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DOCC-OFF project closing workshop

“Digital twin technology applied to offshore wind turbines”

When: 14/10/2021 [9h-13h]

Where: Brussels (Belgium)

Setting the scene:

As part of the EU DOCC-OFF project, project partner Sirris/OWI-Lab will organize a closing workshop focussing on the development and use of digital twin technology in the offshore wind energy sector. The DOCC-OFF project aims to demonstrate the impact of new advanced sensing and remote monitoring technologies for critical subsystems in offshore wind turbines. As part of the shared R&D project a remote monitoring approach has been developed by partners Hine and XABET for an hydraulic pitch system of a wind turbine. During this workshop the DOCC-OFF project partners will share the development approach which consist of a digital twin of the hydraulic system and give insights in the results of the laboratory validation tests. Also a demonstration of the platform developed within the project will be showcased during the workshop.



Figure: DOCC-OFF project approach

Along with other (industrial) guest speakers active in the offshore wind sector, or active in the development of digital twin technologies for asset management the latest insights and trends will be shared during this workshop.

PROGRAM

- Welcome and setting the scene presentation – digital twin developments in (offshore) wind (Pieter Jan Jordaens – Sirris/OWI-Lab)
- Introduction DOCC-OFF project – Jose Ignacio Hormaeche (General Director – Basque Energy Cluster)
- Project results DOCC-OFF
 - Hydraulic pitch systems for offshore wind and FMECA (Hine)
 - Development & demonstration of platform (Xabet)
 - Validation testing (Sirris/OWI-Lab)
- Coffee break
- ‘Digital Twin’ development in EU ROME0 project – Ramboll (in request not for publication)
- ORE Catapult digital twin Levenmouth Demonstration Turbine (Ampea Boateng Senior Research Engineer, Intelligence Condition Monitoring – ORE Catapult)
- Industry speaker Digital Twin (Siemens Industries)
- Networking drink



**Contact point
and registration:**

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