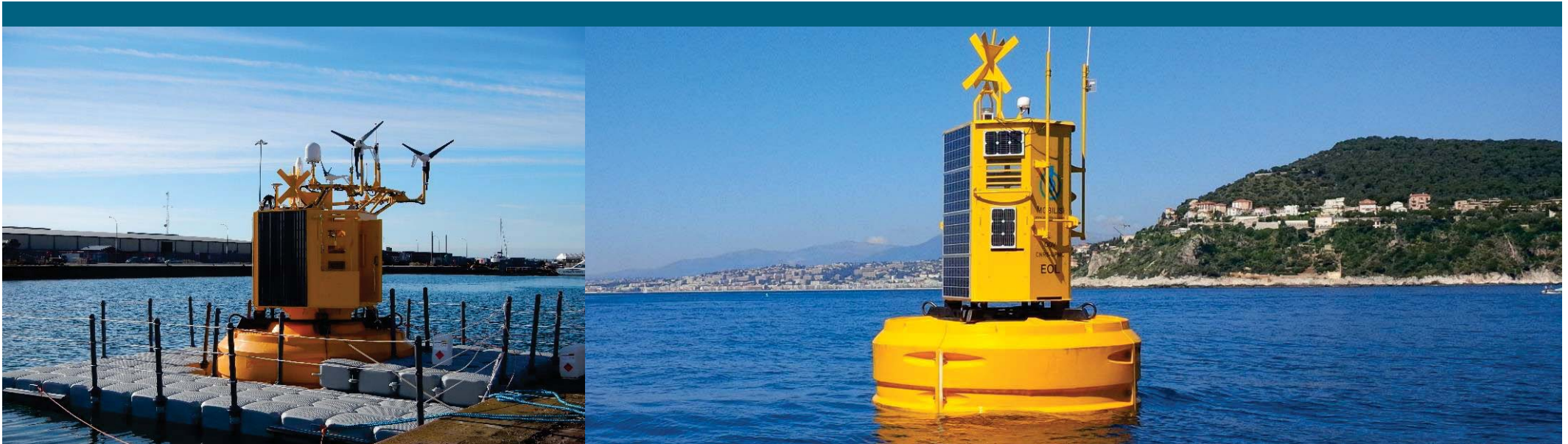


Data Buoy Achievements





Mobilis has designed a range of standard data buoy platforms however all the data buoys can be customised to meet the customer's specifications. Customisation can include sensor package and mountings, solar panels, wind generators, batteries, data loggers and telemetry systems. All Mobilis buoys have been designed to withstand the harsh environment in which they will operate whilst retaining good stability and sufficient reserve buoyancy. Listed below are a selection of data buoy platforms and examples of typical applications.



MOBILIS

DB 350



Diameter: 1200 mm
Focal plane: 1680 mm
Overall height: 1880 mm
Weight: 200 kg
Depth: 20 m approx



