

SCALEWIND JIP

Publieke samenvatting / Public summary

Aanleiding

The coupling between the aerodynamic loading on the wind turbine, its blade pitch controller actions, the flexible tower and blades, the floater hydrodynamics, and the mooring system, demands an integrated approach to the design evaluation. For validation, an extensive model test will be carried out, focusing on aspects critical to the fatigue load and/or where numerical models show large uncertainty.

Doelstelling

The goal of the SCALEWIND JIP is to establish validated procedures, models and datasets for the combined numerical and experimental modelling of the fatigue load for critical components of a Floating Offshore Wind Turbine at the 15+ MW scale. Sensitivities and relative importance of the physics when considering much larger systems can change, and we need to ensure we can evaluate our ability to accurately model and design these larger systems.

Projectinformatie / Project information

Projectnummer / Project number

TKITOE_WOZ_2510_Scalewind

Subsidiebedrag / Grant amount

€ 600.118,00

Algemene informatie / General information

Penvoerder / Secretariat

MARIN

Volg Topsector Energie op X / Follow Topsector Energie on X

@TSEnergie

De data in deze applicatie is afkomstig van de Rijksdienst voor Ondernemend Nederland (RVO) en wordt in samenwerking met de Topsector Energie ontsloten.

Voor meer informatie over de Topsector Energie, ga naar www.topsectorenergie.nl.

Voor meer informatie over de TSE / Energie-Innovatie regelingen die RVO aanbiedt, ga naar www.rvo.nl/tse.