature: -40°C to +60°C
- Dust & Water ingress: IP67
- Vibration: MIL-24475 (Env. A,B,C,D,E,F,G)
- Shock: MIL-STD-810G (Env. S1A,S1B)
- Lead-Free Solder Protection: MIL-21660 (Env. F, G)

CERTIFICATION

- Satellite: Universal Type Approved
- Other: CE Mark, FCC, IC, RoHS, Annex, ETSI, GS/T-R007-R007, EAC, ENEC Russia

SATELLITE COMMUNICATION

Service	Type	Region
Inmarsat Message	ISAT-M	Global
To/Mobile Message	ISAT-M	Global
Text Message	ISAT-M	Global
Elevation Angle (IDP-690)	+30° to +90°	
Elevation Angle (IDP-690C)	-15° to +90°	
Frequency	8432.0 Hz ISAT-B MHz 14382.0 Hz ISAT-B MHz	
ISAT (IDP-690/IDP-690C)	T.6/4096/1.0 dBm	

HOW TO BUY

Satellite mobile devices and satellite antenna services are available through a network of local partners who offer business-to-business and industry partners. Visit us at www.skywave.com.

SATWAVE MOBILE COMMUNICATIONS INC.
1101 Kukuiwai Lane
Suite 800, Pearl City, HI 96781
U.S.A. Tel: 808-365-1234
Fax: 808-365-1235
E-mail: info@skywave.com

SkyWave
mobile satellite communications

INMARSAT
satellite communications

MSP Vessel Monitoring System



SkyWave IDP-690, didesain khusus untuk maritim dengan sudut elevasi yang rendah dengan dukungan jaringan mobile satellite INMARSAT-4

**Satellite communication**

- Satellite service: two-way, Global, IsatData Pro
- From-mobile message: 6,400 bytes
- To-mobile message: 10,000 bytes
- Typical latency: <15 sec, 100 bytes
- Elevation angle: -5° to +90°
- Frequency: Rx: 1518.0 to 1559.0 MHz;
Tx: 1626.5 to 1660.5 MHz;
1668.0 to 1675.0 MHz;
- EIRP: <7.0 dBW

GPS/Glonass/Beidou

- Acquisition time: Hot: 1 second; Cold: 29/30/36 seconds
- Accuracy: 2.0m CEP
- Sensitivity:
 - Acquisition: -148 dBm
 - Tracking: -163 dBm

Certification

- Regulatory: CE, FCC, IC, Anatel, RCM Mark, Mexico; Pending: FFA, MSS Russia, SRRC, Philippines, Korea, IEC 60945, CTI2.
- Others: Inmarsat Type Approval, IP67

Electrical

- Input voltage: 9 to 32V, Load dump protection: +150V, SAE J1455 (Sec. 4.13)
- Power consumption (typical average @12V DC, 22°C):
 - IDP Receive: 65 mA;
 - GPS/Glonass/Beidou Receive: 22 mA;
 - Transmit: 0.65 A;
 - Sleep: 100 µA

Dimensions

- 12.6 cm x 12.6 cm x 4.9 cm

External interfaces

- Inputs/outputs: 4 analog or digital in/out
- Serial: RS-232; RS-485

Environmental

- Operating temperature: -40°C to +85°C
- Dust and water ingress: IP67

CALL: 1.800.ORBCOMM EMAIL: SALES@ORBCOMM.COM VISIT: WWW.ORBCOMM.COM

ORBCOMM (Nasdaq: ORBC) is a global leader and innovator in the industrial Internet of Things, providing solutions that connect businesses to their assets to deliver increased visibility and operational efficiency. The company offers a broad set of asset monitoring and control solutions, including wireless satellite and cellular connectivity, unique hardware and powerful applications, all backed by end-to-end customer support, from installation to deployment to customer care. ORBCOMM has a diverse customer base including premier OEMs, solution customers and channel partners spanning transportation, supply chain, warehousing and inventory, heavy equipment, maritime, natural resources, and government. For more information, visit www.orbcomm.com.

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RS007184

CONNECTING THE WORLD'S ASSETS

- Vibration: SAE J1455 (Sec 4.9.4.2, fig 6-8); MIL-STD-810G (Sec 514.6)
- Shock: MIL-STD-810G (Sec 516.6)

Programming

- Lua scripting engine with core services. SDK with GUI development tools available. Lua software application upgradable over the air (SOTA).
- Core services: Geofence, data logger, position reporting, accelerometer events, serial communications.
- Optional configurable device-level applications, including:
 - Analytics Agent - Notifications and reports for driver behaviour and vehicle/asset performance.
 - AVL Agent - Facilitates integration of ST 6100 terminals into fleet management solutions.
 - Garmin Dispatch Agent - Tracking, navigation, driver communication and dispatch using Garmin devices.
 - Garmin FMS Agent - Fleet management support for two-way text messaging, stops, driver ID, hours of service, file transfer, custom forms, and speeding alerts.

Accelerometer

- 3-axis accelerometer

Memory

- Lua Code RAM: 4MB
- Lua Code NVM: 6MB

Options

- Side or bottom connector variants

Ordering Codes/related products

- ST6100-SXX** ST 6100 Terminal, Side Connector
ST6100-BXX ST 6100 Terminal, Bottom Connector
ST100679-001 ST 6100 Development Kit
ST100030-001 Mating-Cable Connector Kit with Solder Cups



ORBCOMM™ ST 6100

- Orbcomm ST 6100 didukung dengan jaringan satelit IsatData Pro Inmarsat, yang cakupannya luas sehingga aset dapat termonitor bahkan di lokasi di dunia yang terisolasi sekalipun.
- Desain baru dengan antena built-in yang dirancang ini sangat cocok untuk penggunaan di darat dan maritim.
- Orbcomm ST 6100 ini sama seperti halnya IDP 690, dapat program, diaplikasikan dan disesuaikan dengan kebutuhan pengguna, misal eloogbook, feul monitoring, dll.



Bluetraker VMS

7

Key features and benefits

Features

Communication

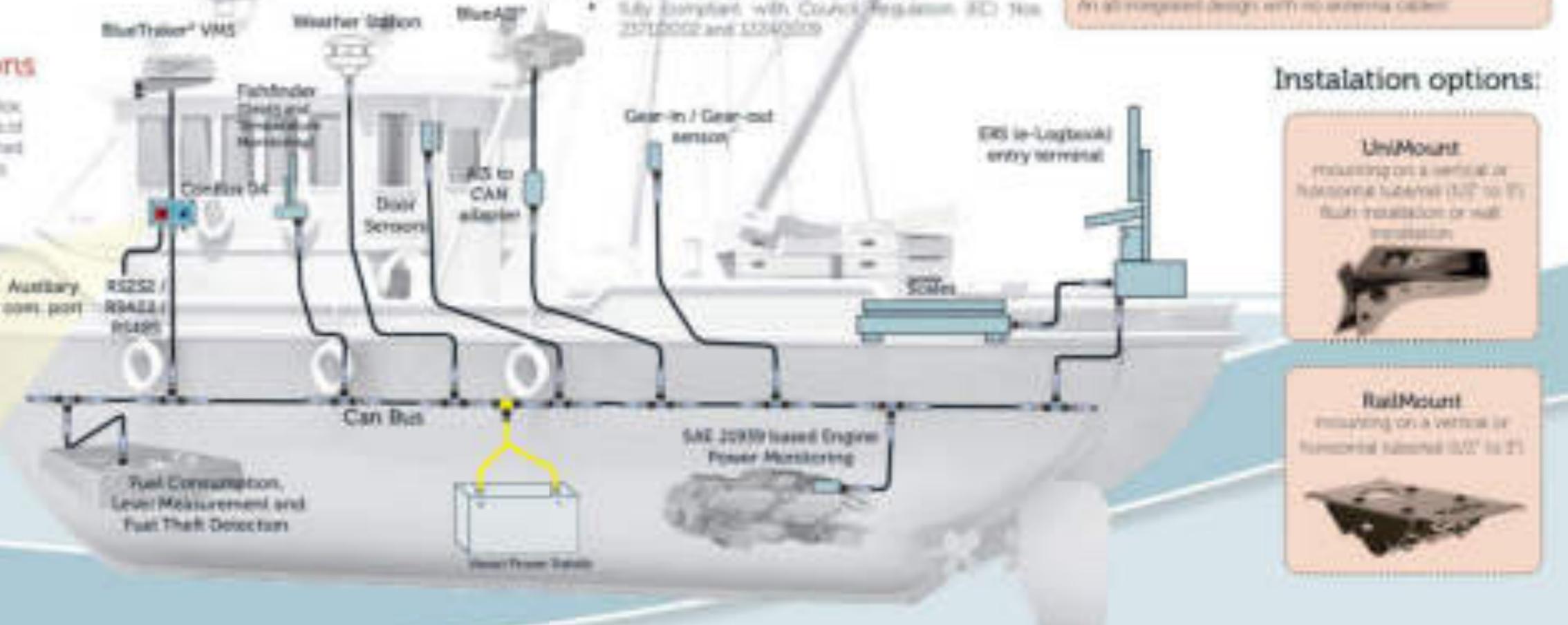
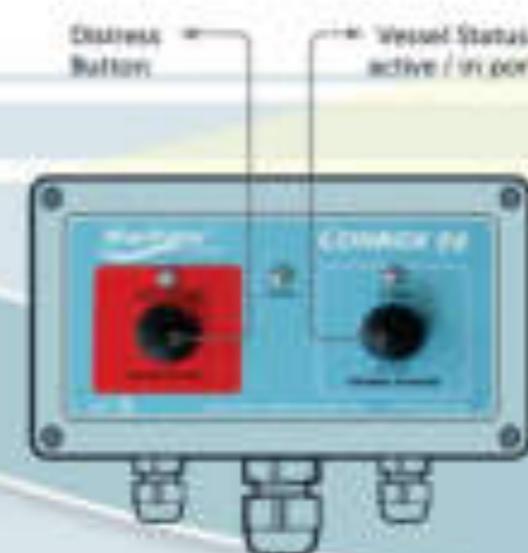
- Tracking, monitoring and surveillance of flying assets
 - Dual communication channels (Hybrid)
 - satellite communication through the Inmarsat satellite network, with complete Full-to-Full coverage and
 - GSM/GPRS terrestrial communication.
 - Bidirectional communication with Televese Mission Control
 - Includes Poly, PIC and Standby commands
 - HPECB - High Resolution Data Bus and Hybrid
 - Internal memory for storing high resolution reports that can't be transferred on request.
 - e-Logbook ready for switch report delivery.
 - Data delivery to any third party VMS software application compatible with Inmarsat Inmarsat-C, WiFi and planned BlueThinker® protocols
 - GPSL - GPS receiver Cover The Air functionality (Hybrid)