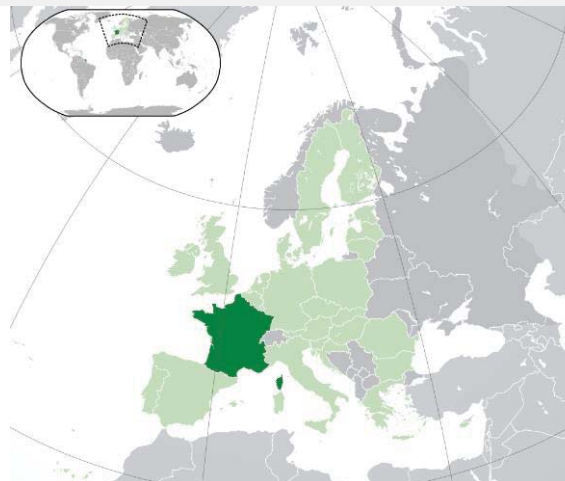
Dredging
International

Country : France

Application : Dredging survey

Functionalities : Turbidity measurement

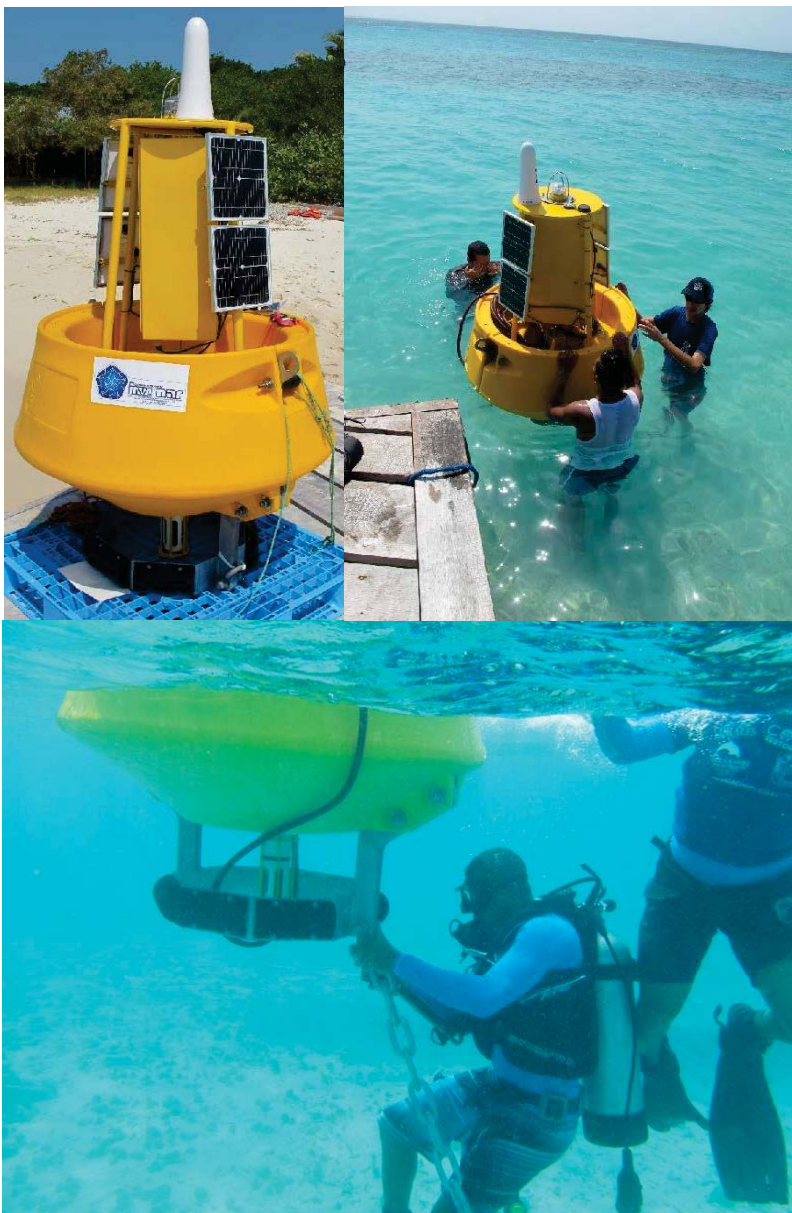
Data transmission mode : Radio





MOBILIS

DB 350



Diameter: 1200 mm
Focal plane: 1680 mm
Overall height: 2600 mm
Weight: 300 kg
Depth: 5 m approx



Country : Colombia

Application : Scientific

Functionalities : chlorophyll analysis, PH, DO, turbidity, conductivity, salinity, water temperature and average water level

Data transmission mode : GOES and GPRS





MOBILIS

DB 500



Diameter: 1200 mm
Focal plane: 1510 mm
Overall height: 2180 mm
Weight: 200 kg
Depth: 30 m approx



Country : Japan

Application : Scientific

Functionalities : Radioactivity sensors

Data transmission mode : Radio





MOBILIS

DB 500



Diameter: 1200 mm
Focal plane: 1510 mm
Overall height: 2180 mm
Weight: 200 kg
Depth: 30 m approx



Country : Guinea

Application : Meteocean

Functionalities : RBR Virtuoso Turbidity (Seapoint) with ZebraTech Hydrowiper JFE INFINITY-CTW ACTW-USB (conductivity, temperature) JFE INFINITY-CLW ACLW2-USB (fluorimeter chlorophyll et turbidity) JFE AROW2-USB (dissolved oxygen)





