



## NAVALIS

### INNOVATIVE CREWBOATS FOR OFFSHORE WIND FARMS

The NAVALIS project will design an innovative, high-speed crewboat to safely transport personnel to offshore wind turbine sites in difficult sea conditions, which will feature a robotic gangway for greater ease and comfort. Designed to meet low-cost construction and operating performance targets, Navalis will minimise the vessel's environmental impact within the renewable energy process.

In the course of the project, several R&D programmes will be carried out relating to hydrodynamics, embedded artificial intelligence, powertrain, vibroacoustics, eco-design and optimising enterprise organisation and management. The results of this work will be validated by real-life tests on a demonstrator boat - the 'Navalis Crewboat' - several versions of which may be constructed during this time.

The NAVALIS project is part of a move to develop marine wind farms in France and in Europe, opening up the potential for growth over the next twenty years in the market for crewboats (where demand at a European level already outstrips supply) to innovative companies working in the shipbuilding, shipyard and ship-fitting sector in France.

#### Partners

##### Companies

MSIS Chantiers ALLAIS, Cherbourg [Project Developer]  
ACEBI, Saint-Herblon  
C-Sense, Quimperlé  
Det Norske Veritas France, Marseille  
La Compagnie du Vent (GDF SUEZ), Montpellier  
Marinelec Technologies, Quimper  
Paulstra groupe Hutchinson, Paris  
TSM Windcat, Rouen

##### Research centers

École Centrale de Nantes  
École Nationale Supérieure des Arts et Métiers, Paris  
Institut de Recherche en Systèmes Électroniques, Saint-Étienne du Rouvray

#### Funder

- Ademe

#### Labelisation

27/04/2012

#### Overall budget

7 863 K€