

PROJECT

GEO

Green Efficient Outboards

Funding: European (Horizon 2020)

Duration: Sep 2015 - Feb 2016

Status: Complete

Total project cost: €71,429

EU contribution: €50,000



Call for proposal: H2020-SMEINST-1-2015

[CORDIS RCN : 198543](#)

Objectives:

Cimco Marine AB aims to pursue a major business opportunity by commercializing an innovative diesel outboard series, named "OXE" with superior USPs and high ROI. The product is based on an efficient automotive motor in combination with a revolutionary patented "Belt Propulsor Unit", curbing the diesel motor's torque (not possible before).

The main advantages of OXE are:

- 30-45% fuel savings (cheaper operation, less emission and increased range)
- reliability (less break-downs)
- durability (20 times longer life-expectancy).

With no similar products on the market the primary goal for OXE is to replace current fuel consuming, high emission gasoline outboards (150-400 HP) in the governmental, commercial and recreational craft marine market world-wide. 120 000 outboard units are sold annually (€ 1,5 billion). Cimco's goal is to supply 10% of the commercial market by 2020. A moderate estimation due to the expected demand and benefits.

The project is a perfect match to IT-2014/15 as it addresses challenges such as improving transportation, mobility and the environment in parallel with accelerating growth, leadership and creating new jobs in Europe. The overall objective of the GEO (Green Efficient Outboard) project is to overcome pre-commercial barriers in order to launch OXE in 2017.

The objectives in this feasibility study will include e.g. improved business plan, IP strategy, distributor and production partner evaluation, technology risk reduction and a project plan to complete and demonstrate OXE (in phase 2). Cimco will execute the project in cooperation with their active owners (having vast expertise in expanding SMEs and Marine transport) and chosen 3rd parties well suited to support this project in a successful way.

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:

Cimco Marine Ab

Address:

METALLGATAN 19 A
26272 ANGELHOLM
Sweden

EU Contribution: €50,000

Technologies:

Fuel flexible engines
Turbodiesel outboard engine for maritime usage

Development phase: Demonstration/prototyping/Pilot Production

STRIA Roadmaps: Vehicle design and manufacturing
Water transport (sea &

Transport mode: inland)

Transport sectors: Passenger transport

Transport policies: Decarbonisation

Geo-spatial type: Other