MOBILIS

DB 1500

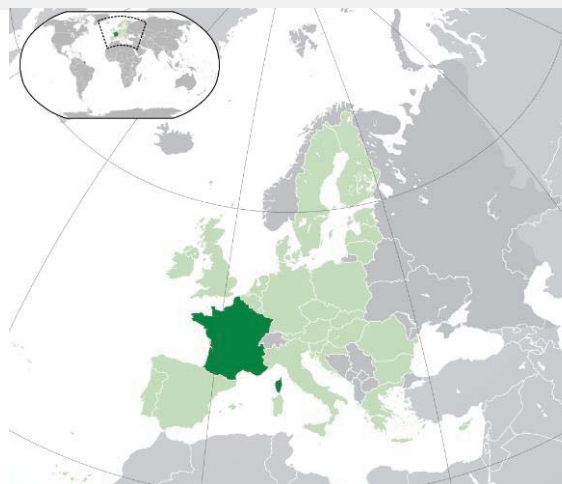
Diameter: 1250 mm
Focal plane: 2260 mm
Overall height: 5400 mm
Weight: 650 kg
Depth: 20 m approx



Country : France

Application : Wave measurement

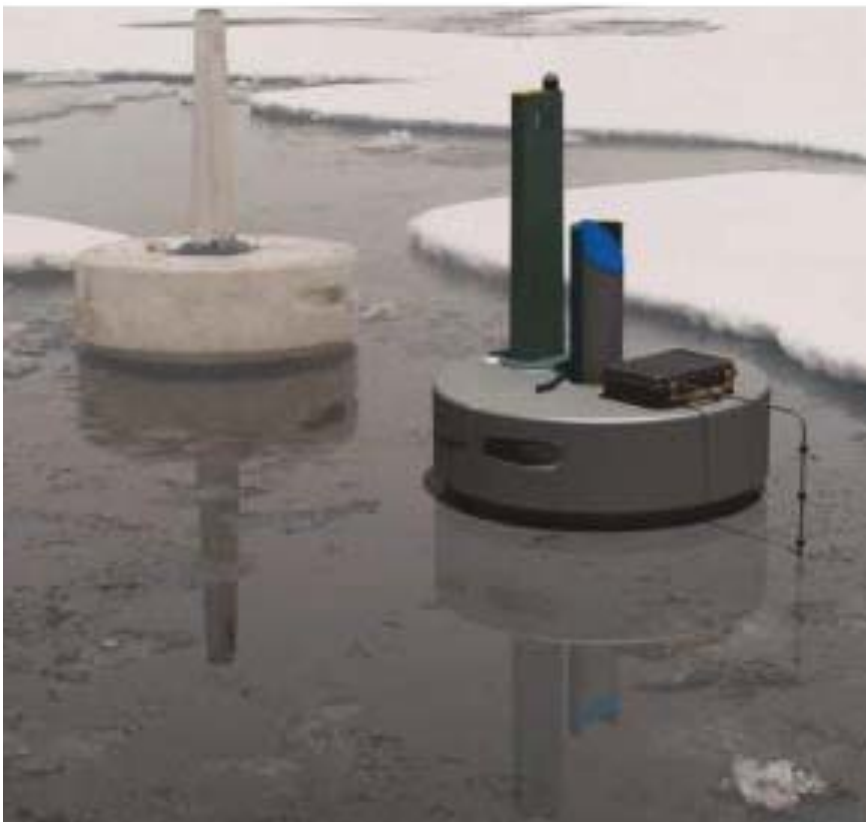
Functionalities : Wave measurement +meteostation





MOBILIS

DB 2500



Diameter: 1850 mm
Focal plane: 2150 mm
Overall height: 5480 mm
Weight: 1030 kg
Depth: 300 m approx

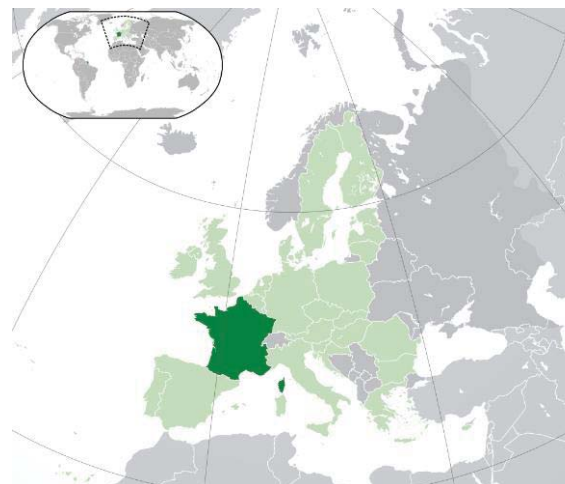


Country : France

Application : Scientific research

Functionalities : Monitoring Arctic climate change - LIDAR, ODS, underwater profile, air temperature and pressure

Data transmission mode : Iridium





MOBILIS

DB 2000



Diameter: 1850 mm
Focal plane: 1960 mm
Overall height: 4220 mm
Weight: 1000 kg
Depth: 50 m approx



