



DB 2000

- **COUNTRY** : France
- **APPLICATION** : Scientific
- **FUNCTIONALITIES** : Monitors the coastal marine environment, temperature, salinity, oxygen, turbidity, phytoplankton chlorophyll.
- **DATA TRANSMISSION MODE** : VHF

Diameter : 1850 mm
Height : 4500 mm
Weight : 980 kg
Depth : 50 m

DB 1500

- **COUNTRY** : France
- **APPLICATION** : Smart management of the mooring area
- **FUNCTIONALITIES** : Meteorologic, oceanographic data and mooring load alarm
- **DATA TRANSMISSION MODE** : GPS/GPRS

Diameter : 1250 mm
Height : 5900 mm
Weight : 680 kg
Depth : 10 m

DB 500

- **COUNTRY** : Oman
- **APPLICATION** : Industry
- **FUNCTIONALITIES** : Water temperature
- **DATA TRANSMISSION MODE** : AIS

Diameter : 1200 mm
Height : 2200 mm
Weight : 200 kg
Depth : 15 m

DB 500

- **COUNTRY** : Japan
- **APPLICATION** : Scientific
- **FUNCTIONALITIES** : Radioactivity measurements
- **DATA TRANSMISSION MODE** : VHF

Diameter : 1200 mm
Height : 2180 mm
Weight : 200 kg
Depth : 30 m

DB 500

- **COUNTRY** : Guinea
- **APPLICATION** : Meteocean
- **FUNCTIONALITIES** : Conductivity, temperature, fluorimeter, chlorophyll and turbidity, dissolved oxygen measurement

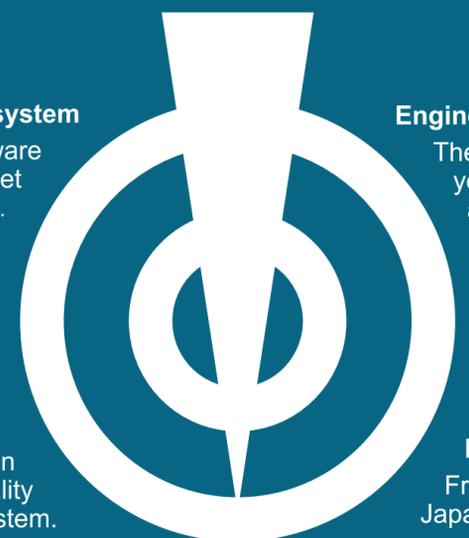
Diameter : 1200 mm
Height : 2000 mm
Weight : 200 kg
Depth : 50 m

DB 500

- **COUNTRY** : Croatia
- **APPLICATION** : Bridge pile construction
- **FUNCTIONALITIES** : Current speed
- **DATA TRANSMISSION MODE** : GPRS

Diameter : 1200 mm
Height : 2000 mm
Weight : 200 kg
Depth : 30 m

Since 1990, Mobilis has been designing and manufacturing buoys for use in rivers and oceans. Mobilis always strives to offer the best solutions using the latest technologies. Thanks to a strong reputation for quality and a wide range of products, Mobilis has an ever increasing customer base and is trusted worldwide to provide the best solution for marine safety.



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

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

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

Communication with 6 languages
French, English, Dutch, Spanish, Japanese, Arabic...



TRANSMISSION



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IC35-00-0920



Mobilis has designed a range of standard data buoy platforms however all the data buoys can be customized to meet the requirements and specifications. Customization 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 examples of typical applications of data buoys platforms.