- 1 -

Safety at sea is a constant concern of the fishermen and fisheries regulators. Fishermen life at sea get often exposed to the limits by the elements of nature, equipment failure and human errors as well. In addition, the Private Alert Buoy (PAB) functionality is there for fishermen to call for assistance. The BlueFiner® VMS Private Alert Buoy is unique - it can operate even when the ship's own power wings down - a critical situation in a storm at sea.

Unparalleled connectivity options

All corrections are done through BlueLinker® Config which also enables the captain to select the Tx port status he needs. Thus selecting the reporting interval when sending the corrected coordinates via the correct address.



Security and safety features



- Stainless steel security wires
 - Strong stainless steel fixings
 - Double shell housing and impact strength thermal protection with electronic tamper detection
 - Status LED indicators on the housing easy visual power and signal presence
 - Cable connects through a secure connector, compact environmental protection
 - Security seal with the serial number
 - Laser engraved unique product serial number
 - Laser engraved technical information

For full recommended dosages, see the accompanying table.

Installation options:





SmartOne Solar™

Solar Powered Satellite Asset Tracker

The SmartOne Solar is the next generation of Globalstar's industry-acclaimed SmartOne product line. While operating on one of the most modern and fastest satellite networks in the world and powered by the sun, this IoT device provides excellent remote monitoring and tracking capabilities. The SmartOne Solar's NiMH rechargeable batteries deliver up to 10 years of usable service, drastically reducing maintenance time and cost for labor and parts. It lets users intelligently configure reporting times and intervals for custom information delivery. The SmartOne Solar has unparalleled safety/device certifications including ATEX Class I Zone 0; Division 1, CSA22.2, UL60079-0, IP69K, HERO certifications, and others to meet the needs of every application.

Let the SmartOne Solar streamline your M2M operations today!



BENEFITS

- Maintenance-free device as the power of the sun recharges its batteries providing up to 10 years of usable service.
- Deliver reliable location reporting for assets deployed worldwide - providing security and improved efficiency for your business.
- Easy to install as simple packaging requires no hardware, external power or external antennas.
- Wide range of reporting capabilities, including:
 - GPS location reporting in 4 modes
 - Stationary or In-Motion Reporting
 - Reduced Messaging & Theft Recovery Modes
 - Transmits data from external sensors
- User selectable Speed and Heading operation
- Two dry contact or wetted-voltage inputs available to manage engine run time, tank level or various alarm inputs

POTENTIAL APPLICATIONS

- Transportation: Monitor & track assets and fleet movements even in remote locations.
- Oil & Gas: Acts in mobilizing & deploying high value assets in the field.
- Construction: Determine if, when & where your valuable equipment is being used.
- Security: Keep track of valuable mobile assets such as rail cars, propane tanks & AgTech.
- Marine: Monitor & track high value assets, such as boats, barges and containers, at the dock and off-shore.
- Other industry uses: Mining, forestry, government, fisheries, etc.

CONFIGURATION SOFTWARE

- Configuration software tool operates on a PC via serial cable
- Bluetooth interface also available for configuration and firmware updates

Visit Globalstar.com/SmartOneSolar for more information.



SmartOne Solar™

Solar Powered Satellite Asset Tracker

TECHNICAL SPECIFICATIONS



OPERATING SPECIFICATIONS

SIZE	8.25 in (0.21 m) x 7.16 in (0.18 m) x 1.12 in (0.03 m)	CERTIFICATIONS	• FCC, IC, ID, CE • PENDING: ATEX, IEC, AIA/JAPAN • PENDING: ETSI EN 300-220-2
WEIGHT	13.5 oz (385 g)	INTEGRITY SAFETY CERTIFICATIONS	• ATEX/IECEx IIC T4 Gc, IECEx IIIC T4 Ga • Ex-International Zone II applications, ICSA, CSA, UL916 • Hazard Location Classification of Class I, II, III, Div 1, Group II, Gc, IECEx IIIC T4 Ga • CSA, UL, IECEx, ATEX, IIIC T4 Ga • EX-COMPONENT, remote activation/tracking • MIL-STD-810G
OPERATING TEMPERATURE	-40° F to +140° F	STANDARDS	• IEEE 802.15.4 • GSMA GPRS • GSMA UMTS • IP69K • MIL-STD-810G • Ingress Protection • Impact Resistance • Salt Fog • Acid Rain • Humidity • Vibration
INPUT VOLTS	10VDC to 40VDC		
BATTERY TYPE	Built-in rechargeable NiMH batteries (non-replaceable)		
MOUNTING HOLE SPACING	Gauge LED: Satelite operation using the Satelite Service Data Network. See Satelite website for Coverage Map.		

ACCESSORIES

- Universal USB Configuration Cable (Part No. 3000-0001-01)
- Universal Power Cable (Part No. 3000-0005-01)
- Standard Dial Mounting Bracket (Part No. 7000-0027-01)
- Bluetooth Dongle (Part No. 3000-0128-01)

FEATURE SET

STANDARD MESSAGING	ALTERNATIVE REPORTING	SERIAL COMMUNICATION CAPABILITY
• Basic, GPS location, timestamp location, remote sleep settings	• Supervisory reporting activate triggered by events or motion	• User defined messages
• 25 programmable alias time-of-day settings	• Periodic GPS location on interval for programmed time or event driven remote active	• Serial TTL-I/O capability to interface with remote power and control sensors and driver user-defined messages
		• Bluetooth interface for configuration firmware updates
		**Note: Functionality is limited by specified Operating Temperature Range. Usage of the SmartOne Solar above 107°F may cause RF signal degradation and decreased battery lifetime of the unit.

Visit Globalstar.com/SmartOneSolar for more information.

Globalstar SmartOne Solar

GlobalStar Coverage



Marine Broadband

Built to perform in the toughest conditions.

Iridium Pilot is uniquely engineered to keep ships connected in blazing sun, frigid cold and high winds, over the Earth's entire surface, open ocean or polar regions.

Unparalleled coverage and connectivity

Iridium Pilot is built with the same reliable high-quality voice and data capability the world has come to trust from the only pole-to-pole satellite communications company.

The unique cross-linked architecture of Iridium's global constellation of 66 Low Earth Orbiting (LEO) satellites gives Iridium Pilot inherent advantages in performance and dependability - making it an ideal platform for primary or back up communications.

Multiple phone lines keep your crew connected

Iridium Pilot's three independent phone lines help boost crew morale by letting your crew stay in touch with family and friends. Affordable prepaid options allow calling even at peak times.

Flexible, high value data options

For email, web browsing or business operations, Iridium Pilot leverages the

Iridium OpenPort® broadband service to offer a wide range of flexible, high value global service packages that meet the needs and budget of ships, large and small, everywhere.

Lightweight, durable and easy-to-install

Crew calls are also easily separated from ship's business calls for simplified accounting.

The lightweight, low profile Iridium Pilot omnidirectional satellite antenna can be easily mounted at any convenient location on deck, and can withstand the effects of nearly any maritime environment. Iridium Pilot also provides near real-time usage metrics to assist in troubleshooting.