Country : Netherlands

Application : Dredging survey

Functionalities : Turbidity measurement, pipe survey

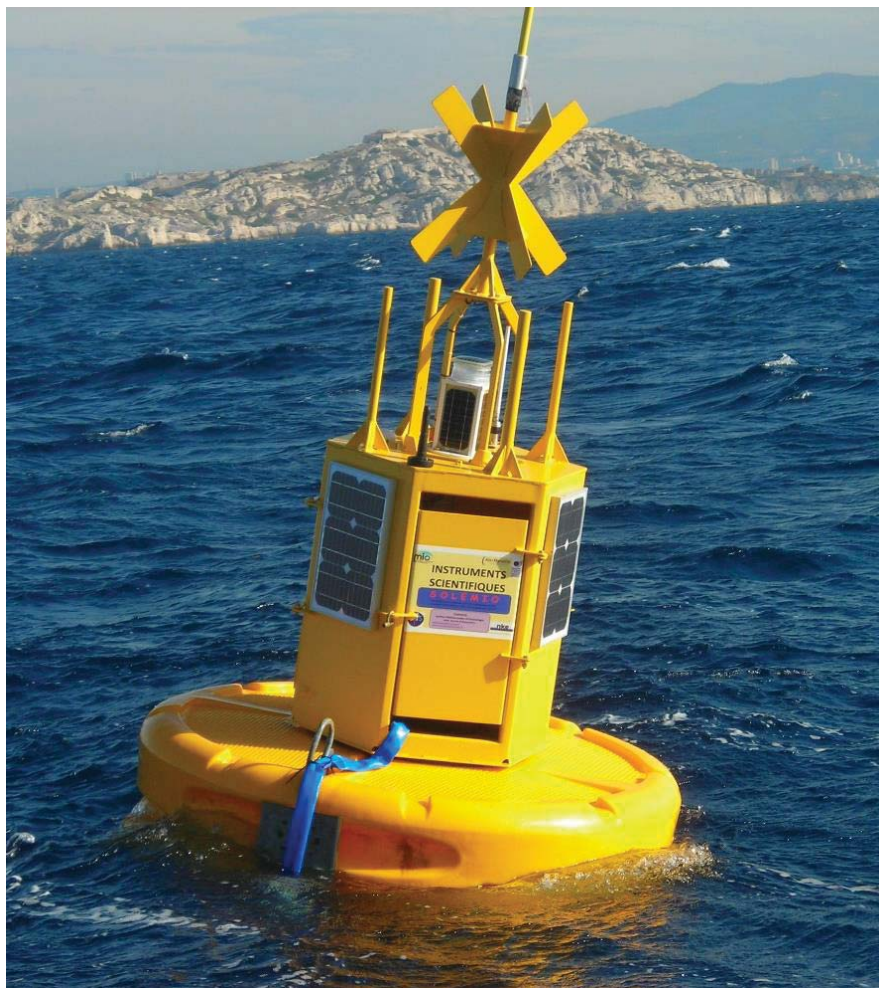
Data transmission mode : Radio





MOBILIS

DB 2000



Diameter: 1900 mm
Focal plan: 1920 mm
Overall height: 4453 mm
Weight: 980 kg
Depth: 50 m approx



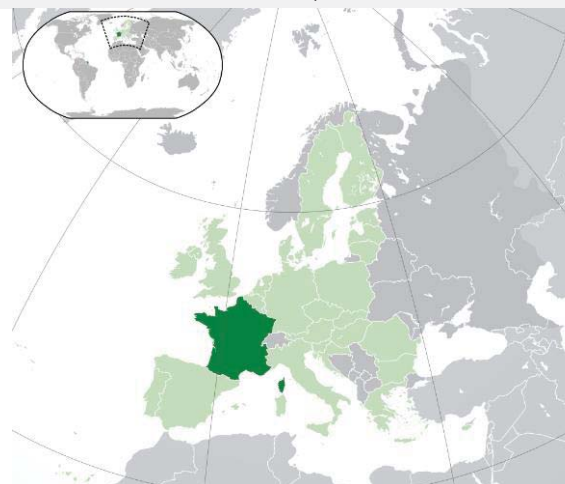
Country : France

Application : Scientific

Functionalities : Monitor the coastal marine environment. Temperature, salinity, oxygen, turbidity, phytoplanktonic chlorophyll.

