

Partnering Opportunity

Profile Status: Published

Research & Development Request

H2020 LC-MG-1-13-2020: Decarbonising long distance shipping

Summary

A UK company and clean ocean foundation have formed a consortium to apply for the H2020 call aimed at decarbonising long distance shipping, by designing, building and fielding a new solar and wind powered craft. They are seeking a wide array of partners including ship builders and experts in solar panels, wind turbines and navigation systems, and ship builders as end users (ferries, cargo, tankers or cruise) to join the consortium via research cooperation agreement.

Creation Date	16 August 2019
Last Update	27 August 2019
Expiration Date	01 December 2019
Reference	RDUK20190816001
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/fa1c3b54-8ff2-486e-aad1-f530d9093f31

Details

Description

The long awaited move to reduce Green House Gas (GHG) emissions from shipping presents innovators with a challenging task. Current solutions include the use of energy efficiency measures and alternative fuels applied to old hulls. But these solutions are not enough to achieve UN target reductions due to their limited potential. Current reduction measures for NOx and SOx emissions are often achieved with solutions that increase GHG emissions.

An international team led by a UK based company and a clean ocean foundation has been formed to apply for , are looking for the H2020 call Decarbonising long distance shipping (LC-MG-1-13-2020), in order to design, build, and field a faster solar and wind powered craft based on the Elizabeth Swann concept.

They are seeking a wide range of collaborators to complete their consortium, including experts in:

1. Solar panel design and energy management
2. Propellers and motors
3. Construction in marine alloys (welded ship or yacht builders).
4. Wind turbines
5. Stressing of the hull
6. Tank testing
7. Satellites for comms and navigation excellence
8. Navigation instruments with a leaning toward collision avoidance
9. Low drag paints

They are also seeking ship builders as end users to test the vessel, for example ferries, cargo, tankers or cruise ships, to join the bid via research cooperation agreement.

The deadline for the first stage of the call is 9 January 2020.

The deadline for expressions of interest in this call is 1 December 2019.

Keywords

Technology

02002015	Surface treatment (painting, galvano, polishing, CVD, ..)
02009005	Shipbuilding
02009006	Traction/Propulsion Systems
02009008	Navigation and embedded systems
10002004	Climate Change mitigation

Market

06003001	Solar/thermal energy
06003003	Wind energy
08002001	Energy management
08002002	Industrial measurement and sensing equipment
08003006	Power transmission equipment (including generators & motors)

NACE

C.30.1.1	Building of ships and floating structures
C.30.1.2	Building of pleasure and sporting boats

H.50.1.0	Sea and coastal passenger water transport
H.50.2.0	Sea and coastal freight water transport
M.74.1.0	Specialised design activities

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

Contact Person

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Open for EOI : **Yes**

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English

Client Country

United Kingdom

Partner Sought

Type and Role of Partner Sought

Type: Industry

Activity: Ship building/Navigation systems/solar power/wind turbines

Specific role of partners sought: Contribute towards the design, construction and testing of a new solar powered vessel, aimed at decarbonising long distance shipping

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy

Call title and identifier

Decarbonising Long Distance Shipping ID: LC-MG-1-13-2020

Submission and evaluation scheme

Two-stage

Coordinator Required

No

Deadline for EOI

01 Dec 2019

Deadline of the Call

01 Jan 2020

Weblink to the Call

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/lc-mg-1-13-2020>

Project Title and Acronym

Climate Change Challenger