

PROJECT

SeagateSail

20% fuel saving for commercial vessels through a hybrid wind plus motor cruise mode

Funding: European (Horizon 2020)

Duration: Oct 2014 - Apr 2015

Status: Complete

Total project cost: €71,429

EU contribution: €50,000



Call for proposal: H2020-SMEINST-1-2014

[CORDIS RCN : 194649](#)

Objectives:

Seagate is developing an innovative collapsible-automatic-retrofittable delta wing sail that can be applied to commercial vessels. Seagate Sail and cruise control aims to provide an adoptable and beneficial solution for commercial ship owners to reduce their fuel bills and cut emissions by 20%. The system is able to offer a solution to both problems whilst at the same time being suited to the needs of commercial ships, which makes the solution unique and highly desirable. The Seagate Sail, installed on the vessel's deck, will convert wind into driving force. The Seagate Cruise Control will convert the driving force into fuel saving, by proportionally reducing the engine power. With the Seagate solution, the vessel will cruise at the original speed (and therefore keep to the Estimated Time of Arrival) using 20% less fuel.

The solution is at a mature stage of development and therefore the feasibility assessment will focus on the development of the industrial chain to set-up and validate the scale-up production of Seagate Sail, a sound IP management strategy, solid financial projections and the sale agreements for the commercialisation. The sails will be developed in Europe involving different industrial partners, managed by a British and Italian team. Once commercialised, Seagate will maintain its headquarters and manufacturing activities in Europe offering new job opportunities across the continent. Seagate aims to set a commercial partnership with a top European engine supplier to speed up the commercial growth of its products in Europe and Worldwide.

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:

Seagate Srl

Address:

Via Morimondo 26

20143 Milano

Italy

EU Contribution: €50,000

Partner Organisations:

Smar Azure Ltd

Address:

14-18 HILL STREET
EDINBURGH
EH2 3JP
United Kingdom

EU Contribution: €0

Technologies:

Energy efficiency
Wind assisted
propulsion

Development phase: Research/Invention

STRIA Roadmaps: Low-emission alternative energy for transport

Water transport (sea &

Transport mode: inland)

Transport sectors: Passenger transport, Freight transport

Geo-spatial type: Other