<http://mio.pytheas.univ-amu.fr/?-Observation-marine->

Data transmission mode : Radio, GPRS





MOBILIS

DB 2500



Diameter: 1850 mm
Focal plane: 2150 mm
Overall height: 5480 mm
Weight: 1030 kg
Depth: 100 m approx



Country : Spain

Application : Scientific research,
Bioacoustic application laboratory

<http://www.listentothedeep.com/acoustics/listenrt.php>

Functionalities : Listening to the deep ocean environment

Data transmission mode : Radio





MOBILIS

DB 4000



Diameter: 2400 mm
Focal plane: 3380 mm
Overall height: 5558 mm
Weight: 1500 kg
Depth: 30 m approx

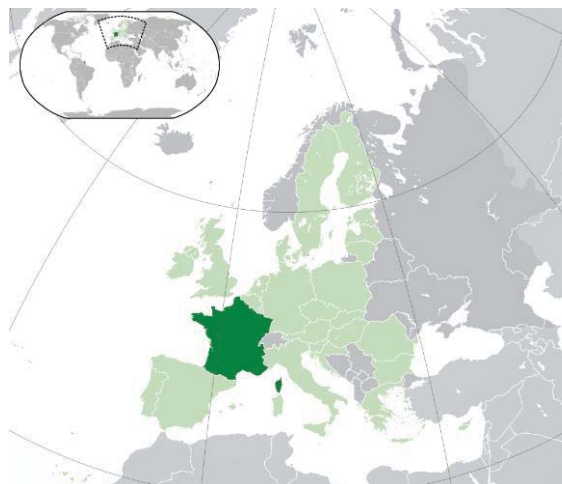


Country : France

Application : Industry - Nuclear Power Plant

Functionalities : Outlet water temperature

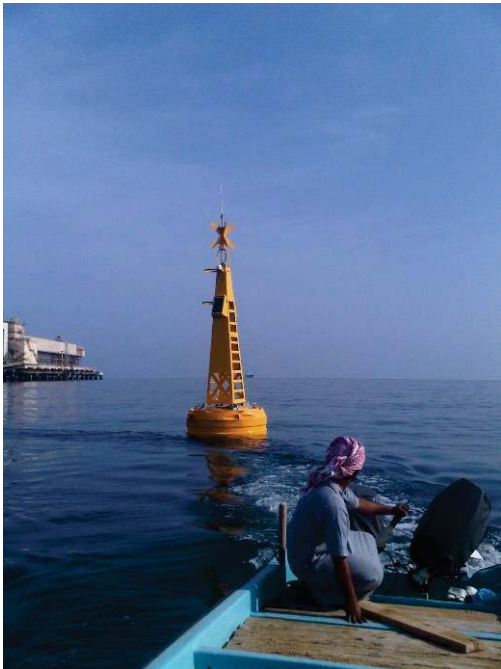
Data transmission mode : Iridium





MOBILIS

JET 5000



Diameter: 2400 mm
Focal plane: 5377 mm
Overall height: 8090 mm
Weight: 2120 kg
Depth: 30 m approx



Country : Oman

Application : Industry - Factory

Functionalities : Inlet and outlet water temperature

Data transmission mode : AIS





MOBILIS

JET 5700



Diameter: 2600 mm
Focal plane: 3490 mm
Overall height: 6930 mm
Weight: 2020 kg
Depth: 900 m approx



Country : Angola

Application : Oil & Gas. Part of FPSO berthing aid system for Tankers

Functionalities : Meteocean buoy for waves, current speed and direction (ADCP)

Data transmission mode : AIS





MOBILIS

LB 3000



Diameter: 3000 mm
Focal plane: 4000 mm
Overall height: 7300 mm
Weight: 2800 kg
Depth: 30 m approx



Country : Netherlands

Application : Port Authority surveillance

Functionalities : Metocean buoy for current speed and direction (ADCP)

Data transmission mode : AIS





MOBILIS

DB 8000



Diameter: 3000 mm
Focal plane: 3710 mm
Overall height: 7740 mm
Weight: 2.5 to 3 tons
Depth: 1600 m approx



Country : Angola

Application : Oil & Gas. Part of FPSO berthing aid system for tankers

Functionalities : Metocean buoy for waves, current speed and direction (Waves sensors + ADCP)

Data transmission mode : AIS





MOBILIS

DB 8000



Diameter: 3000 mm
Focal plane: 3750 mm
Overall height: 7700 mm
Weight: 3 tons
Depth: 70 m approx