STANDARDIZED



Satellite

OPTIMIZED



Email



Three Voice Lines



Internet



5-Year Limited Warranty^a



Global Service Program



^a Five-year limited warranty on accessories

Global, pole-to-pole broadband data and high-quality voice in one low-cost platform.



External Antenna



Iridium Pilot™ Interconnection Diagram



Iridium Pilot / Open Port



Fleet One Coastal

Innovative solutions for leisure

In today's connected world, you want to be able to stay in touch wherever you go. But since you have set sail, that can prove difficult.

Reliable voice calls
Losing signal and getting a slow data connection can make trying to use your mobile phone frustrating. Then there is the risk of roaming on to another network and coming home to the shock of a large bill.

Seasonal flexibility
Satellite communications is now an affordable option for checking in with the office or letting the kids update social media and talk to their friends while on board. With the Fleet One Coastal service you need never be without connectivity again.

Seasonal flexibility

Fleet One Coastal has been designed to allow the seasonal flexibility you require at a price you can afford.

The compact antenna, which weighs only 3.9kg, has been designed with small motorboats and sailing yachts in mind, and is quick and easy to install.

Staying connected

With Fleet One Coastal, you can use the internet and make calls as if you were at home. You can use the standard "plug and play" Ethernet connection for your laptop, or connect your smartphones and tablets via an optional Wi-Fi router to access apps, so you can keep up with the news and sports results while you are away.

Fleet One Coastal also provides vital assistance with route planning and navigation through weather and chart updates. What's more, it provides peace of mind knowing you can connect to land anytime.

Safety services

Fleet One supports Inmarsat's free 'SOS' safety service, which in an emergency directs a call straight through to a Maritime Rescue Co-ordination Centre (MRCC) – no matter how bad the weather conditions. So you can set sail knowing that your life is in safe hands.

Unrivalled reliability

You can depend on Inmarsat, whatever the weather conditions. We provide the most robust communications link, with average network availability exceeding 99.9%, which is greater than that of any mobile phone provider.

The Fleet One terminal is specifically designed for use within the maritime environment. The terminal has been tested and approved to Inmarsat's exacting standards.

Marine Broadband Fleet One

Equipment		Service			
Diameter	27.6 cm	Date Standard IP	Up to 100 kbps		
Height	29.2 cm	Voice	64 kbps AMBE+2		
Weight	3.9 kg	SMS	Standard 3G (up to 160 characters)		
Applications					
Fleet One supports an extensive range of applications:					

Easy installation

The Fleet One terminal can be quickly and easily installed and set up on your boat.



Coverage

Fleet One Coastal is supported by Inmarsat's global network coverage and capability, ensuring you are never out of touch wherever you are.



Cost-effective

With Fleet One, you can have performance with flexibility or an affordable price with a choice of airtime pricing to suit your needs. You don't have to commit to a lengthy contract and you can suspend use when the boat is winterised. Alternatively, competitive rates are available on a prepaid voucher with no commitment required.



Satellite Phone

READY TO GO



ROBUST FEATURES

A powerful, dependable satellite phone delivering high voice quality, voicemail, text and email messaging, plus tracking and assistance alert features. All packaged in an ergonomically designed rugged handset.

- **Ready:** fast network registration in under 45 seconds and unrivaled battery life, with 8 hours of talk time and up to 160 hours of standby time.
- **Reliable:** operates over global geostationary satellites ensuring reliable call stability and network connection.
- **Robust:** designed and engineered to withstand the most extreme conditions; operates at -20°C to +55°C (large keypad for easy dialling when wearing gloves); dust, splash and shock resistant (IP65, IBC4); humidity tolerance from 0 to 95%.
- **Reassuring:** location services, including tracking and assistance button, keep people updated of your GPS coordinates when it matters. Receive notification of inbound calls even with antenna stowed.
- **Readable:** easy-to-use interface with large high-visibility, scratch-resistant transreflective display that is readable even in bright sunlight.

Out of the box: IsatPhone 2, battery, charger, wind protection cover, wrist strap, rugged UHS memory drive holder, quick start guide and warranty.

RELIABLE SATELLITE CO

Coverage



This map is a simulation of IsatPhone 2 coverage. It does not provide a guarantee of the extent of service provided by Fleet Networks' Iridium® or Alphasat® coverage providers. No responsibility of "Last service map" depends on the satellite.

IsatPhone 2 operates globally over the Iridium sat-4 satellites and Alphasat.

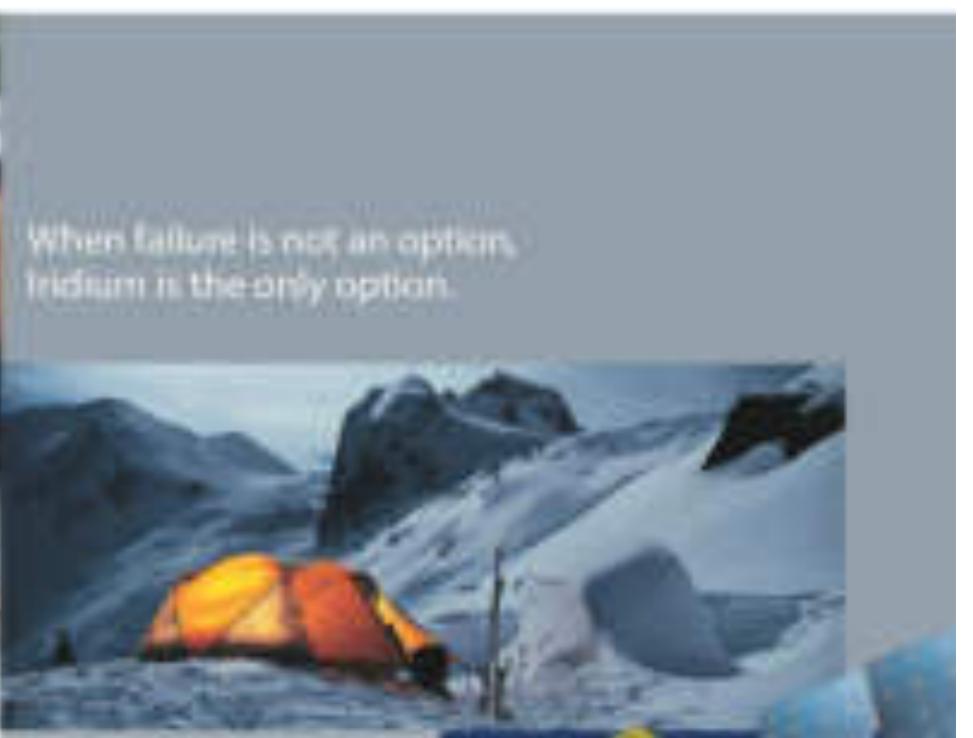
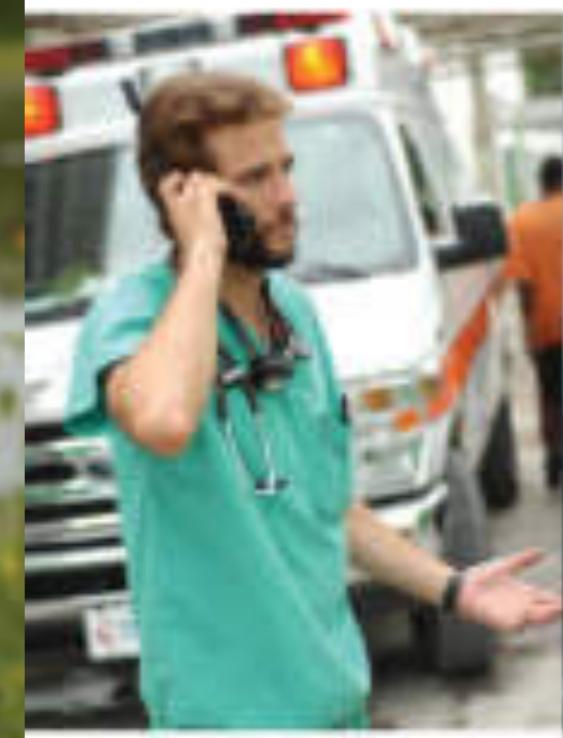
PHYSICAL

Dimensions	Length: 165mm (6.5") Width: 72mm (2.7") without antenna Dress: 27mm (1.1") with antenna Depth: 25mm (1.1") in hand 30mm (1.4") at deepest point
Weight	310g (11.2oz) - excluding battery
Display	High contrast colour screen
Interfaces	USB v2.0 Audio socket MicroSD port Bluetooth 2.1
Dimensions	W165 x H72 x D25 mm
Operating range	-20°C to +55°C (-4°F to +131°F)
Storage range	-20°C to +70°C (-4°F to +158°F) With battery
Charging range	0°C to +45°C (32°F to +113°F)

BATTERY

Type	Lithium ion, 3.7 volts
Talk time	Up to 8 hours
Standby time	Up to 100 hours

Satellite Phone Iridium 9555



Iridium 9555

Satellite Phone



Mobile communication can expand business, create opportunities, and establish critical lifelines. But only when it works.

