

PROJECT

ProZero (2)

ProZero - carbon based fast boats for professional use (2)

Funding: European (Horizon 2020)

Duration: Apr 2016 - Mar 2018

Status: Complete

Total project cost: €2,574,554

EU contribution: €1,802,188



Call for proposal: H2020-SMEINST-2-2015

[CORDIS RCN : 203196](#)

Objectives:

Tuco Yacht Værft ApS (TUCO) aims to pursue a major market opportunity by developing and commercializing carbon fibre fast boats for professional use based on a flexible and simple production platform.

Carbon excels compared to other materials, especially due to the highest strength/weight relationship, which among others, results in: savings on fuel, significant reduction of greenhouse gas emissions, larger operational range or faster boats.

Although carbon has been successfully deployed in other vessel types, such as fast ferries, recreation and high-end racing yachts, the usage of carbon remains unproved in the market of fast boats for professional use. The commercial shipping industry is very conservative and it is thus necessary to demonstrate the benefits of carbon fibre in the targeted market before large-scale commercialization.

With ProZero project, TUCO will overcome prevailing market and entry barriers by partnering with key stakeholders and building solid reference cases. In addition, we will offer a full product range - the ProZero boat series - that can be built to order on a simple platform (using same tools) reducing the required initial investments of the whole series. The accomplishment of the project objectives will represent a significant business opportunity for TUCO, with an expected turnover of 23 Mio EUR, 5 years after commercialization.

The SME instrument funding plays an important strategic role in the future business development of TUCO. After assessing the feasibility of ProZero in the SME phase 1 project, we intend to pursue our strategic vision of introducing a new line of fast boats for professional use to the market.

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:

Tuco Yacht Værft Aps

Address:

KROGSBJERGVEJ 2
5600 FAABORG
Denmark

EU Contribution: €1,802,188

Technologies:

Ship design and manufacturing
Design and develop moulds and tools for carbon fibre
boats

Development phase: Validation

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

Transport mode: inland)

Transport sectors: Passenger transport

Geo-spatial type: Other