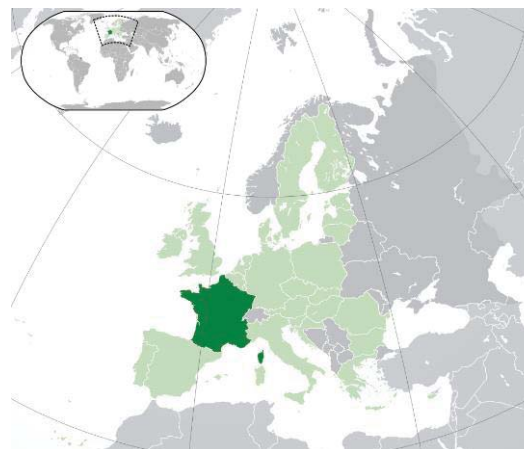


Country : France

Application : Intercomparison of wave measurement

Functionalities : Metocean buoy for waves (direction, frequency, height), current speed and direction (ADCP), meteorology data.

Data transmission mode : AIS, GSM





MOBILIS

DB 8000



Diameter: 3000 mm
Focal plane: 3843 mm
Overall height: 6453 mm
Weight: 2.5 to 3 tons
Depth: 800 to 1400 m

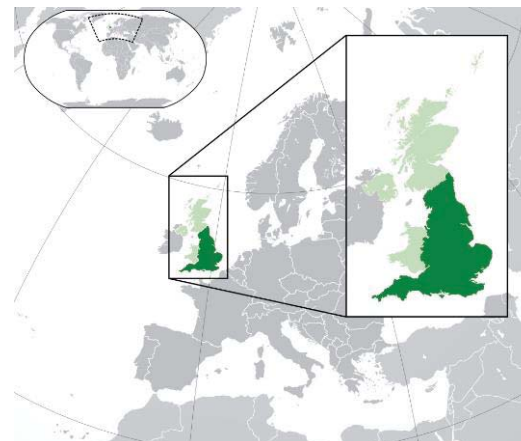


Country : United Kingdom

Application : Meteocean buoy

Functionalities : Sea surface temperature, turbidity, air temperature, windspeed, waves.

Data transmission mode : Radio, AIS





MOBILIS

DB 8000



Diameter: 3000 mm
Focal plane: 4000 mm
Overall height: 7080 mm
Weight: 2.5 to 3 tons
Depth: 800 m approx

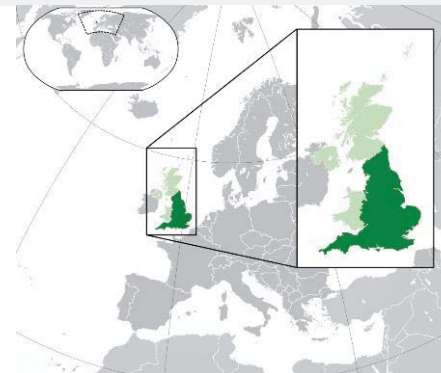


Country : United Kingdom

Application : Scientific research

Functionalities : Monitoring and quantification of physical, biological and chemical changes in the marine environment - Sea surface temperature, salinity, oxygen, turbidity, fluorescence, air temperature, humidity, windspeed and direction and atmospheric pressure; CDOM fluorescence; nitrate and an hyperspectral radiometer, Sunlight Pyranometer

Data transmission mode : Radio, AIS





MOBILIS

DB 8000



Diameter: 3000 mm
Focal plane: 3800 mm
Overall height: 6400 mm
Weight: 2.5 to 3 tons
Depth: 40 m approx



Country : Malaysia

Application : Mining industry

Functionalities : Metocean buoy for wind, air temperature, humidity, pressure, waves, current speed and direction (Waves sensors + ADCP)