From disaster relief to jet-flying pilots, building crews to the front-line peace-keepers, Iridium® 9555 satellite phones can handle any environment. It's small, light, dimensioned, sleek, but durable, easy-to-use but powerful. It is every bit as rugged as our previous iterations – with industrial grade and packed with innovative new features, Iridium 9555 is the evolution of trusted reliable mobile communications.

And it is connected to the only truly global mobile communications network. So anywhere on the planet you need to be, Iridium 9555 is connected and backed by superior technical quality and world-class technical support.

Compact Power

Iridium 9555 packs serious power. Into its small frame, Iridium 9555 also includes an integrated speakerphone, 3GPP and email messaging capabilities, and a 3.5mm USB data port. It continues the tradition of satellite phones, making communications more efficient and effective for end-users.

Features

- Compact size for incomparable reliability over land, sea, air, or off-grid locations
- Industrial-grade design for extended durability
- Enhanced talk and email messaging capability
- Integrated speakerphone, compact and durable line handling
- Internally stored memory (1000 contacts)
- Internally stored memory (MAX 1GB)

Enhanced Features

In addition to all the features you will prior customers have come to expect from our trusted satellite phones, Iridium 9555 also includes an integrated speakerphone, 3GPP and email messaging capabilities, and a 3.5mm USB data port. It continues the tradition of satellite phones, making communications more efficient and effective for end-users.

Intuitive Communications

Iridium 9555 features an intuitive user interface – making mobile communications more efficient than ever. We make it so easy, you can start making calls right out of the box, skipping the traditional learning curve.

Small Features

Standard Features:
• Worldwide coverage (no SIM card required)
• Global Satellite Coverage
• Satellite-to-Satellite Handover
• Satellite-to-GPS Handover

Large Features

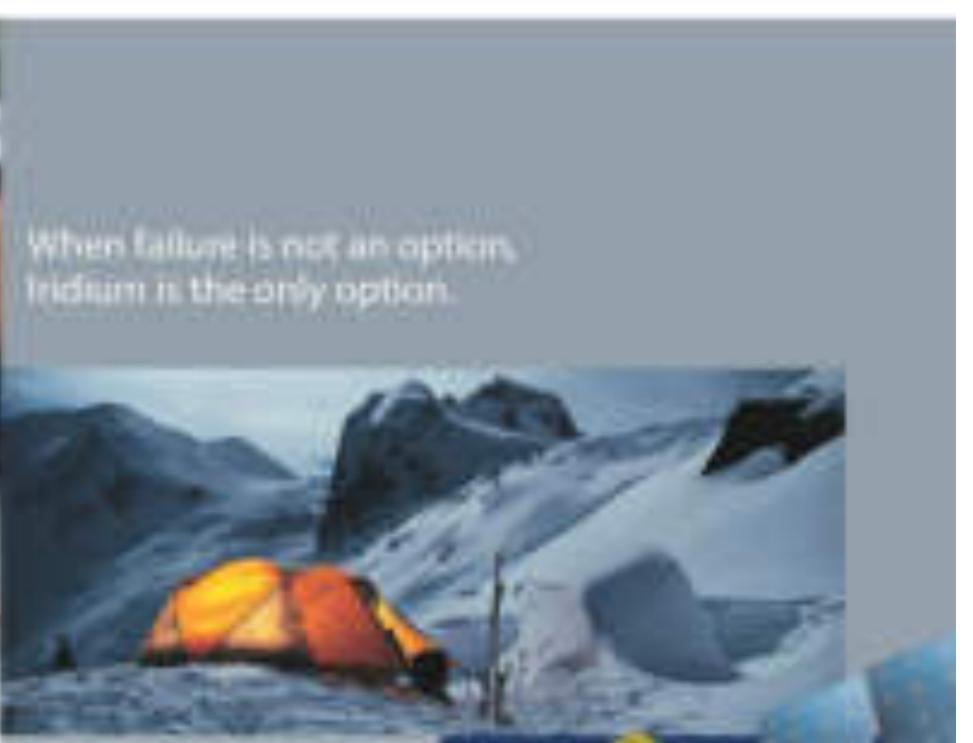
Standard Features:
• Worldwide coverage (no SIM card required)
• Global Satellite Coverage
• Satellite-to-Satellite Handover
• Satellite-to-GPS Handover

The future is within reach

Iridium is committed to global communications availability and performance for decades to come. With the launch scheduled for 2015, Iridium's next generation satellite constellation will provide a platform for continued innovation, as well as ongoing support for all existing Iridium-enabled solutions. New award-winning Iridium® 9555 enhanced compatibility will ensure Iridium 9555 continues to put advanced personal communications in your grasp – for years to come.



Satellite Phone Iridium 9555



Iridium 9555

Satellite Phone



Mobile communication can expand business, create opportunities, and establish critical lifelines. But only when it works.

From disaster relief to jet-flying pilots, building crews to the front-line peace-keepers, Iridium® 9555 satellite phones can handle any environment. It's small, light, dimensioned, sleek, but durable, easy-to-use but powerful. It is every bit as rugged as our previous iterations – with industrial grade and packed with innovative new features, Iridium 9555 is the evolution of trusted reliable mobile communications.

And it is connected to the only truly global mobile communications network. So anywhere on the planet you need to be, Iridium 9555 is connected and backed by superior technical quality and world-class technical support.

Compact Power

Iridium 9555 packs serious power. Inside its small frame, Iridium 9555 also includes a compact antenna, reduced weight, and a space-saving form-factor, as well as internally mounted memory, making it ideal to deploy to nearly any extreme environment.

Features

- Compact size for incomparable reliability over a wide area for the off-the-grid Iridium satellite phone design for extended durability
- Enhanced talk and email connectivity
- Integrated microphone and speaker and hands-free calling
- Internally stored memory – up to 1GB

Enhanced Features

In addition to all the features you will prior customers have come to expect from our award-winning phones, Iridium 9555 also includes a built-in integrated speakerphone, 3GPP and email messaging capabilities, and a 1000x1000 pixel screen. It continues the tradition of satellite phones, making communications more efficient and effective for end-users.

Intuitive Communications

Iridium 9555 features an intuitive user interface – making mobile communications more efficient than ever. We make it so easy, you can start making calls right out of the box, skipping the traditional learning curve.

Small Phone

Dimensions: 10.5cm x 6.5cm x 1.5cm
Weight: 250g
Antenna: Internal
Connectivity: Iridium satellite connection
Memory: 1GB

Network: Iridium satellite network
Processor: Qualcomm® MSM8916
Operating System: Iridium OS™
Display: 3.5" color LCD
Speaker: Built-in speakerphone
Microphone: Built-in microphone
Speakerphone: Built-in speakerphone
Call Volume: Up to 100dB
Call Duration: Up to 10 hours
Call Quality: Up to 1000x1000 pixels
Call Speed: Up to 3GPP

Calling Features

Call Duration: Up to 10 hours
Call Quality: Up to 1000x1000 pixels
Call Speed: Up to 3GPP

Product

Network: Iridium satellite network
Processor: Qualcomm® MSM8916
Operating System: Iridium OS™
Display: 3.5" color LCD
Speaker: Built-in speakerphone
Microphone: Built-in microphone
Speakerphone: Built-in speakerphone
Call Volume: Up to 100dB
Call Duration: Up to 10 hours
Call Quality: Up to 1000x1000 pixels
Call Speed: Up to 3GPP

Usage Control Features

Network: Iridium satellite network
Processor: Qualcomm® MSM8916
Operating System: Iridium OS™
Display: 3.5" color LCD
Speaker: Built-in speakerphone
Microphone: Built-in microphone
Speakerphone: Built-in speakerphone
Call Volume: Up to 100dB
Call Duration: Up to 10 hours
Call Quality: Up to 1000x1000 pixels
Call Speed: Up to 3GPP

The future is within reach

Iridium is committed to global communication, reliability and performance for mobile users. With the launch scheduled for 2015, Iridium's next generation satellite constellation will provide a platform for continued innovation, as well as ongoing support for all existing Iridium-enabled solutions. New award-winning Iridium 9555 enhanced compatibility will ensure Iridium 9555 continues to put advanced personal communications in your grasp – for good.



Satellite Phone Thuraya XT-LITE



Thuraya XT-LITE

Staying connected has never been this easy. Introducing Thuraya XT-LITE, the world's best-value satellite phone.

The Thuraya XT-LITE provides reliable satellite phone connectivity with unbeatable value. It is designed for cost-conscious users who need to stay securely connected without compromising on a clear and uninterrupted connection.

It is very easy-to-use. You can make phone calls and send SMS messages in satellite mode, whether you are crossing the desert, sailing at sea or climbing mountains.

