PROJECT

General Purpose DP

A Compact Dynamic Positioning System of General Purpose for Marine Units, Crafts and Ships

Funding: European (Horizon 2020)

Duration: Jul 2014 - Dec 2014

Status: Complete

Total project cost: €71,429

EU contribution: €50,000

Call for proposal: H2020-SMEINST-1-2014

CORDIS RCN : 194661

Objectives:

Operation of floating units in the sea often requires the units to maintain position, as for instance in the rescue after a ship wreck or when assisting a wind farm. Due to the stochastic behaviour of the sea, Dynamic Positioning (DP) Systems accurately automate this task reducing the risk of human error. However, current DP1 systems in the market evolve from those used in the oil and gas industry, which are highly redundant and expensive.

Seaplace has designed seaDP-1C, a DP1 System with the operator station and the real time controller in a single CRIO 908X unit. This compact system is cheap, robust, requires little space, and provides great flexibility due to its modularity. The DP will come with a smart green autopilot, which, by filtering waves, corrects accurately the drift course, reducing consumption by 1 to 3%. With seaDP-1C we will generalise the use of smart control and manoeuvring, offering an affordable product and reaching the niche market of the most technological units.

Parent Programmes:

H2020-EU.3.4. - Horizon 2020: Smart, Green and Integrated Transport

Institute type: Public institution

Institute name: European Commission

Funding type: Public (EU)

Lead Organisation:

Seaplace Sl

Address:
BOLIVIA 5
28016 MADRID
Spain

EU Contribution: €50,000

Technologies:

Satellite navigation
Dynamic Positioning system for floating units

Development phase: Implementation

STRIA Roadmaps: Cooperative, connected and automated transport

Transport mode: Water transport (sea & inland)

Transport sectors: Passenger transport, Freight transport

Transport policies: Safety/Security

Geo-spatial type: Other