

solute

Weather forecasting services for the deployment, operation,
and decommissioning of offshore wind farms

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About us

solute

Multidisciplinary
engineering consultancy

R&D is SOLUTE's
backbone

+120
employees in 4
offices

+15
years of
experience

12
areas of
knowledge

- **Multidisciplinary:** work in more than 6 industries and 12 areas of knowledge
- **International:** projects and collaborations on a global scale



furow



Cofinanciado por
la Unión Europea

JUNTA DE EXTREMADURA

Consejería de Educación, Ciencia y Formación Profesional

- **Weather and energy forecasting**
- **Potential calls:** *HORIZON-CL5-2024-D3-02-08: Minimisation of environmental, and optimisation of socio-economic impacts in the deployment, operation and decommissioning of offshore wind farms.*
- **Activities:** weather forecasting services to provide assistance in the decision-making process of the actions required for the deployment, operation and decommissioning of offshore wind farms.
- **Impact:** economic impact (optimize scheduling of the activities required based on weather conditions) and environmental (efficient use of resources).

Partners sought

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Based on our experience, it would be beneficial to have a consortium integrated by all type of relevant stakeholders in the energy and environmental sector to address the outcomes of this call. Some of the partners sought (but not limited to) are:

- **Research institutions or public bodies** with experience in addressing economic, social and environmental aspects to address the expected outcomes a) and b) of the call.
- **R&D centers** with experience on the energy and environmental sectors to develop and integrative innovative and cost-effective solutions to be used for all phases of the life cycle of offshore wind farms to address the expected outcome d) of the call.

- **Manufacturers/developers** to design and validate the solutions in a relevant environment to reach the required TRL level of the call.
- **Software development companies** to design the tool to be used for the deployment and commissioning of offshore wind farms.

Previous experience

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EU-funded projects:

- SWIP (Project ID 608554, Programme FP7) in 2013.
- WINDUR (Project ID 605067, Programme FP7) in 2013.
- SUPRAPOWER (Project ID 308793, Programme FP7) in 2012.
- WindTwin (HORIZON-CL5-2023-D3-02-14: Digital twin for forecasting of power production to wind energy demand) in 2023-24.

Other public-funded projects:

- Project ZEROeVTOL promoted by PTA (Plan Tecnológico Aeronáutico) in 2022.
- Project EOLIAN promoted by RETOS in 2019.
- Project AQUILON promoted by public-private collaboration partnerships in 2021.
- Project ETSWIND promoted by CDTI (Centre for the Development of Industrial Technology) in 2012.
- Project OWCL promoted by CDTI (Centre for the Development of Industrial Technology) in 2015 Solumet (2020) and Aphelion (2022).
- Project SOLUMET promoted by CDTI (Centre for the Development of Industrial Technology) in 2020.
- Project APHELION promoted by CDTI (Centre for the Development of Industrial Technology) in 2022.
- NOWCAST project promoted by INVESTIGO Program in 2022.

Thanks for your attention

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