No matter where your journey takes you, you can rely on Thuraya's comprehensive satellite network to provide reliable, clear and uninterrupted communications in more than 160 countries across Europe, Africa, Asia and Australia.

With the Thuraya XT-LITE staying connected via satellite has never been this easy.

**Simple.
Reliable.
Affordable.**

THURAYA 
stay close

Thuraya Customer Care Center
From Thuraya: +800 100 100
From other networks: +800 100 100 100
Fax: +971 5 6628444
Email: support@thuraya.com
www.thuraya.com



Specifications



Calls and text messages in satellite mode

Make calls and send SMS messages in satellite mode wherever there is no terrestrial network available. The advanced multi-directional antenna ensures uninterrupted communications, offering hands-free talk-and-take functionality for calls-on-the-go.

Long-lasting battery life

The Thuraya XT-LITE enables reliable communications with a long lasting battery which provides up to six hours talk time and up to 80 hours standby time.

Ease of use

Simply charge your phone and ensure that your SIM card is working. It's that simple. You can then program the Thuraya XT-LITE to one of the 12 language options.

Supported by Thuraya's robust and powerful satellite network

Thuraya's satellite network is renowned for having the most reliable satellite coverage across approximately 160 countries and two-thirds of the globe. The Thuraya XT-LITE enables you to receive call notifications even with the satellite antenna removed, keeping you connected at all times.

Additional features

Address book, alarms, calculator, calendar, call logs, conference calls, contact groups, speed dialing, stopwatch, invert screen and many more.

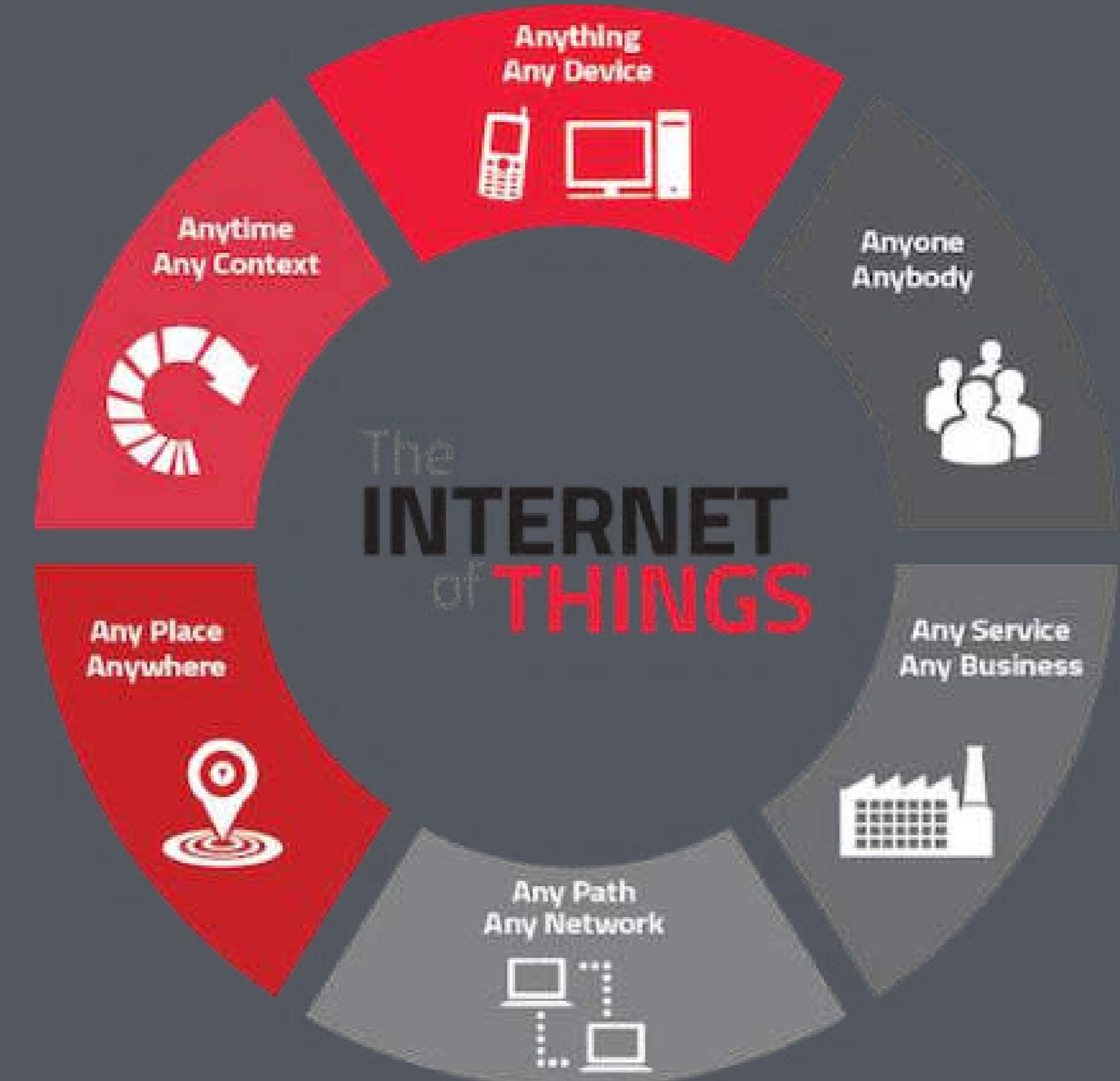
Accessories

Thuraya has developed a set of accessories for the XT-LITE to provide extended mobility when needed. Please visit www.thuraya.com for more information.

