SMARTCONNECT GATEWAY

Cellular/Satellite HybridTracker and communication system

global satellite GROUP

INTRODUCTION:

You're sailing the open ocean, miles from land. You're relying on your security system to keep your yacht safe, but what if it fails?

What if someone boards your yacht and takes everything you own? Or what if you're attacked by pirates? The thought of being stranded in the middle of the ocean, with no way to call for help, is terrifying. And what if you're caught in a big storm and can't get a decent weather forecast?

The fear of losing your yacht and putting your family in danger is overwhelming.

A family arrives at harbor on their boat, only to find out that it has been broken into and damaged.

Their vacation is ruined, and they're left feeling violated and scared. The thought of someone trespassing on their property and destroying their belongings is heartbreaking.

That's the reality for many yacht owners, they are around 100 millions in the world, and 17 millions only in the USA.

AROUND 100 MILLIONS YACHTS IN THE WORLD

"Easy to install and to use"

INTRODUCTION:

The security and communication systems available today are often complex and expensive, and they're not always easy to use.

And even if you do have a good security system, there's no guarantee that it will work when you need it most.

But what if there was a better way? What if there was a single, all-in-one security & communication system that was easy to install and to use, and that could protect your yacht from any threat?

SOLUTION:

Well, now there is. Introducing the new SmartConnect Gateway. This brand-new system combines the best of all the existing security technologies into a single, easy-to-use package.
With the SmartConnect Gateway, you can rest assured that your yacht is safe, no matter where you are in the world.

With SmartConnect, you can:

| Track your yacht's location in real time, anywhere in the world | Receive 24/7 distress alerts | Set up custom alerts for security and other purposes | Create a private WiFi network for onboard devices | Connect to the Iridium Certus satellite Network | Connect to the high- Speed satellite service | Anchor Watch | Weather Routage |

SmartConnect is the perfect solution for yachtsmen who demand the best. It's easy to install, easy to use, and covers the entire world.

- Wireless sensorsusingLoRaWan systemtechnology.

- Stand-alone sensors with internal batteries.
  Autonomy: > 3 years+ -up to5 years

- Easy to installin theboat—no cables.

- Up to100 differentsensorscan be added. AnyLoraWancompatible sensor can be added.

- Long range sensors.

- Encryptedcommunicationbetween the main unitand the sensors.

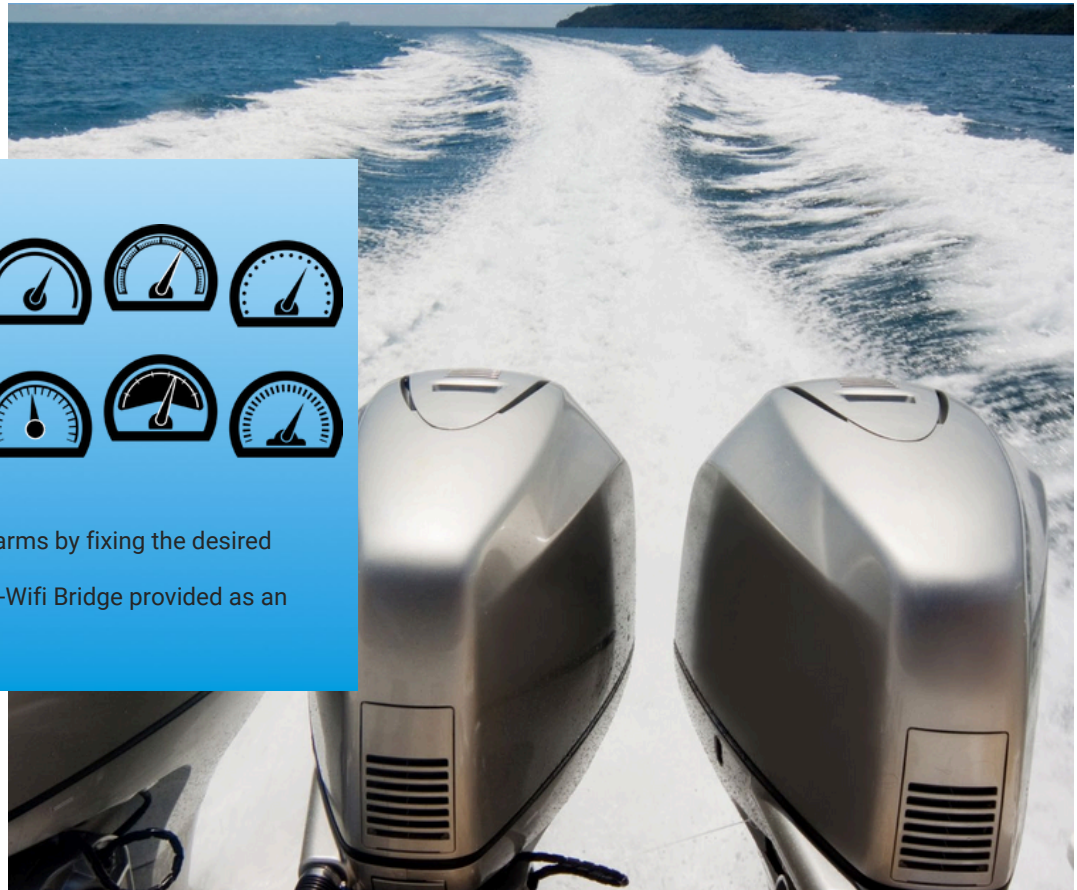## NMEA MEASUREMENTS*:

- Engine RPM Wind
- Speed Water Depth
- Engine Temperature
- Fuel Multiple Engine
- Measurements
-

Capable to create custom alarms by fixing the desired threshold.
(*by using an external NMEA-Wifi Bridge provided as an option)
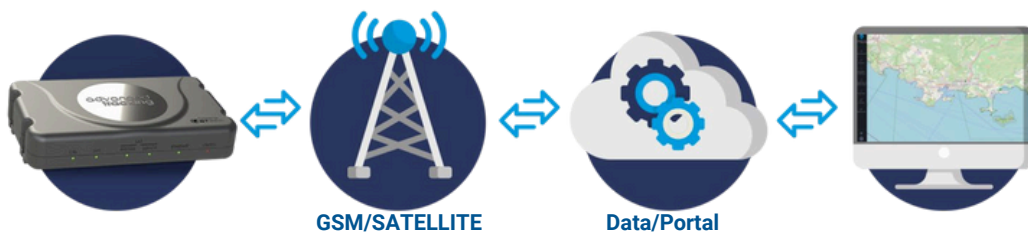
INTERNET CONNECTIVITY:

Integrating multiple internet connectivity methods to ensure seamless communication at sea, our Gateway offers global coverage, high-speed access, and adaptability for enhanced maritime operations.

Ethernet Gigabit Port: Designed for connecting to any existing satellite service

4G Cellular Network: High-speed internet connectivity in coastal and near-shore regions.

Iridium Satellite Network: Reliable global internet access, ideal for remote maritime areas.

The result? Improved efficiency, productivity, and safety, with uninterrupted connectivity even in remote areas, making it an essential tool for modern maritime communication needs.

GSM/SATELLITE   **Data/Portal**

SmartConnect Tracker

- Hybrid Unit
- Cellular/Satellite Tracking
- Cellular/Satellite communication
- Wireless sensors
- Anchor Watch
- Internal battery backup
- Wifi
- NMEA
- Ethernet

Advanced Tracking Servers

- Network management
- Unit management
- Tracker/System configuration
- Data enrichment
- API for third parties

