



NEWSLETTER

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MooringSense successfully advances the development of technologies to improve predictive maintenance of mooring systems



The European MooringSense project, which aims to reduce the costs associated with floating offshore wind energy production by 10-15%, is successfully advancing in developing technologies that will enable designing an efficient strategy for managing the structural integrity of mooring systems.

The digital twin is now in full implementation, and numerical structural models have already been developed to provide real-time knowledge of the mooring systems' loads and stresses. The position and movement algorithms for the smart sensor, which will use GNSS technology to monitor the movement of the floating platforms, have also been developed, and the consortium already has a preliminary model of the monitoring system and advanced control strategies for monitoring the structural health of the wind turbines.

The progress achieved to date was presented in the Interim Review Meeting by the representatives of the consortium of this research led by the CTC Technology Centre.

[Read more](#)

MOORINGSense REACHES ITS HALFWAY POINT



Eighteen months since the start of the project, MooringSense has successfully reached its halfway point. In view of the progress, the consortium held a second meeting with the Advisory Board, whose primary mission is to advise MooringSense's partners to ensure the future exploitation of the project's results. Read more [HERE](#).

MOORINGSense AROUSES INTEREST AT OMAE CONGRESS



MooringSense project has attracted particular interest during the 40th edition of the International Conference on Ocean, Offshore & Arctic Engineering (OMAe). The consortium had the opportunity to present the project to an international audience and highlight the mission of the research.

Read more [HERE](#).

Informative videos about the project's progress



The consortium members have shared the project's progress through MooringSense's social media channels. In a one-minute audiovisual format, each partner summarized the development of the work package they are leading and the following steps to achieve the objectives.

MooringSense Objectives



MooringSense aims at reducing floating offshore wind operational costs by 10-15% and increasing operational efficiency by means of an Annual Energy Production increase by 2-3%. These objectives will be obtained through the development of more efficient strategies and tools for mooring system integrity management.

[CLICK HERE](#) to get more information about the objectives set.



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