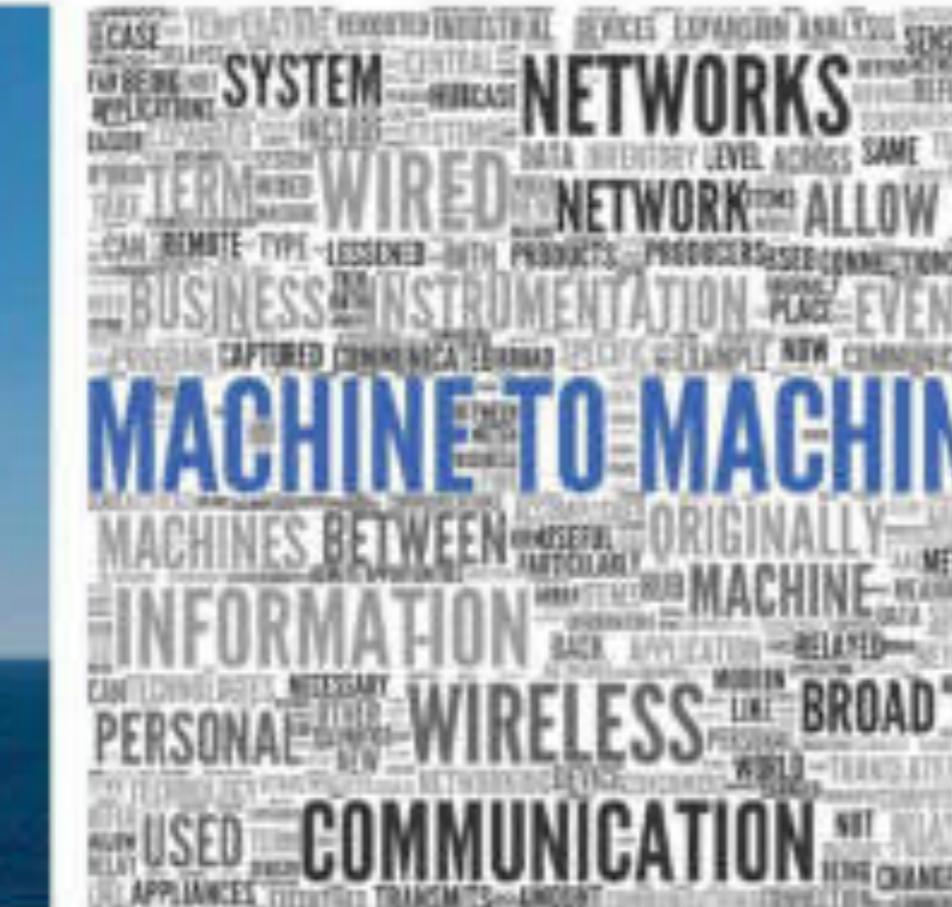


THURAYA 
stay close

Industrial IoT Solution



Industrial IoT Solutions for Enterprise



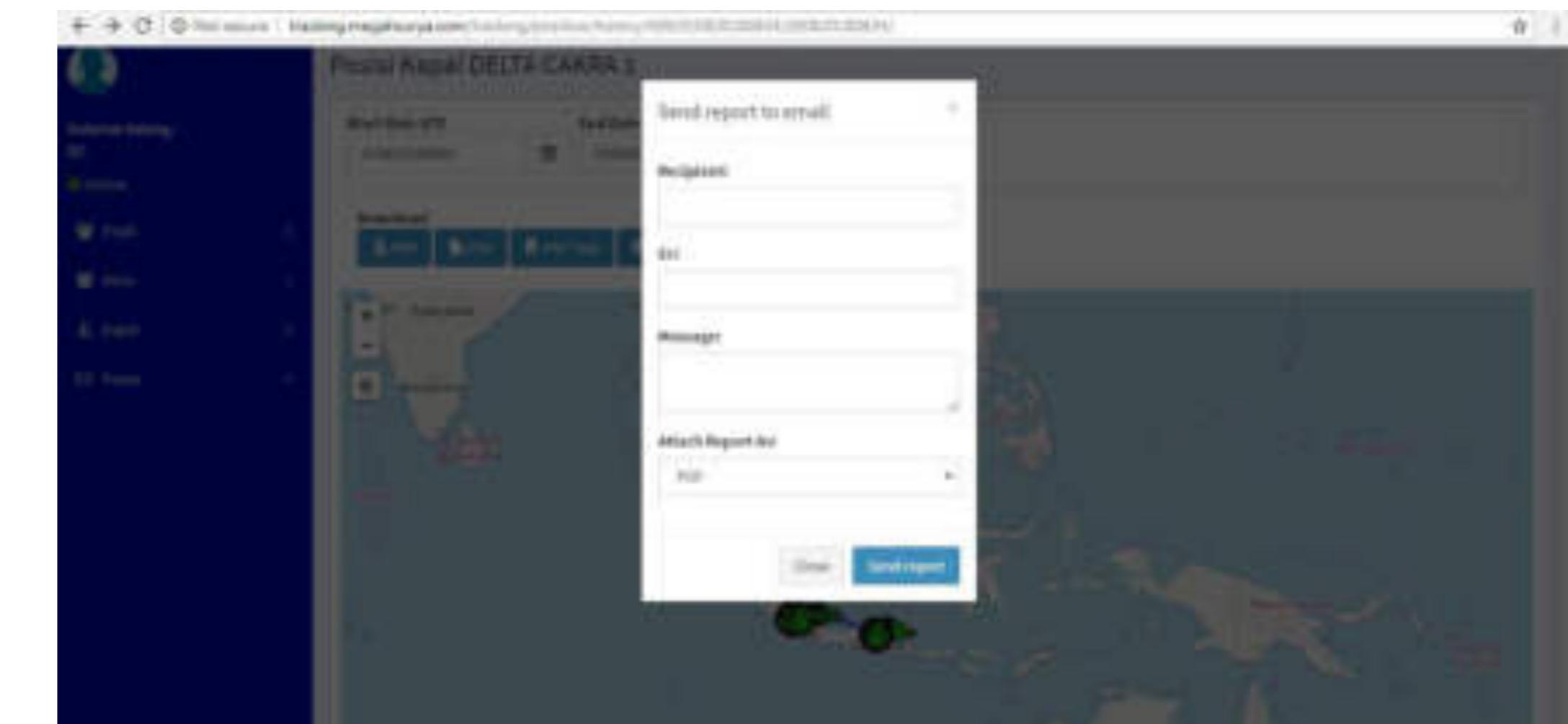
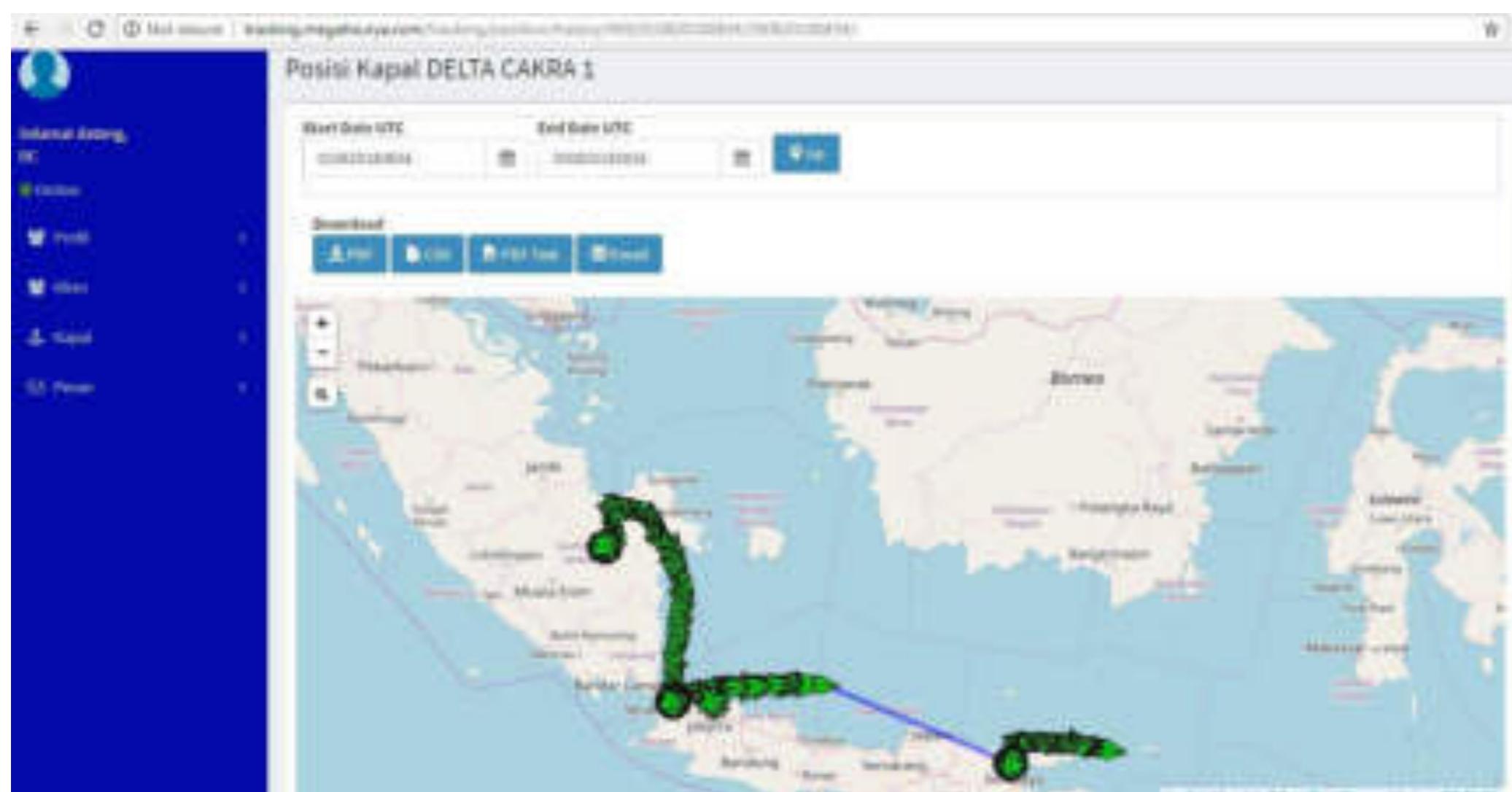
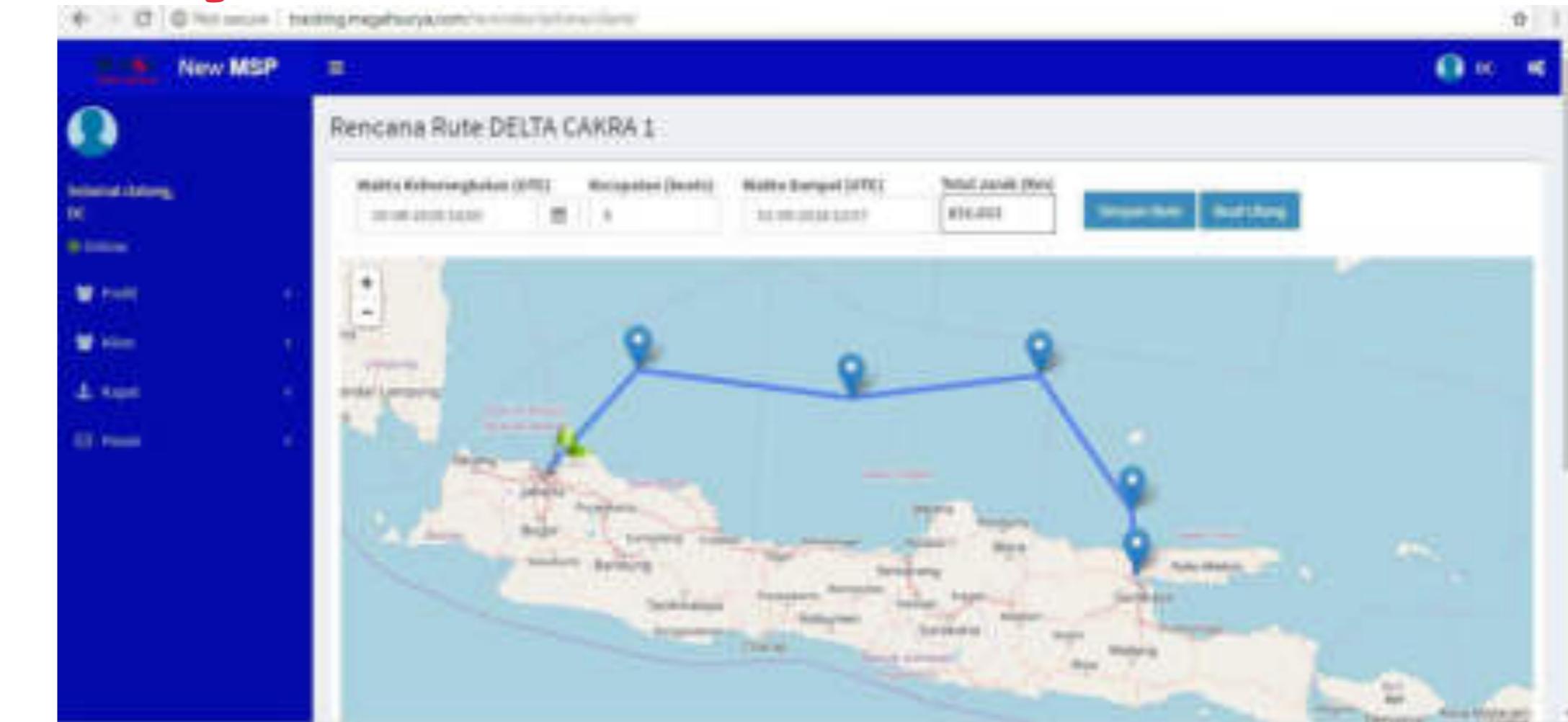
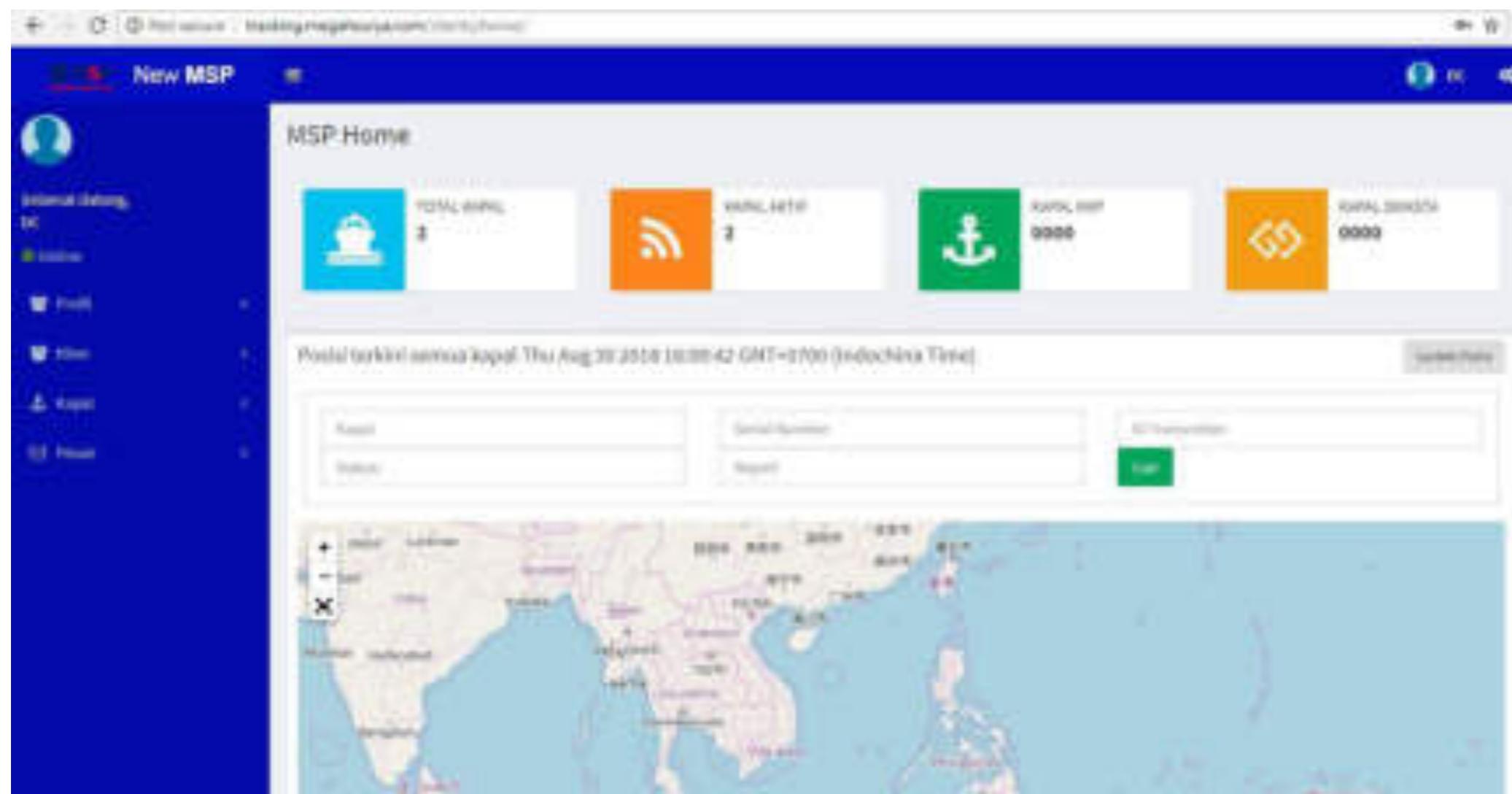
Industrial IoT Solution