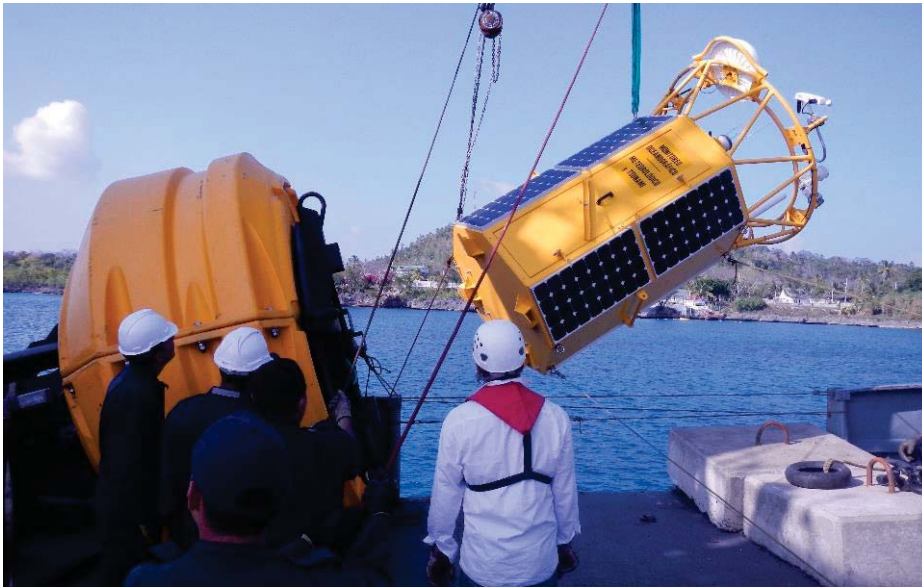
Data transmission mode : AIS





MOBILIS

DB 8000



Diameter: 3000 mm
Focal plane: 4500 mm
Overall height: 6800 mm
Weight: 2.5 to 3 tons
Depth: 50 m approx



Dimar
Dirección General Marítima
Autoridad Marítima Colombiana

Country : Columbia

Application : Scientific & Port Authority

Functionalities : Metocean buoy for wind, air temperature, humidity, pressure, visibility, water temperature, salinity, conductivity, waves, current profile (Waves sensors + ADCP)

Data transmission mode : AIS, GPRS, Iridium, GOE





MOBILIS

DB 8000



Diameter: 3000 mm
Focal plan: 1920 mm
Overall height: 4453 mm
Weight: 980 kg
Depth: 50 m approx



Bioethic
TRADING & CONSULTANCY

Country : Tunisia

Application : Monitor the coastal marine environment and the impact of human activity on the littoral.

Data transmission mode : Radio, GPRS





MOBILIS

DB 14000



Diameter: 3600 mm
Focal plane: 4250 mm
Overall height: 9150 mm
Weight: 3340 kg
Depth: 100 m approx

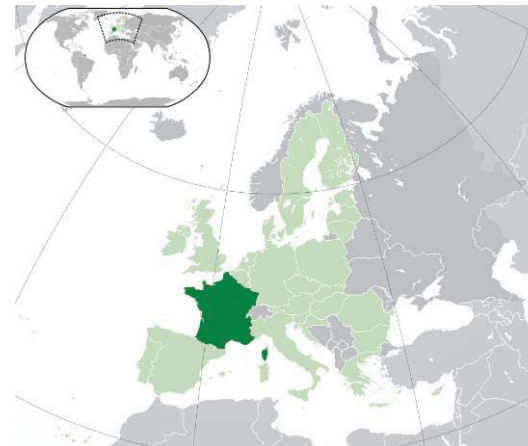


Country : France

Application : Scientific research

Functionalities : Monitor the coastal marine environment and the impact of human activity on the littoral.
A multiparameter probe mounted on a winch for daily profiles measurement.

Data transmission mode : Radio, GPRS





MOBILIS

DB 14000



Diameter: 3600 mm
Focal plane: 4460 mm
Overall height: 6820 mm
Weight: 3270 kg
Depth: 200 m approx

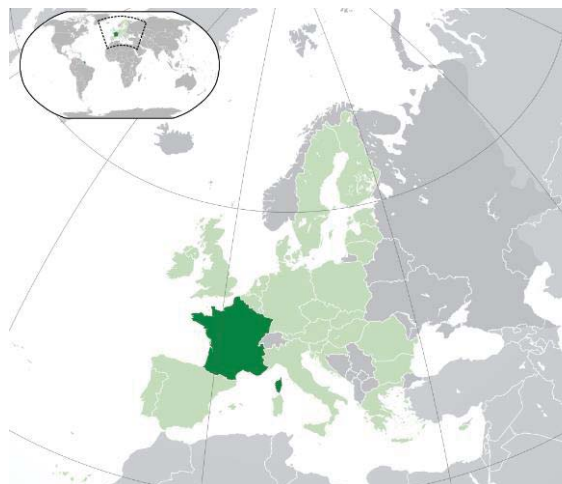


Country : France

Application : Scientific research & Defense

Functionalities :Metocean buoy

Data transmission mode : Radio, AIS





MOBILIS

DB 8000



Diameter: 3600 mm
Focal plane: 6750 mm
Overall height: 10070 mm
Weight: 4500 kg
Depth: 500 m approx



