



Shipbuilding and leisure boatbuilding

## COSME

### SIMULATION AND ANALYSIS TOOLS FOR SMART, FOILING BOATS

The COSME project aims to design new simulation, prediction and performance analysis tools for smart foiling vessels. These will be used as a decision-support system by naval architects and project operators working at a very high level.

The tools developed will make it possible:

- To optimise the control of a boat, which will evolve dynamically depending on the weather and route taken
- To produce onboard tools which help with operational and strategic decision making in real time
- To assess in a simulated situation how navigable a particular design will be.

The main market for this project is the racing yacht market, but the tools developed will also benefit pleasure craft and rapid maritime transport.

#### Partners

##### Companies

Benjamin Muyl Design - BMD,  
Auray [\[Project Developer\]](#)  
Guillaume Verdier Architecture navale,  
Larmor-Baden

##### Research center

Université de Bretagne-Sud, Laboratoire  
IRDL (Institut de Recherche Dupuy de  
Lôme), Lorient

#### Funders

Sans financement public

#### Labelisation

06/07/2018

#### Overall budget

1 510 k€