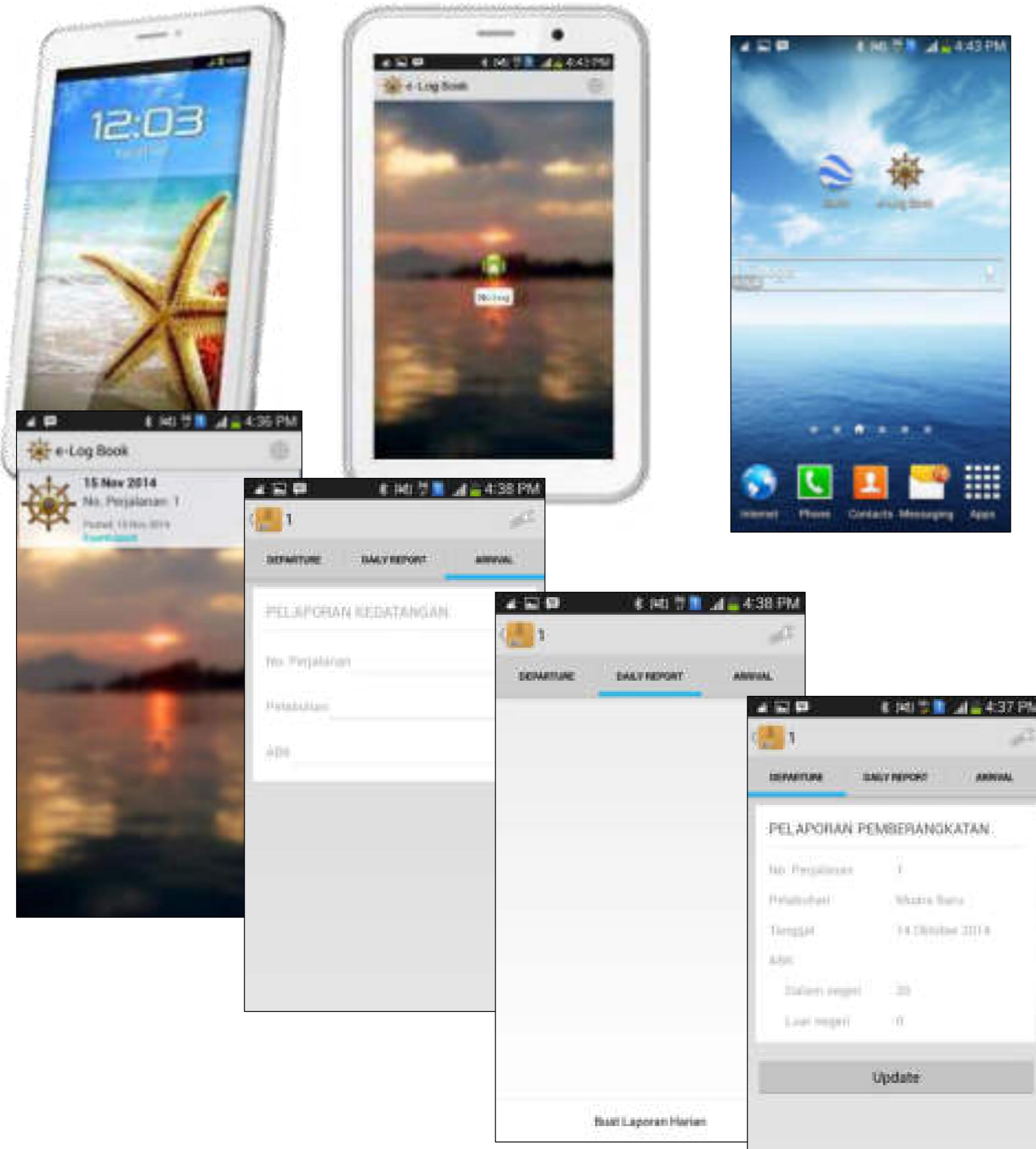
Industrial IoT Solution

solves enterprise challenges for managed connectivity solutions operating globally including in remote regions. This includes managed services, integration of dual mode devices with IoT applications, deployment, troubleshooting, licensing, provisioning and billing. Industrial IoT platform provides a single point interface that allows users to select the best satellite option depending on cost, coverage and data throughputs. Globecom's Industrial IoT platform also offers device administration, billing management, analytics and licensing for various satellite and cellular networks. The platform combines several elements that build a robust IoT service delivery engine; networks consolidating multi network technologies and supports remote devices.



