



MOBILIS



“Your success, our satisfaction”



MOBILIS History

- | | |
|------------|--|
| 1992 | First Lightweight and modular buoy |
| 2005 | First polyethylene Lightweight and modular buoy |
| 2006 | Range of data buoys (metocean, weather forecast, offshore...) |
| 2010 | Supervision system traffic area |
| Since 2010 | Development of technologies concerning data buoys |



MOBILIS Products

Navigation buoys

Mooring buoys



Data buoys





MOBILIS

Navigation buoys



MOBILIS proposes a complete range of modular buoys, compound of:

- Tower and topmark (aluminium, polyethylen or polyurethane)
- Modular and waterproof floats (PE UV 15) with anti-skid surface
- Structure (steel, or polyethylene) long, intermediate, flat bottom, skirted.



Data buoys



Global data collection:

- Weather
- Oceanic: wind
- Temperature
- Wave
- Sea current
- Tide
- Activity on the environment (with the CNRS)

- Communication by AIS, GOES, Iridium, GSM and WIFI

Each project is a specific system that requires investigation, studies and optimization, in accordance to the specific **need of the customer**, each buoy is **unique**.



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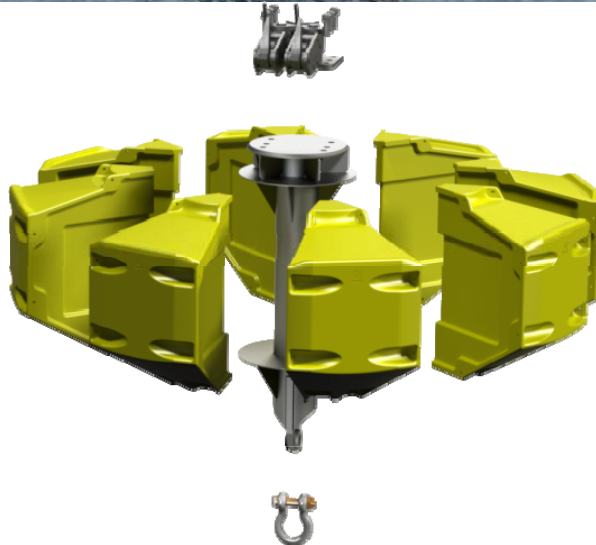
Mooring buoys



Our models are custom-designed according to your needs and to the site .

The models we propose:

- We can propose small models up to SWL 300T
- Buoyancy of 17m³
- Shackles, D-link , QRH, static T



Each client is different, therefore we must adapt our products to the demands and requirements of each one.

The modern materials which we propose must integrate to the existing ones.

We offer personalized solutions based on industrial, trustworthy and economic factors.



Modularity of buoys

voyant réflecteur radar
top mark radar reflector

feu
light

mât modulaire
modular mast

point de mouillage
mooring point

structure
structure

lest
ballast



support de feu
light support

platine d'interface
desk of interface
points de levage
lifting points

flotteurs modulaire étanche
modular sealed floats

anode
anode

point de mouillage
mooring point

manille
shackles





Materials

The float is manufactured in medium density to ensure non-deformation.
The walking area of the buoy is built with anti-slip deck and foot lock.
Built in 4 or 2 modular floats; allows for an easy maintenance process at a lower price.

Mobilis' floats are made with polyethylene medium density which is a memory material.

Mobilis' floats solution offers many advantages:

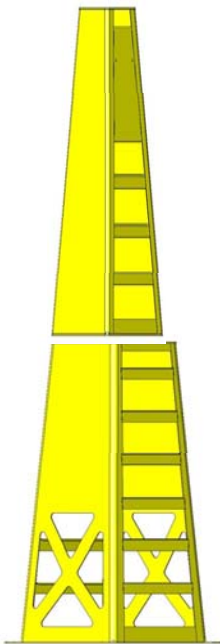
- Stability
- Light Weight (divided by 3 from a normal buoy)
- Maintenance
- Robustness



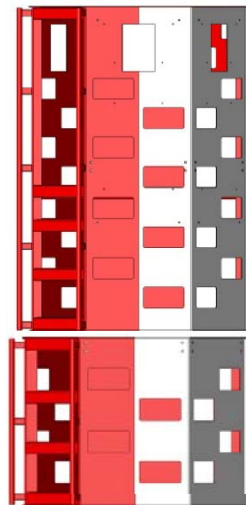


Materials

ALUMINUM MAST



Standard mast



High visibility mast

Mobilis' aluminium towers are modular and designed to provide safety to maintenance personnel. They also provide a high visibility thanks to the high quality painting and their unique shape.

