



MARINE ENERGY RESOURCES

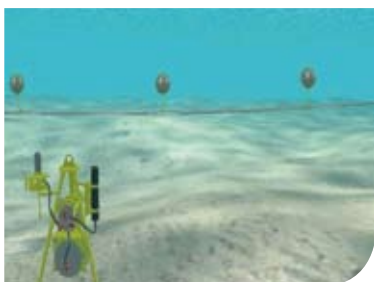
Strategic projects in the PACA region

The aim of the Sea Innovation and Business Cluster competitiveness marine cluster is, within its territory, to concentrate global competence and know-how of offshore engineering for the service of all marine energies.

> PIPEWATCH

Survey system for pipe and underwater structures movements

This project aims at developing an equipment for recording pipe and underwater structures movements related to temperature and pressure cycles on deep water oil installations, in order to evaluate the stress of these structures and to anticipate damage.



Project leader

Subsea Tech

Industrial partners

Chrisar Software Technologies and Comex

Research partner

Ifremer

Budget

697 K€ over 18 months

> **MOHICAN**
Maintains Out of Hydrates In Cold Areas Network.

The aim of this project is to develop a heating system for underwater pipelines used in offshore oil production in order to prevent the formation of hydrate locks and production interruptions.

Project leader

Doris Engineering

Industrial partner

EMC3

Budget

390 K€ over 10 months. Project selected by CEP&M experts, co-financed by Total



> **CHEEPP (phases 1 and 2)**
Calculation tool for hydrodynamic behavior of floating structures in shallow water.

The CHEEPP project is aimed at adapting existing software for the anchorage calculation and the analysis of marine operations in shallow water, as these operations are not mastered to day.

Project leader

Principia

Industrial partners

Océanide, Doris, Technip, Saipem, Total and Acergy

Research partners

École Centrale of Marseille, Ifremer and Actimar

Budget

Phase 1 : 475 K€ over 2 years. Co-financed by the CEPM.
Phase 2 : 626 K€ over 1 year. Co-financed by the sponsors of the Citeph : Total, Technip, Doris and Acergy.



In charge of themes



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