

FIBRESHIP

Engineering, production and life-cycle management for the complete construction of large-length FIBRE-based SHIPs

723360



Programme:

H2020 Transport

Topic:

MG-2.2-2016

Call for proposals:

H2020-MG-2016-Two-Stages

Duration:

01/06/2017 to 31/05/2020

Funding scheme:

IA

Total cost:

€11,041,213

EU contribution:

€8,866,323

Coordinator:

TECNICAS Y SERVICIOS DE INGENIERÍA, S.L.

Project website:

<http://www.fibreship.eu/>

Project description on CORDIS:

http://cordis.europa.eu/project/rcn/210787_en.html

The main objective of the FIBRESHIP project is to develop a new EU-based market for complete large-length ships in Fibre-Reinforced Polymers (FRP). The comprehensive adoption and use of FRP materials are expected to result in:

- significant reduction of structural weight (30%)
- corresponding impact on fuel savings (15%)
- increased ship stability
- positive environmental impact through reduced greenhouse gas emissions and underwater noise as well as increased capacity and recycling rate (75%)

FIBRESHIP will develop a catalogue of applicable materials and joining techniques recommended by classification societies. These will particularly benefit long-term structural strength and fire resistance. To facilitate the far-reaching adoption of FRP innovative design procedures and guidelines, supported by validated software analysis tools, will be developed during the course of the project.

FIBRESHIP will focus on three representative vessel categories: container vessel, ferry and fishing research vessel, where it will implement standardised efficient production methodologies and deliver a proof of concept through a large-scale demonstrator. The FIBRESHIP project advances a revolutionary FRP-based concept in shipbuilding that promises enormous benefits for industry, owners, and the environment.

Participants:	Country:	EU contribution (in €):
TSI	ES	€866,687.50
COMPASSIS	ES	€721,087.50
CIMNE	ES	€971,150.00
LR IMEA	UK	€170,590.00
BV	FR	€275,625.00
RINA	IT	€237,125.00
DANAOS	CY	€337,750.00
ANEK LINES	EL	€162,137.50
FOINIKAS	EL	€157,412.50
IEO	ES	€111,375.00
TUCO	DK	€437,220.00
NAVSHIP	RO	€210,000.00
SOERMAR	ES	€382,562.50
TWI LIMITED	UK	€811,048.75
VTT Oy	FI	€792,642.50
IXBLUE	FR	€1,293,687.50
ATEKNEA	ES	€205,420.25
ULIM	IE	€722,801.25