BLUE GROWTH in EUROPE
Fishing Vessel of the future
A 25 m Diesel Electric Prototype

© Bureau MAURIC - 2015
A 25 m Diesel Electric Prototype

- Under construction at Socarenam Shipyard (Boulogne/mer)

- Designed, built and evaluated as part of the French Research Program “Navire du Futur” (Ship of the Future)

- The Project is partially subsidized by the French Agency ADEME

- The Project Budget:
  - Overall cost: 8,2 M€
  - Subvention: 2 M€
  - Owner: 3 M€
  - Consortium: 3,2 M€

- The vessel is planned to be delivered this summer 2015
- Then she will be tested at sea for six month
A fishing vessel equipped for:
- Bottom trawling,
- Pelagic trawling
- Fly shooting

The aim of the concept:
- A reference for the renewal of the ageing French and European fishing fleet
- A new product line based on ARPEGE Prototype
- Safer: Freeboard higher, full stability criteria
- Low consumption: Fuel consumption reduced by 25 %
- More profitable / Fish processing aboard
- Comfortable at sea / Separation between working and living area
The Main Characteristics
- Hull length: 25 m
- Breadth : 8.50 m
- Displacement : 300 t
- Propulsion Power : 2x 220kW
- Genset: 2 x430 Kwe
- Crew: 8 persons
- Hold Capacity : 80 m³

Why Diesel Electric ?: A controllable network safe and efficient for energy saving
A 25 m Diesel Electric Prototype

Ergonomy strategy

3D Virtual Reality

Under construction
Projets FILHyPyNE (FILière Hydrogène pour la Pêche polyvalente)
A dedicated approach on global energy system for fishing: Wind propeller !!!!

The concept of captive fleet for fishing

Électrolyser : Hydrogen production

Hydrogen storage

Production électricité - EMR

FILHyPyNE

Bureau MAURIC
Since 2022, the propulsion hydrogen - electric become interesting from an economic point of view.
FILHyPyNE Project objectives

A 12 m long fishing vessel dedicated for net or line fishing

Validate the hydrogen propulsion architecture in real coastal fishing activity
- Technical performance,
- Economical efficiency
- Environmental impact
- Societal integration