- Asset Monitoring System





- Elogbook Penangkapan Ikan



Pencatatan / pelaporan hasil penangkapan ikan oleh nelayan secara elektronik dengan menggunakan aplikasi Android, dan pengiriman data dikirimkan melalui jaringan komunikasi satelit Inmarsat.

- Elektronik Observer

Penangkapan Ikan

Pencatatan / pelaporan hasil penangkapan ikan oleh observer (petugas perikanan) secara elektronik dengan menggunakan aplikasi Android, dan pengiriman data dikirimkan melalui jaringan komunikasi satelit Inmarsat.



Pemasangan Iridium Pilot / Open Port di Kapal Bea dan Cukai



Trak Vision



“relevant to the NEFMC’s Observer Committee’s planned discussion of the IFM Amendment’s electronic monitoring component”



IP camera



2 Mpx

Why Photo Image and not Video?

- HD Photo has higher quality than video; the quality of video is not high enough to identify everything needed in the footage.
- You can zoom high quality photo image for better observation.
- Time and storage savings. When downloading data in port, it could then take *days* to download video data. Photographic data, even with high quality, would only take *a few hours* to download the data. Photographic data also takes up significantly less storage space, and it also means that the ship does not need to go back to port too often (up to 6 months storage space.)
- Using the Beluga software, it becomes a much simpler task for observer since observation from an office can be done much quicker and precise without having to go through the whole footage.

2 Modes of Operations

1. Fishing mode (records the vessel's activity when fishing)

Activates automatically depending on speed or sensors.



SPEED:

- Speed of less than 4 knots= Fishing
- Camera will take 1 image per second



SENSORS:

- Its activated when the fishing gear used = Fishing.
- The camera will take 1 image per second.

FAST MODE



2. Cruising mode (records the vessel's activity when cruising)

Automatically activates depending on speed



SPEED:

- Speed of more than 4 knots= Cruising
- The camera will take one image every 60 seconds (configurable).

SLOW MODE



Operational Flexibility

Fishing Mode

SPEED



0-4 knots

1 SEC

TRIGGER SPEED



SENSOR



Winch, Conveyor belt,...

1 SEC

TRIGGER SPEED



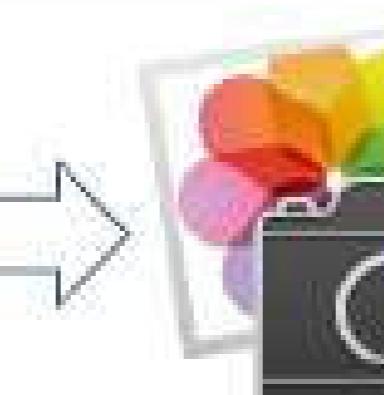
SPEED



> 4 knots

60 SEC

TRIGGER SPEED



Crusing Mode

At 4 knots speed or higher, camera triggers at 1 image every 60 seconds



Iridium CertusSM

Reliable. Everywhere.

22
kbps

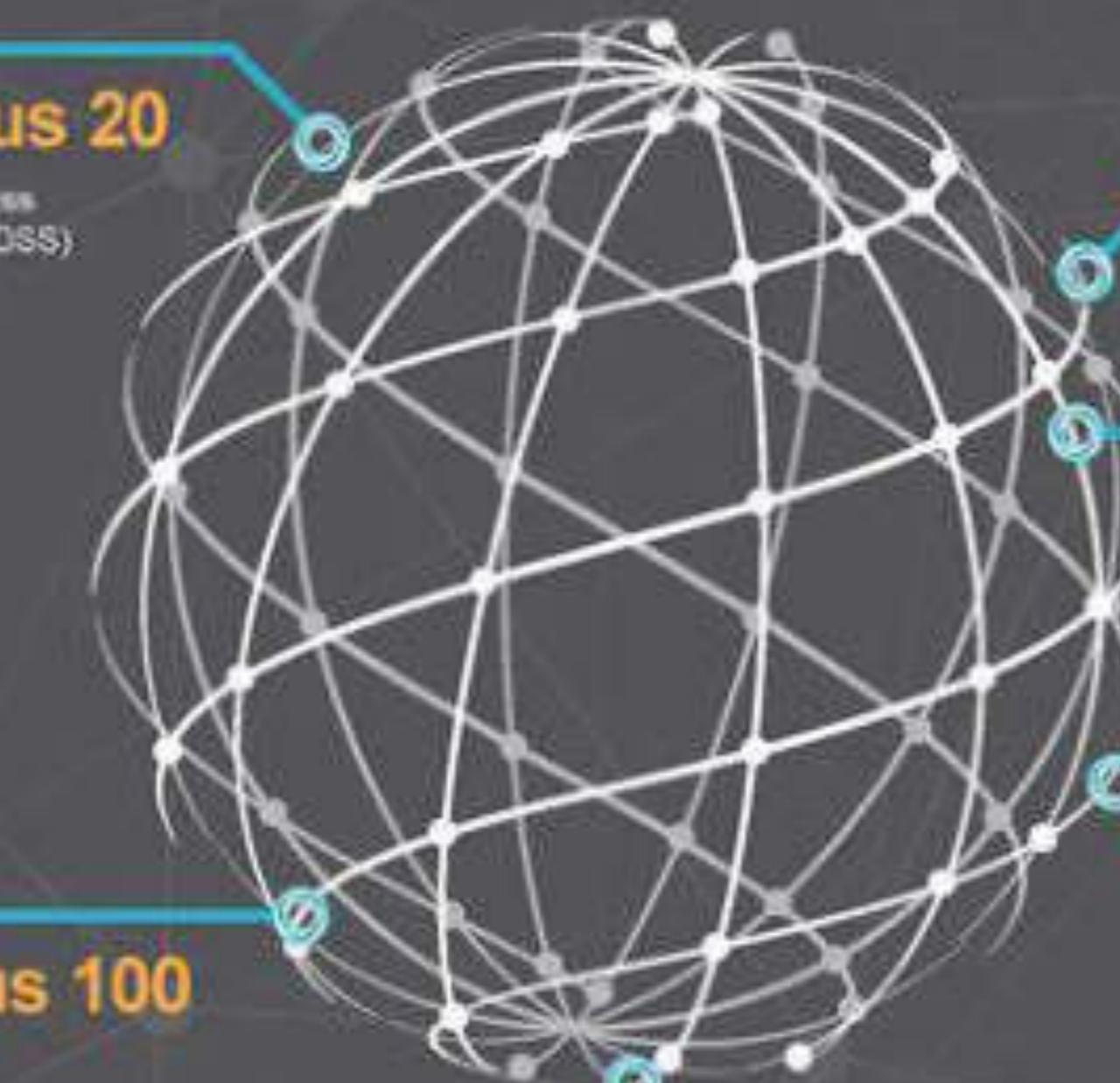
Iridium Certus 20

- Global Maritime Distress & Safety System (GMDSS)
- ACARS
- Asset Tracking
- eLog Book
- Telemetry
- Remote Monitoring

88
kbps

Iridium Certus 100

- Internet/VPN
- Email
- Graphical Weather (WX)
- Photo Transfer
- Credit Card Validation

176
kbps

Iridium Certus 200

- ECDIS Updates
- Aeronautical Charts
- Streaming Audio

1408
kbps

Iridium Certus 1400

- High Definition Video
- Video Conferencing
- Multi-User Internet / VPN
- Telemedicine

704
kbps

Iridium Certus 700

- Standard Definition Video
- Video Conferencing
- Multi-User Internet / VPN
- Telemedicine

352
kbps

Iridium Certus 350

- Flight Data Recorder Streaming
- VSAT Redundancy
- Low Resolution Video

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**Send us a message or visit us
Whenever you like**

MSP - GEOSAT

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Thanks for Coming