SERENITE

A SAFER, CLEANER MORE ECONOMICAL COASTAL FISHING VESSEL

The SERENITE project involved building a demonstrator coastal fishing boat of under 12 metres with the aim of commercialising an innovative, flexible vessel that would provide ship owners with a more economical and environmentally friendly option.

The project comprised three specific innovative aspects: advanced architecture, diesel-electric propulsion system and integration of bio-sourced materials. These were designed to significantly reduce energy bills and maintenance operations and to improve onboard comfort and safety.

Plans for the vessel were fine-tuned during the project with 1:12 scale model tests carried out in tanks at the Ecole Centrale de Nantes. A study of diesel/electric engine power was also carried out.

The phase 1 objectives were all attained. The search is now on for a partner yard to construct the mould and for ad hoc funding. The present challenge is to create a composite mould for the hull that will pave the way for building the first demonstrator and, potentially, twenty new vessels.

Partners

Companies

Breizh Marine Consult, Paimpol [Project Developer]
Arkema, Colombes
Coprexma, Pont-l'Abbé
Groupe Dehondt, Notre-Dame-de-Gravenchon

Research centers

École Centrale de Nantes
Ifremer, Laboratoire Comportement des Structures en Mer, Brest

Other partner

Institut Maritime de Prévention, Lorient

Funders

- Fonds Européen pour la Pêche
- Direction des Pêches Maritimes et de l'Aquaculture (DPMA)
- Conseil régional de Bretagne
- Conseil départemental du Finistère
- Conseil départemental des Côtes d'Armor
- Conseil départemental du Morbihan
- Conseil départemental d'Ille-et-Vilaine

Labelisation

24/05/2013

Overall budget

1498 K€