ECO2TRACK

OCEAN CURRENTS CARRYING FUTURE SOLUTIONS

The ECO2track project is aimed at optimising ship routing to reduce energy consumption and thus CO_2 emissions, based on a technology referred to as ‘e-Motion’, by measuring surface currents in real time using an algorithm that analyses the trajectory of ships equipped with AIS (Automatic Identification System).

For the first time, this algorithm makes it possible to envisage the development in the short term of a real-time system for global observation of ocean currents. In practical terms this means that the data supplied by ECO2track can be used to exploit more effectively the strong ocean currents on shipping routes used by commercial vessels.

In addition to this application, e-Odyn intends to expand the market for ‘e-Motion’ towards exports and numerous other fields: sea search and rescue, anti-pollution, offshore installation surveillance, pre-studies for wave and wind turbines, etc.

The ECO2track project and the increased number of AIS satellites in orbit mark out e-Odyn as part of a dynamic for closer maritime/space collaboration aimed at exploiting a breakthrough innovation to respond to economic, environmental and societal issues.

Partners

Companies

e-Odyn, Brest [Project Developer]
Airbus Defence & Space, Toulouse
CMA CGM, Marseille

Research center

LEGOS, Toulouse

Funder

- Bpifrance (PIAVE spatial)

Labelisation

21/10/2016

Overall budget

242 K€