Clarification Question Responses

Onsite Major Component Replacmenrt Assessment (OMCR)

March 2024

#	Type	Question	Response
1	Generic	Bidders shall provide Work Package descriptions in the format set out in Annex 2 to this document. We cannot find Annex 2 as part of the tender documentation.	This is an error in the ITT and the format of the tender should align to the layout requirements detailed in section 3.2.
2	Project specific	Could you confirm whether only the reports from the TTP, HLM and SHC studies will be shared? We would be interested in receiving Orcaflex model from SHC to be reused in WP3	It would only be the high-level outcomes being shared as opposed to entire previous project reports. Relevant components of the entire reports which are deemed relevant could also be shared. In terms of the Orcaflex model used in the SHC project we could explore providing the model or some aspects from this.
3	Project specific	Standards, regulations and law can vary per country. Is it possible to agree in WP1 a limited set of markets where the regulation screening will be focused on?	This can be discussed with the Floating Wind JIP partners however preference would be for this to remain country agnostic where possible.
4	Project specific	May the bidder use internal software developed to estimate weather downtime as an alternative to Mermaid and/or Shoreline? May the bidder use opensource hindcast data (i.e. ERA5 from Copernicus)	Bidder can propose other forms of software to undertake weather downtime analysis however it needs to be made clear in approach to work. Through the Floating Wind reference turbine designs there would be access to data set for three different conditions begin, moderate and harsh however although these do contain limited hindcast data. As such any other data set selected would ideally have similarities to the condition parameters set out in the reference designs which would be shared with the appointed contractor.

5	Project specific	It is unclear if the wave test specification should be provided for any SHC in the market, or for the 2-3 concepts shortlisted in WP1 only.	The test specification should be developed based upon 2-3 concepts shortlisted following completion of WP1.
6	Project specific	Could you specify the type of MCR concepts that are short listed in the previous JIP?	Self-hoisting and turbine-mounted cranes that have been analysed as part of the SHC project had different methods of interfacing with the floating wind turbine structure either at the base of the wind turbine tower or on the floater
7	Project specific	Is it correctly understood that only Self Hoisting Cranes has been a previous focus of the JIP projects and no platform-based cranes, tower-based cranes and add on cranes have ever been analyzed in previous JIP projects?	See response to question 6.
8	Project specific	Could you specify what kind of detail you would like to have the OMCR concept modelled in WP 3 numerical analysis? is this at a concept level such that the different OMCR concepts can be analysed on a number of technical KPI's for like to like comparison (e.g. motion, acceleration, forces). Or do you require here very detailed numerical simulations, e.g. control system, hiring, detailed components etc...?	Purpose of WP3 is to provide insight to the specific shortlisted concepts selected by the Floating Wind JIP partners. The different scenarios for each of the concepts will be chosen by the Floating Wind JIP partners however it is for the contractor to outline how this analysis would be undertaken. Given that this would be for only a selected number (2-3) concepts the aim would be obtain the best possible understanding of their potential based upon the outcomes of the numerical modelling.
9	Project specific	In WP3 modelling requirements, what you mean by "hydrodynamic interface" between the vessel and floater? e.g. relative motion? contact forces? general dynamic behaviour analysis of the two hulls? Could you please elaborate?	This relates to any form of hydrodynamic motion which would need to be considered between the floater and vessel in relation to each of the different SHC concepts and the impact this could have upon the transfer/installation.

| 10 | Project specific | In relation to the WP3, it is mentioned that softwares like Shoreline or Mermaid are to be used to assess the entire in-situ MCR process in order to detail the associated downtime impacts. Is this a strict requirement in terms of software or we can propose the use of in-house softwares/tools ? | This is not a strict requirement by the contractor and so would be open to alternative software being proposed within the proposal. |