

PROJECT

COMPA 2GO

COMPA 2GO Composite Repairs for Ships - Service Demonstration, Certification and Market Entry

Funding: European (Horizon 2020)

Duration: Mar 2018 - Feb 2020

Status: Complete

Total project cost: €874,425

EU contribution: €612,000



Call for proposal: H2020-SMEINST-2-2016-2017

[CORDIS RCN : 213851](#)

Objectives:

The objective of the overall innovation project COMPA 2GO is to commercialise the service of COMPA repair for damaged or corroded ship pipes and structures. Using carbon fibre reinforced plastic mixed with epoxy resin, COMPA repair offers a cost and time effective alternative to the traditional methods of repair by welding. COMPA minimizes vessel downtime and increases vessel safety by providing a fast and durable repair and eliminating the use of flame. It is applicable to geometrically complex structures and locations difficult to reach. The total market for repair implementation makes up about 90.000 vessels world-wide, operated by about 3.000 companies, while the potential market for future service licensing make over 15.000 companies in EU only.

As a follow up on the completed SME Instrument Phase 1 project, the specific Phase 2 project objectives are:

1. to complete the development of COMPA repair service in terms of the design and the procedure by successfully completing specimen tests and on-board vessel demonstrations.
2. to demonstrate the quality of the solution and gain quality approval of COMPA application standard from relevant maritime certification organisations.
3. to develop promotion and sales plan and to establish a network of repair application partners for licensing the technology while ensuring IPR protection and quality management.

The project is performed by the company as2con - alveus, an expert in design, engineering and application of carbon fibre based technology in the maritime industry.

as2con - alveus aims to become a leader in composite and carbon fibre solutions in the maritime industry. Opportunities for further developments of carbon fibre solutions for maritime industry business are manifold resulting in benefits for the applicant as well as for Europe.

Parent Programmes:

[H2020-EU.2.1. - Horizon 2020: INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies](#)

[H2020-EU.2.3. - Horizon 2020: INDUSTRIAL LEADERSHIP - Innovation In SMEs](#)

Institute type: Public institution

Funding type: Public (EU)

Other programmes: SMEInst-10-2016-2017 Small business innovation research for Transport and Smart Cities Mobility

Lead Organisation:

Alveus Doo Za Savjetovanje I Inzenjering

Address:

Kvaternikova 62B
51000 Rijeka
Croatia

EU Contribution: €612,000

Technologies:

Ship design and manufacturing
Composite patch (COMPA) repair for damaged ship
pipes

Development phase: Implementation

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

Transport mode: inland)

Transport sectors: Passenger transport, Freight transport

Transport policies: Safety/Security

Geo-spatial type: Other