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- Tracking access
- Managing the tracker
- Account management
- Alert Management
- Reports
- Weather Information
- Geofencing
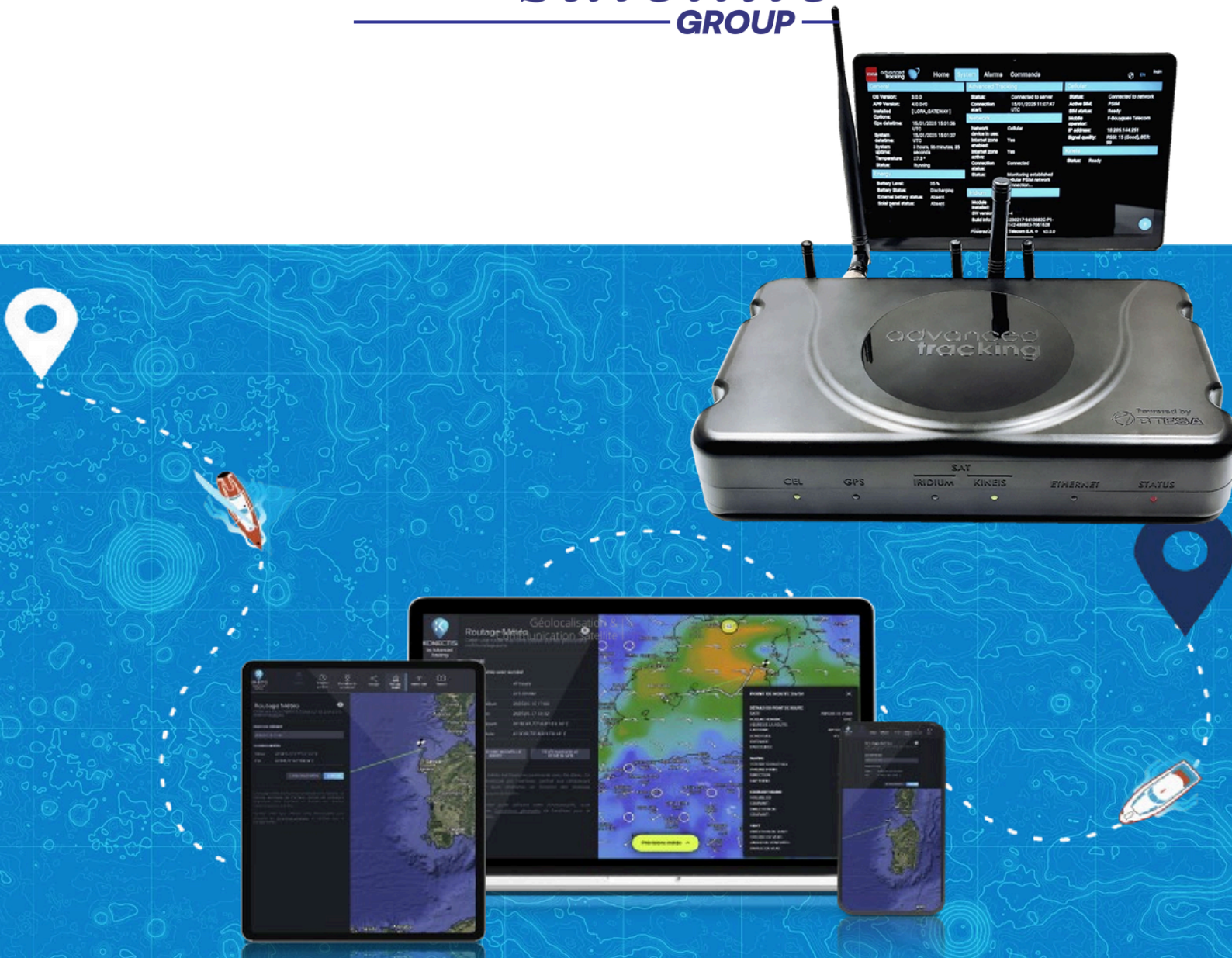- Sharing social networks
- Weather Routage

TECHNICAL INFORMATION:

General	Communication	4G LTE CAT-13 / Fallback 3G – Argos/Kineis satellite – Iridium Certus
	Battery	+12V/+24V / Solar Pannel (VOC Max 30V) the batteries are rechargeable with the main DC input (12V/24V or solar panel) Charge: 0°C~ +45°C In-use: -20°C~ +45°C
Positions	GPS Receiver	72-channel u-blox M8 engine GPS L1C/A, SBAS L1C/A, QZSS L1C/A, QZSS L1 SAIF, GLONASS L1OF, BeiDou B1I, Galileo E1B/C Tracking & Navigation: -166 dBm Cold start: -147 dBm Hot start: -157 dBm
Cellular	Data Operating Bands and Carriers	4G LTE CAT-13 / Fallback 3G Worldwide Global LTE bands, including B14 FirstNet, B71 T-Mobile, B48 for CBRS
	SIM	MFF2 (embedded SIM) + External Plastic SIM

TECHNICAL INFORMATION:

Sensor Operation Range (LoraWan)	Environmental	Temperature [-40, +85; Absolute accuracy ±0.5 °C] Humidity [Absolute accuracy ±3 %RH] Pressure [300...1100 hPa, Absolute accuracy ±1 hPa]
Certification	Certifications*:	CE and FCC certification and Iridium certification
	Network Targets*:	International/Europe: MVNO – 145 Countries covered
Physical	Dimensions	280 x 180 x 50 mm
	Weight	1700 gr
Environmental Operating Range	Temp	-20C to +45C
	Humidity	95% R.H. @ 50C non-condensing

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