



FEATURES and BENEFITS

EMA is certificated for Quality Management System ISO9001:2000. We are also a total system provider for leisure boat tracking and security with a range of products and services. With our own development and production, we are the firm to provide flexible solutions which can be tailored to meet the most demanding of customer's needs.

Key elements of EMA's Yacht Tracking & Monitoring:

BlueTraker®

- Variety of transponders to suit your particular requirement: BlueTraker®2000, BlueTraker®2100, BlueTraker® 2200
- Bidirectional communication with the boat
- pDSC** - private distress selective call
- OTA**: over the air software upgrades
- NMEA 2000** ready
- Fully integrated and robust design
- Total coverage and economy in running costs

Data distribution services

- Fixed airtime subscription for data delivery
- No roaming costs
- Worldwide coverage
- Real time position reporting down to once every 15 minutes

Monitoring application (optional)

- Web access to the YTM software to pinpoint your vessel's position in real time.
- View your boat (or vessel group) on map charts with zoom and pan functionality
- Display of location/speed/heading/route logs
- Set geo-zones to be notified with alarm
- Optional monitoring features: battery level, engine oil level, fuel level, bilge pump indication, fire or smoke detectors, burglar alarm (Premium version)...
- View alerts, statistics and reports
- Review detailed historical tracking data



CERTIFICATES & STANDARDS

ISO9001:2000

Quality management system certificate

CE1304

Certificate of compliance with standards for radio communication devices

IEC60950

Compliance with the safety standard for communication equipment

IEC60945

Marine environment standards compliance

IP68 and IP69K

Water and dust protection grade standards



CE1304



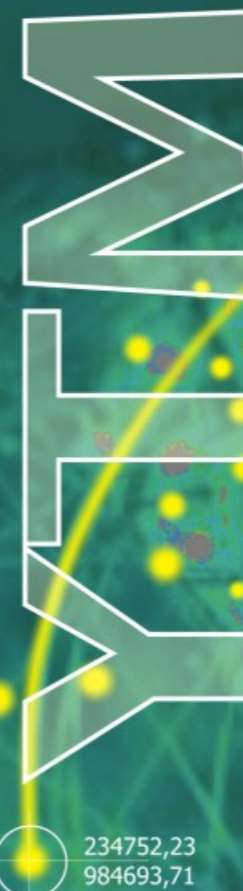
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www.bluetraker.com

Yacht tracking and monitoring

SURVEILLANCE AND SECURITY SYSTEM FOR MOTOR AND SAILBOAT OWNERS



95-08-09



WHERE IS MY BOAT AND WHAT'S GOING ON?

EMA's Yacht Tracking and Monitoring system (YTM) is an efficient real time surveillance and security system for your leisure boat. Monitor your current and past boat position/route/speed on charts via our web-based software MyBlueTraker and stay informed about different alerts via your mobile phone or e-mail.

YTM will track, monitor and alert you about your yacht worldwide. You will cut expenditure and raise security for your yacht and crew.

The YTM system and integrated BlueTraker® transponder can reduce your insurance company premiums and excess. Ask your insurance company about the benefits that they can offer.

ALL IN ONE SURVEILLANCE SYSTEM!

- Remote security, tracking and monitoring control of your leisure boat
- Simple, user-friendly combination of device and services
- Personalized system for your surveillance requirements
- High quality, cutting-edge technology
- Over-the-air software upgrades (OTA*)
- Flexible options, fixed monthly costs
- Global coverage

*Available for tracking transponders with GSM/GPRS module



HOW IT WORKS

Yacht monitoring is managed through the connectivity of three key elements:

- **BlueTraker® transponder**
- **Telematic data delivery**
- **MyBlueTraker web based monitoring software**

The onboard BlueTraker® transponder collects yacht positions using GPS satellite signals and sends them together with speed, heading and sensor data to the telematic data server. BlueTraker® transponders send data via the GSM (GPRS/SMS) network* when the boat is within a few miles of shore and via the Iridium satellite network** when on open seas. When the boat is on the open sea BlueTraker® transponders that have only a GSM (GPRS/SMS) option for data delivery store telematic data in internal memory and transmit them instantly upon GSM signal availability. All of your processed data is delivered to its web-based monitoring software MyBlueTraker. Each and every important piece of information about the monitored boat is displayed on the map. BlueTraker® transponders offer bidirectional communication to and from the monitoring application allowing the user to view boat information in real time and receive e-mail or SMS alerts.