Country : Japan

Application : Tsunami detection

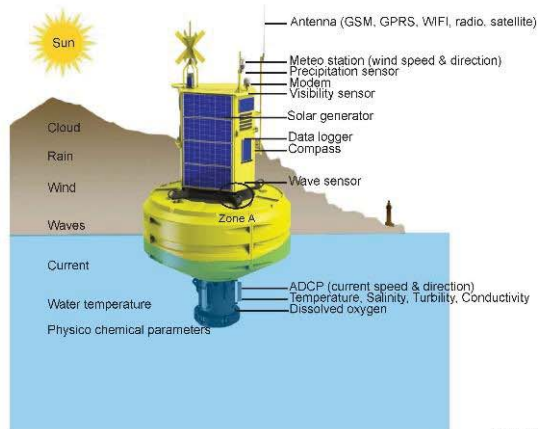
Functionalities : Metocean buoy for tsunami detection system

Data transmission mode : Radio, satellite

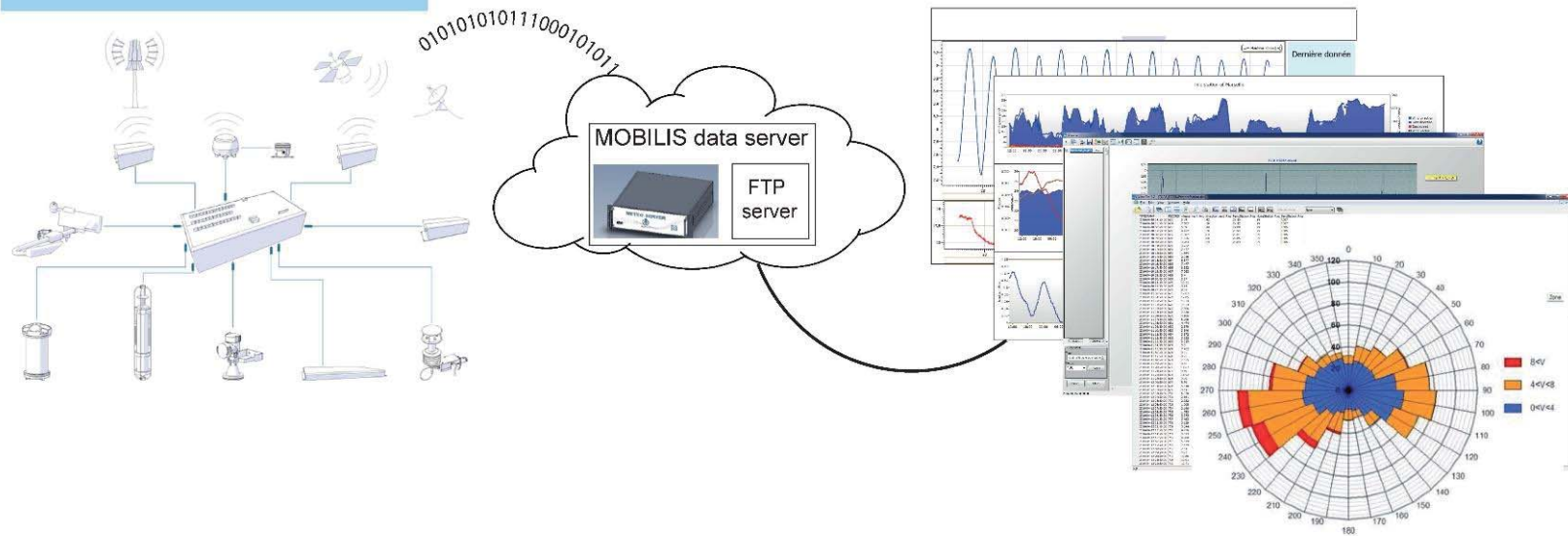


Measurement of parameters

Electronic devices and equipments



Data flow process





MOBILIS

Mobilis data collection system:

Mobilis offers customized software and graphical displays to meet customer specifications.

Engineering Capability:

The Mobilis team will discuss your requirements with you and using many years of experience, will propose a solution customized to meet that requirement. Complete client confidentiality will be maintained at all time.

Strenghts:

In-house engineering with mechanical, electrical and software design. All design and manufacture undertaken with our ISO-9001 quality system.

Communication with 6 languages:

French, English, Dutch, Spanish, Japanese, Arabic.

