



This 47.50-meter long ship has been the flagship vessel of the fleet of the **Phares et Balises** (the French Coastguard) since October 2002. It is an extremely automated vessel, with omni-directional propulsion and a dynamic positioning system.

- ✓ Tank capacity: 46,000 litres
- ✓ Electric propulsion
- ✓ Energy: 2 x 906 kVa
- ✓ Diesel generator for anchor: 1x181 kVa
- ✓ Chief Mechanic: Georges Pennec



CETMEF: Centre d'Etudes Techniques Maritimes et Fluviales (Centre for Maritime and Inland Navigation)

CETMEF is directly linked to the French Ministry for Equipment, Tourism and Marine Affairs (www.equipement.gouv.fr).

The *Armorique* has been operating on **Xbee** diesel since October 2004.

Georges Pennec, Chief Mechanic, states that "continued use of **Xbee** keeps the various components of the injection system in good condition and optimises the quality of combustion."

Today, the two other largest vessels also operate on **Xbee** fuel.



Engines and fuels guarantees:

▫ **Xbee** is recognized by some of the most important marine engines manufacturers.



▫ On the other hand, **Xbee** respects the European regulation EN 590 Diesel norm and CSR 500 IFO 380 norm.

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