



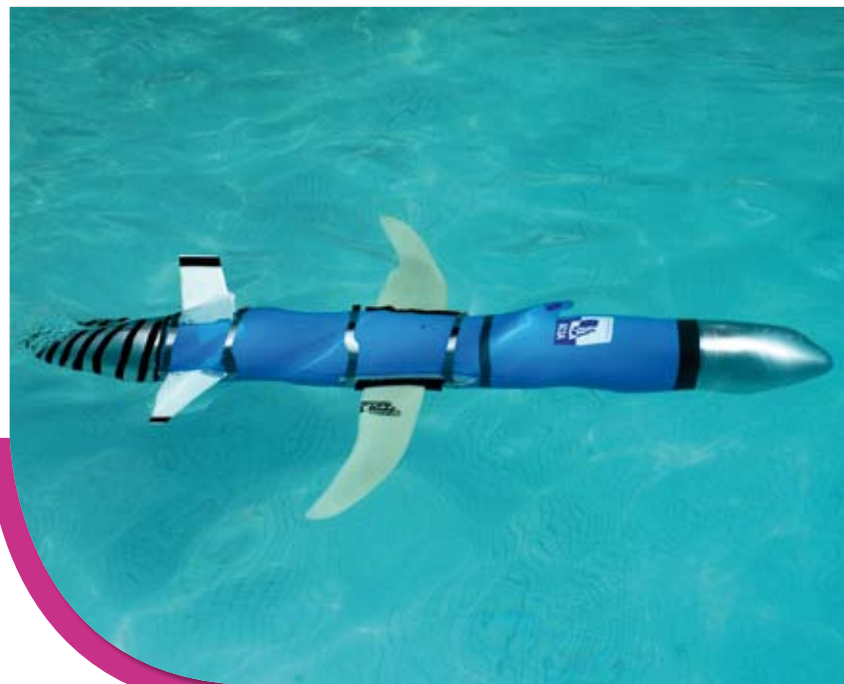
MARITIME SECURITY AND SAFETY

Strategic projects in the PACA region

The Sea Innovation and Business Cluster promotes the development of products and services for the control, prevention and management of threats coming from the sea, becoming one of the key actors in Homeland Security, in France, Europe and for the Mediterranean Basin.

> SEA EXPLORER

The Sea-Explorer project is aimed at developing « gliders », small unmanned engines propelled by gravity and cyclic ballasting. These engines are dedicated to the knowledge of the underwater environment, ensuring in situ the measurement of physical (current, temperature) and biogeochemical (salinity, concentrations of some components, etc...) parameters. One of the possible uses of these « gliders » would be to monitor the impact on micro-organisms of urban wastewater discharge (Marseille metropolitan district) in the marine environment. These engines could also be used for maritime monitoring missions.



Project leader

Acsa Underwater GPS

Industrial partners

Acri IN and Acri ST

Research partners

COM, Ifremer, ISITV and LOV – OOV

Budget

3 839K€ over 40 months
Project financed by the F.U.I. (interdepartmental fund) and PACA local authorities.

► **SECMAR**
Security systems for the protection of goods and persons located in a sensitive maritime area.

The SECMAR project is aimed at providing a concrete solution for the detection of a potential terrorist threat using the sea, on the surface or under water, as a preferred way to attack a sensitive coastal site.

This project coordinates detection means such as Sonar, Radar and Optoelectronics, which are investigated and developed by private companies of the PACA region, within a structure involving equipment and software, which is open, modular and generic.

These detection means are connected to the ground-based Centre in charge of innovative processing of suspicious groupings, as well as detection of abnormal behaviour.

The Port of Marseille Authority (P.A.M) has been selected to be the pilot site for long term testing over 6 months.



Project leader

Thales Underwater Systems

Industrial partners

Acsa Underwater GPS and Eca (phase 1), CS Communications, Degréane Horizon, Navfco, Port of Marseille Authority, Chrisar Software Technologies, Cesigma, Bertin Technologies and Diginext

Research partners

Isen Toulon, Cetmef, and École des Mines of Paris

Budget

14 000 K€ over 4 years.
 Project financed by the F.U.I. (interdepartmental fund) and PACA local authorities.

► **SCANMARIS**
Monitoring and control of activities of ships at sea

The SCANMARIS project is aimed at developing a system to help safeguard maritime borders, using training modules and investigation rules with the goal of detecting any ships with suspicious behaviour.

Project leader

DCNS SIS

Industrial partners

Sofresud and Ecomer

Research partners

ENSMP, Irit, Onéra and Pôle Droits Transports Aix-Marseille (law and transport cluster of Aix-Marseille)

Budget

2 000 K€ over 24 months.
 Project financed by the ANR



In charge of themes

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