Methodology for floating offshore wind turbine Major Component Replacement (MCR) - Webinar

FLoating Offshore Wind Operations and Maintenance (FLOWTOM) project

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PARTNERSHIP:

With the financial support of:

5. Conclusion & wrap up

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Take away messages

- FLOWTOM project worked at validating **engineering and R&D simulation tools for the assessement of MCR solutions operability** via basin test and models wide benchmark

- The simulations tools were tested against a case study of a **simplified self erecting/turbine mounted MCR solution**

- The case study revealed a **robust methodology** :
  - **for assessing operability of heavy lifting operation** and proposed leverages of improvement toward an industrial solution
  - **and way forward for assessing the operability of contact operations**

Way forward in 2025+

- Toward the validation of simulation tools for more complex floating to floating operations : 2nd order motions to be considered for SOV W2W transfer operation for example
- Toward the assessment of detailed MCR operations
- Toward in-depth analysis of specific critical phases "package take-off or landing"
- Toward the better understanding of vessel/pendulum coupling effect

Stay Tuned!