*BlueTraker® 2200 and BlueTraker® 2000 model
**BlueTraker® 2200 and BlueTraker® 2100 model

BlueTraker® - YOUR PERSONAL BOAT GUARD

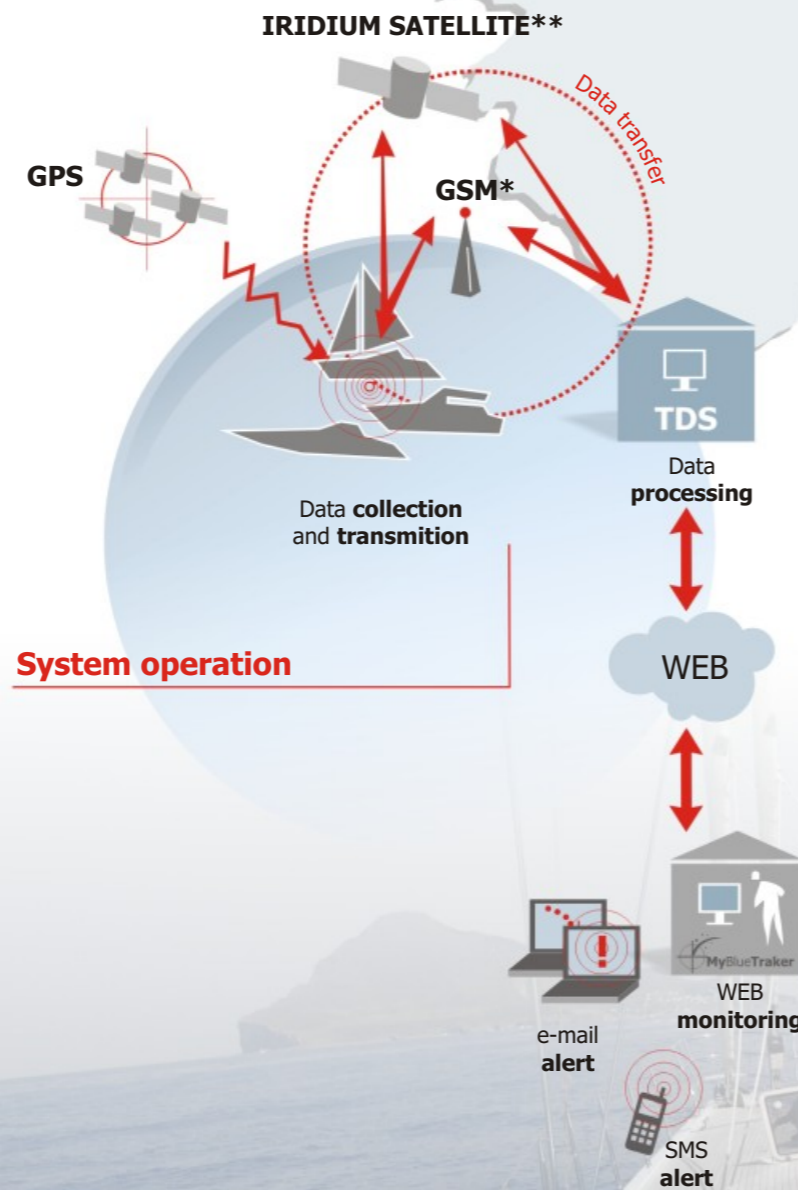
With additional sensors on the boat for water ingress, smoke, burglary, battery level, temperature and motor RPM you can check their status in real time and receive SMS or e-mail alerts. Additional services are also available:

- **pDSC** (private Distress Selective Call) - safety feature for onboard crew and passengers in case of unexpected events.
- **POD** (Poll On Demand) - service that allows the subscriber a bidirectional communication with the skipper and distant activation of predefined functions on the boat from land.
- **Geo-fence alert** - when entering or exiting a set area.

