

Partnering Opportunity

Profile Status: Published

Research & Development Request

LC-NMBP-31-2020: Spanish research institute seeks end-user partners and experts in the field of offshore wind energy generators and tidal power generators with specific needs in materials.

Summary

A Spanish technological centre is preparing a project proposal for NMBP-31-2020 related with the development and improvement of materials for offshore wind energy generation and tidal power generation including advances in materials and functional coatings aiming to reduce capital, running and maintenance costs. The sought partners should be companies operating offshore platforms or companies involved in the construction and production of materials for offshore wind and tidal energy generation.

Creation Date	30 August 2019
Last Update	13 September 2019
Expiration Date	31 October 2019
Reference	RDES20190830001
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/7aec9a4b-6210-4602-b8b3-4f9accd021b5

Details

Description

A Spanish company, a non-profit private centre, has a large trajectory in international cooperation. The centre has coordinated 19 out of the 35 European projects in which they have been involved from FP6 to Horizon 2020 including LIFE and ECO-Innovation programs. The main RTD fields where the company develops its activities are nanotechnology, new materials and advanced-environment technologies.

One of the core businesses of the centre is the production of functional nanobased coatings working with industrial companies providing solutions for corrosion protection, high temperature

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protection, antifouling, antistick, superhydrophobic properties for anti-ice and/or self-cleaning surfaces for different substrates. In this way, based on the knowledge and available technology in the centre, as well as the commercial and business-oriented activities of the company, the centre is preparing a project proposal to the call LC-NMBP-31-2020. The project aims to solve materials problems in offshore wind and tidal power generation based on specific needs of the industry. In addition, to functional coatings, the project is also open to the improvement of substrate materials including polymer composites and metallic components/alloys. The project will address both improvements of materials for the generators and for structural components (floating or bottom fixed structures). The project will be focused in improvements that directly represent a considerable decrease in costs (capital expenses, running costs and maintenance) and the improvements on manufacturing processes is also an aspect to consider.

The technological centre is looking for partners providing the following expertise:

- Profile 1: Companies working on offshore operations, including offshore platforms construction/operation/maintenance with specific needs in terms of materials.
- Profile 2: Companies working in production of components and materials for offshore wind and/or tidal power generation with specific requirements.
- Profile 3: Experts in offshore wind and/or tidal energy generation.

Official deadline for the call: 12/12/2019

Deadline for expressions of interest: 31/10/2019

Anticipated duration of the project: 3 years and 6 months

Stage of Development

Concept stage

Keywords

Technology

02002002	Coatings
02007005	Composite materials
04005008	Wind energy

Market

06003003	Wind energy
06003004	Marine energy
08001007	Coatings and adhesives manufactures
08001018	Polymer (plastics) materials

NACE

M.72.1.9	Other research and experimental development on natural sciences and engineering
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Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

Contact Person

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Open for EOI : **Yes**

Dissemination

Relevant Sector Groups

Intelligent Energy

Client

Type and Size of Organisation Behind the Profile

R&D Institution

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English
Spanish

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

Type of partner sought:

- Industries and organizations operating in offshore and renewables.

Specific area of activity of the partner:

- Offshore wind energy and tidal power generation.

Task to be performed:

- Define specific needs in materials improvements.
- Provide an offshore platform for test cases.
- Production of prototypes for testing.
- Definitions of costs targets and development of economic calculations.

EU / International project experience:

- Desired but not compulsory.

Type and Size of Partner Sought

University, R&D Institution, >500 MNE, 251-500, SME 51-250, >500

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

Nanotechnologies, Advanced materials, Advanced manufacturing and processing, Biotechnology

Call title and identifier

LC-NMBP-31-2020: materials for offshore energy (IA)

Coordinator Required

No

Deadline for EOI

31 Oct 2019

Deadline of the Call

12 Dec 2019

Project Duration

182 week(s)

Weblink to the Call

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/lc-nmbp-31-2020>

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