MARINE GRADE GALVANISED STRUCTURE



Mobilis' Galvanised structure provides many advantages:

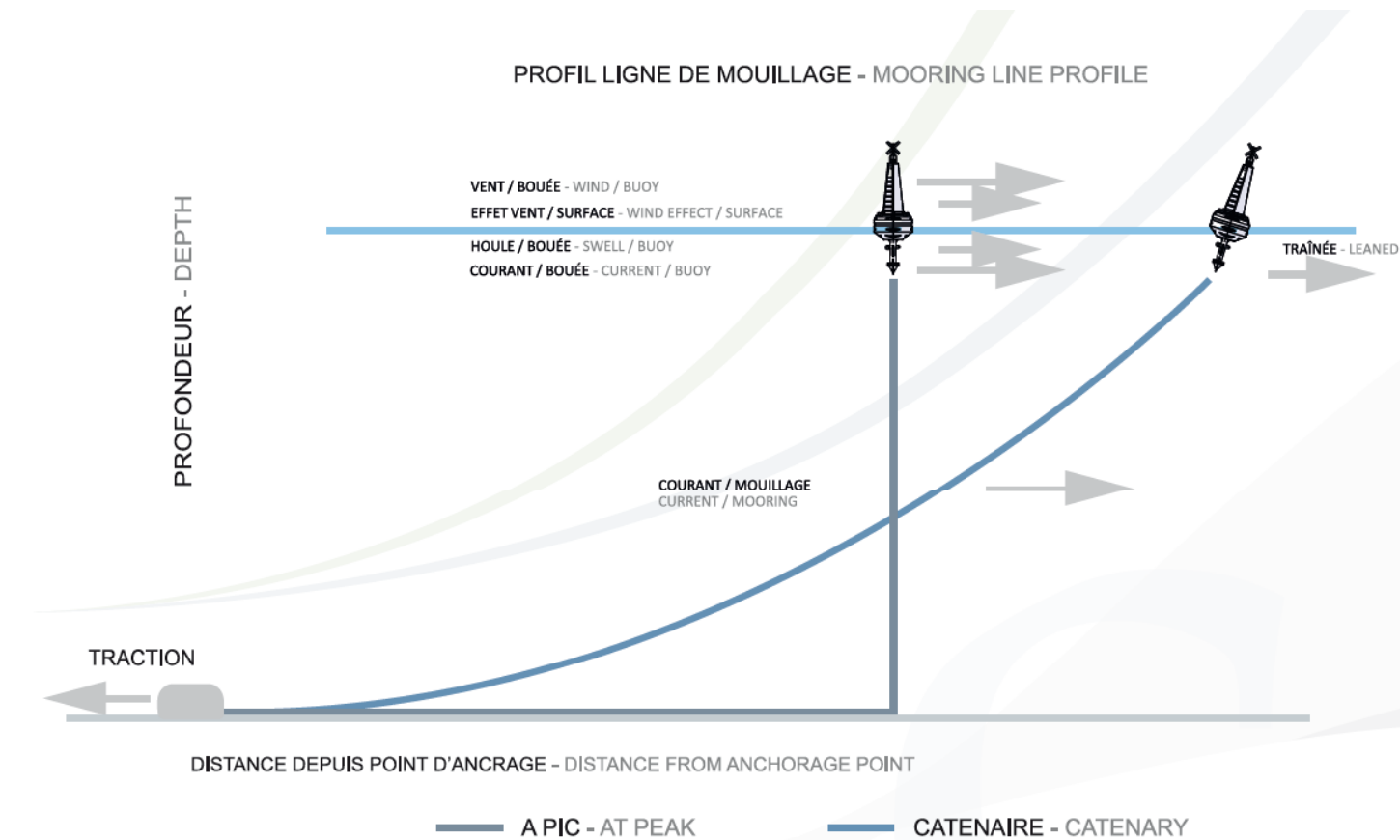
- Robustness: (refer: «traction tests»)
- Light weight
- Corrosion resistance (sacrificial anodes are fixed on the structure)



Calmar



Catenary mooring line calculation





MOBILIS

VTS / AIS



MOBILIS VTS provides a real-time picture of vessel movements in a surveillance zone data. This real-time monitoring can improve traffic management and safer navigation.



The automatic identification system (AIS) allows to get information such as:

- Name
- Type
- Size
- Identification (MMSI)
- Actual position
- Status of the buoy
- Meteorological and hydrological data



VTS / AIS



PS08 including AIS for
ATON during tests