COMMUNICATION UNDER PROCESS

DB 16000



- COUNTRY** : Japan
- APPLICATION** : Tsunami alert
- FUNCTIONALITIES** : Metocean buoy for tsunami detection system
- DATA TRANSMISSION MODE** : Radio, satellite

Diameter : 3600 mm
Height : 10000 mm
Weight : 4500 kg
Depth : 500 m



DB 14000



- COUNTRY** : Japan
- APPLICATION** : Scientific research
- FUNCTIONALITIES** : Analysis of wave motion and meteorological data
- DATA TRANSMISSION MODE** : Satellite, GPS/GPRS

Diameter : 3600 mm
Height : 12700 mm
Weight : 5000 kg
Depth : 100 m



DB 14000



- COUNTRY** : South Korea
- APPLICATION** : Navigation Aids
- FUNCTIONALITIES** : Current speed
- DATA TRANSMISSION MODE** : GPRS

Diameter : 3600 mm
Height : 7500 mm
Weight : 4000 kg
Depth : 20 m



DB 8000



- COUNTRY** : United Kingdom
- APPLICATION** : Data buoy network for weather forecast
- FUNCTIONALITIES** : Oceanographic and meteorological parameters
- DATA TRANSMISSION MODE** : Radio

Diameter : 3000 mm
Height : 6500 mm
Weight : 3000 kg
Depth : 1000 m



DB 5000



- COUNTRY** : Oman
- APPLICATION** : Industry
- FUNCTIONALITIES** : Water inlet and outlet temperature
- DATA TRANSMISSION MODE** : AIS

Diameter : 2400 mm
Height : 8000 mm
Weight : 2200 kg
Depth : 30 m



DB 4000



- COUNTRY** : France
- APPLICATION** : Industry - nuclear
- FUNCTIONALITIES** : Water outlet temperature
- DATA TRANSMISSION MODE** : Satellite

Diameter : 2400 mm
Height : 5500 mm
Weight : 1500 kg
Depth : 30 m



DB 14000



- COUNTRY** : South Korea
- APPLICATION** : Scientific research
- FUNCTIONALITIES** : Current profile measurement and weather data
- DATA TRANSMISSION MODE** : GPRS

Diameter : 3600 mm
Height : 7800 mm
Weight : 3000 kg
Depth : 150 m



DB 14000



- COUNTRY** : France
- APPLICATION** : Scientific research and defense
- FUNCTIONALITIES** : Confidential
- DATA TRANSMISSION MODE** : Confidential

Diameter : 3600 mm
Height : 6800 mm
Weight : 3000 kg
Depth : 200 m



DB 8000



- COUNTRY** : Colombia
- APPLICATION** : Scientific
- FUNCTIONALITIES** : Physico-chemical, oceanographic and meteorological parameters
- DATA TRANSMISSION MODE** : AIS, GPS/GPRS, GOES

Diameter : 3000 mm
Height : 6800 mm
Weight : 3000 kg
Depth : 50 m



DB 8000



- COUNTRY** : United Kingdom
- APPLICATION** : Scientific research
- FUNCTIONALITIES** : Physico-chemical, oceanographic and meteorological parameters
- DATA TRANSMISSION MODE** : Radio

Diameter : 3000 mm
Height : 7000 mm
Weight : 3000 kg
Depth : 800 m



DB 4000



- COUNTRY** : Senegal
- APPLICATION** : Scientific research
- FUNCTIONALITIES** : meteorological, radiation, oxygen and carbon, temperature (11 depths), salinity, current (continuous profile).
- DATA TRANSMISSION MODE** : Radio

Diameter : 2400 mm
Height : 8000 mm
Weight : 2200 kg
Depth : 30 m



DB 3000



- COUNTRY** : France
- APPLICATION** : Defense
- FUNCTIONALITIES** : Confidential

Diameter : 2000 mm
Height : 5800 mm
Weight : 1350 kg
Depth : 70 m



DB 8000



- COUNTRY** : Angola
- APPLICATION** : Oil & Gas. FPSO berthing aid systems
- FUNCTIONALITIES** : MODAS - Meteorological, wave and current profil
- DATA TRANSMISSION MODE** : AIS, radio

Diameter : 3000 mm
Height : 7700 mm
Weight : 3000 kg
Depth : 1600 m



DB 8000



- COUNTRY** : France
- APPLICATION** : Laboratory buoy
- FUNCTIONALITIES** : Metocean buoy
- DATA TRANSMISSION MODE** : Radio

