

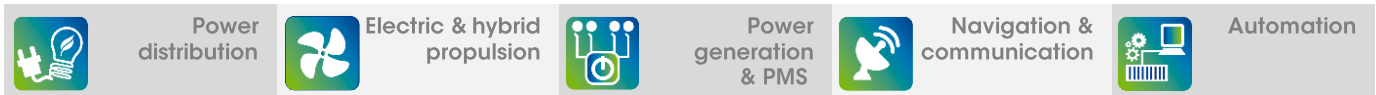
# Yacht – Explorer vessel

## Main characteristics



Shipyard	Piriou
Type	Explorer Vessel
Overall length	76,60 m
Beadth	13 m
Propulsion	Diesel-electric
Maximum speed	15 Knots
Draft	4,40 m
Classification	BV AUT-UMS, ICE IC, CLEANSHIP

## Scope of services and deliveries



**BARILLEC marine, as global electrical contractor for Piriou shipyard, has designed, delivered and commissioned the electrical systems onboard “YERSIN”**

- Main and secondary switchboards
- Electrical cabinet
- Power distribution
- Control desks
- Fully integrated power management system interfaced to the electrical propulsion
- Internal communications and high speed polyvalent data network with redundancy (10 Gbits)
- Entertainment system, closed circuit television



# Technical characteristics

- **Power Generation - 4MW**
  - Power production : 4x800kW + 2x400kW in 690V, 50Hz
  - Main propulsion 2x1500 kW by azimuth thruster
- **Hybrid propulsion converter and shore connection system**
  - Variable frequency and voltage ranges
  - Shore power: 2x150kW
- **Converter with a low level of harmonic:** AFE – *Active Front End* technology
- **Marine integration**
  - Integral liquid cooling
  - Complete monitoring interface
  - Remote maintenance service



A diesel electric hybrid system of last generation has been installed by **BARILLEC marine**:

- Power generation : 4MW in low voltage
- Azimuth thrusters : 2 x 1500 KW and pump-jet of 600 KW

A new range of converters has been specifically integrated to combine the needs of propulsion and supply from shore with variable voltage and frequency

These converters of weakness harmonious rejection are entirely water-cooled, and authorize the technical support by a remote system which is based on a latest generation interface man-machine.

● Green technology      ● Innovative design      ● Worldwide service