Maritime safety and security

NEMOSENS

NEW DESIGN FOR MICRO-AUV PLATFORM

The NemoSens project involves developing a new category of autonomous undersea platform for the micro-AUV market.

The new platform is characterised not only by its numerous innate functions (communication, imaging and bathymetry) but also above all by its flexibility of use, particularly the facility to add new software functions or new measuring sensors.

In order to integrate these hardware features and successfully keep down costs, the composite materials used are selected mainly for their acoustic properties. Elsewhere, the embedded algorithms are designed to provide the platform with the functions essential to an AUV: undersea navigation, coordination and communication.

The ultimate objective of the project is to demonstrate the capacity to carry out complex missions by deploying the platform at sea and involving several micro AUVs piloted by non-specialist users.

The reduced costs and greater interaction with the operator mean that this micro AUV is intended for all maritime sector players.

Partners

Companies

RTSys, Caudan [Project Developer]
Florian Madec Composites, Brest

Research centers

ENSTA Bretagne, Brest
IMT Atlantique Bretagne-Pays de la Loire, Brest

Funders

- Région Bretagne
- Bpifrance

Labelisation

18/11/2016

Overall budget

3 552 K€