Diameter : 3000 mm
Total height : 7700 mm
Weight : 3000 kg
Depth : 80 m



DB 2500



- COUNTRY** : Spain
- APPLICATION** : Scientific Research/ Bioacoustics laboratory.
- FUNCTIONALITIES** : Hydrophone, records the soundtrack of the ocean
- DATA TRANSMISSION MODE** : VHF

Diameter : 1850 mm
Height : 5500 mm
Weight : 1030 kg
Depth : 100 m



DB 2500



- COUNTRY** : Monaco
- APPLICATION** : Construction
- FUNCTIONALITIES** : Hydroacoustic
- DATA TRANSMISSION MODE** : GPRS

Diameter : 1850 mm
Height : 5500 mm
Weight : 1000 kg
Depth : 50m



DB 14000



- COUNTRY** : France
- APPLICATION** : Scientific research
- FUNCTIONALITIES** : Multiparameter probe mounted on a winch for automatic profiles.
- DATA TRANSMISSION MODE** : Radio, GPRS, Wifi

Diameter : 3600 mm
Height : 9100 mm
Weight : 3000 kg
Depth : 100 m



DB 14000



- COUNTRY** : Turkey
- APPLICATION** : Fisheries Industry, fish project
- FUNCTIONALITIES** : Sonar, radar, video, oceano, meteo and others
- DATA TRANSMISSION MODE** : GPRS, Radio and Satellite

Diameter : 3600 mm
Height : 8000 mm
Weight : 6250 kg
Depth : 35 to 50 m



DB 8000



- COUNTRY** : Netherlands
- APPLICATION** : Port monitoring
- FUNCTIONALITIES** : Meteorological parameters and current profil
- DATA TRANSMISSION MODE** : Radio

Diameter : 3000 mm
Height : 7300 mm
Weight : 2800 kg
Depth : 30 m



DB 5700

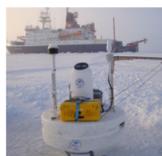


- COUNTRY** : Angola
- APPLICATION** : Oil & Gas. FPSO berthing aid systems
- FUNCTIONALITIES** : MODAS - Meteorological, wave and current profil
- DATA TRANSMISSION MODE** : AIS, radio

Diameter : 2600 mm
Height : 7000 mm
Weight : 2000 kg
Depth : 900 m



DB 2500



- COUNTRY** : France
- APPLICATION** : Scientific research
- FUNCTIONALITIES** : Arctic climate change monitoring - LIDAR, ODS, underwater profile, air temperature and pressure.
- DATA TRANSMISSION MODE** : Satellite

Diameter : 1850 mm
Height : 1500 mm
Weight : 500 kg
Depth : NA



DB 2000



- COUNTRY** : Netherlands
- APPLICATION** : Dredging study
- FUNCTIONALITIES** : Turbidity measurement, pipe study
- DATA TRANSMISSION MODE** : VHF

Diameter : 1850 mm
Height : 4220 mm
Weight : 1000 kg
Depth : 50 m



Date and time (U.T)	H1/3 (meters)	Hmax (meters)	Th1/3 (seconds)	Dit at Peak (degrees)	Spread at Peak (degrees)	Temperature (degrees C)
14/01/2020 09:30	1.0	1.4	211	52	15.0	
14/01/2020 09:00	0.9	1.3	216	52	15.0	
14/01/2020 08:30	0.9	1.3	216	52	15.0	
14/01/2020 08:00	0.9	1.3	216	52	15.0	
14/01/2020 07:30	0.9	1.3	216	52	15.0	
14/01/2020 07:00	0.9	1.3	216	52	15.0	
14/01/2020 06:30	0.9	1.3	216	52	15.0	
14/01/2020 06:00	0.9	1.3	216	52	15.0	
14/01/2020 05:30	0.8	1.6	210	38	15.0	
14/01/2020 05:00	0.7	1.3	214	29	15.0	

ALARM

DATA RECEIVED

