



NEMO

MULTI-SENSOR SIMULATOR FOR DETECTING AND MONITORING THREATS AT SEA

The NEMO project involved developing simulation software for creating a virtual environment in which to perfect sensors. The NEMO tool helps establish the design basis for maritime surveillance systems of the future: combating asymmetric threats, terrorism, piracy and illegal immigration and assisting search and rescue.

The work of the project resulted in software designed to produce simulated data from different marine scenarios observed using visible, infrared and radar sensors, and offering high-performance capabilities in terms of computational speed (interactive capacity), scenario variability and physical phenomena. The realism and speed that characterise this software mean that it can be used in the context of both research and training.

The NEMO tool is particularly aimed at national navies, defence and security sector companies and offshore industries.

A range of services is now offered for exploring new concepts, designing maritime surveillance systems, studying the impact of wind farms on radar systems and also enhancing serious games.

Partners

Companies

Alyotech Technologies, Rennes [Project Developer]
Artal Technologies, Brest
Thales DMS, Brest
Thales Optronique, Élancourt

Research centers

Ifremer, Laboratoire d'Océanographie Physique et Spatiale, Brest
IMT Atlantique Bretagne-Pays de la Loire, Brest

Funders

- Région Bretagne
- Conseil départemental du Finistère
- Brest Métropole
- Rennes Métropole

Labelisation

18/11/2011

Overall budget

2 605 000€