APPLICATIONS

- **Motor and sailboat owners**
- **Yacht harbours and marinas**
- **Marine sport event organisers**
- **Nautical equipment distributors or integrators**

BlueTraker®



GET YOUR OWN PEACE OF MIND SERVICE PACKAGE!

STANDARD – meets the minimum demands of boat owners, who need to know where and how their boat is sailing. It includes data logging, graphic and tabular views of sailing routes and includes the safe sailing service pDSC.

PREMIUM – for the advanced demands of boat users that require a higher level of security. Alerts and information delivery, POD service and special sailing reports plus of course all the features of the standard service package

COST EFFECTIVE SOLUTION for a LONG LIFE OPERATION

Boat tracking devices communicate telematic data through satellite network or GPRS, leaving customers marooned paying higher satellite-routed position reporting costs even when moored right next to a mobile telephone mast! Hybrid BlueTraker® transponders fill the gap in the market for affordable monitoring, reducing communication bills automatically and effectively by employing the low cost and wide bandwidth of GPRS. All BlueTraker® transponders are optimized to a seasonal operational mode activity. In the summer season transponders ensure tracking and security with higher messaging frequency, while in the winter period when boats are mostly at berth the transponder stays in alert mode with the position message frequency set at every 6 hours.

Mobile networks permit low cost software maintenance of the device if necessary. OTA – over the air software upgrades eliminates the expense of human attendance when upgrading the BlueTraker® devices and their software applications. OTA allows you to deploy new features and functionalities with minimal fuss and a low price tag.

The OTA feature of the BlueTraker® ensures 100% uptime and an extended life cycle!

COMPONENTS FOR THE SYSTEM OPERATION



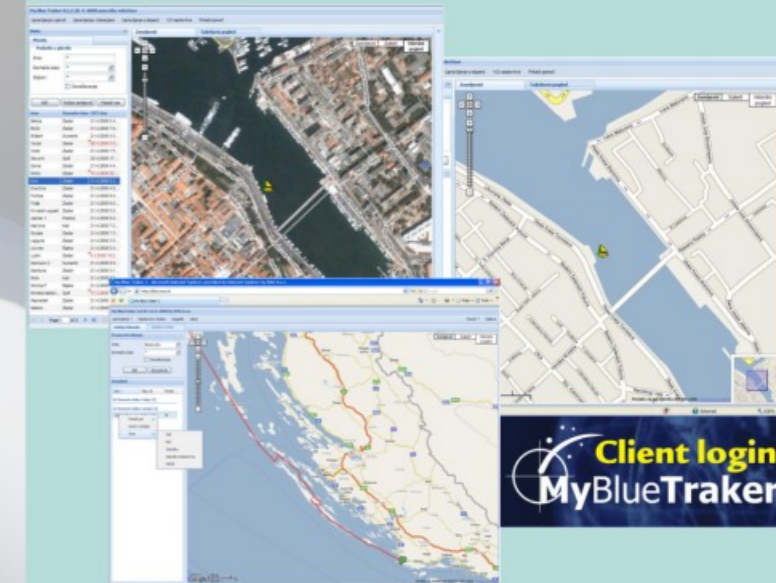
BlueTraker® transponders are wireless gateways with an embedded GPS receiver and antennas.

Models:

- BlueTraker® 2000** - GSM/GPRS
- BlueTraker® 2100** - Iridium Satellite
- BlueTraker® 2200** - Hybrid (Iridium Satellite and GSM/GPRS)

They transmit geolocation and other information via a communication network. These robust tracking devices allow 72 hours of independent operation (embedded back-up batteries). All models are installed above deck as no climatic environment is too tough for the BlueTraker® devices.

MyBlueTraker monitoring application - web based monitoring software which processes and displays your data on the map and generates reports about your leisure boat. You may log on via your personal web portal wherever you are. There you will find up-to-the-minute information regarding position, speed and status. This means that if you are out sailing, your friends and relatives can see where you are and that you arrived safely while the pDSC and POD services enable communication between boat and land.



Client login
MyBlueTraker