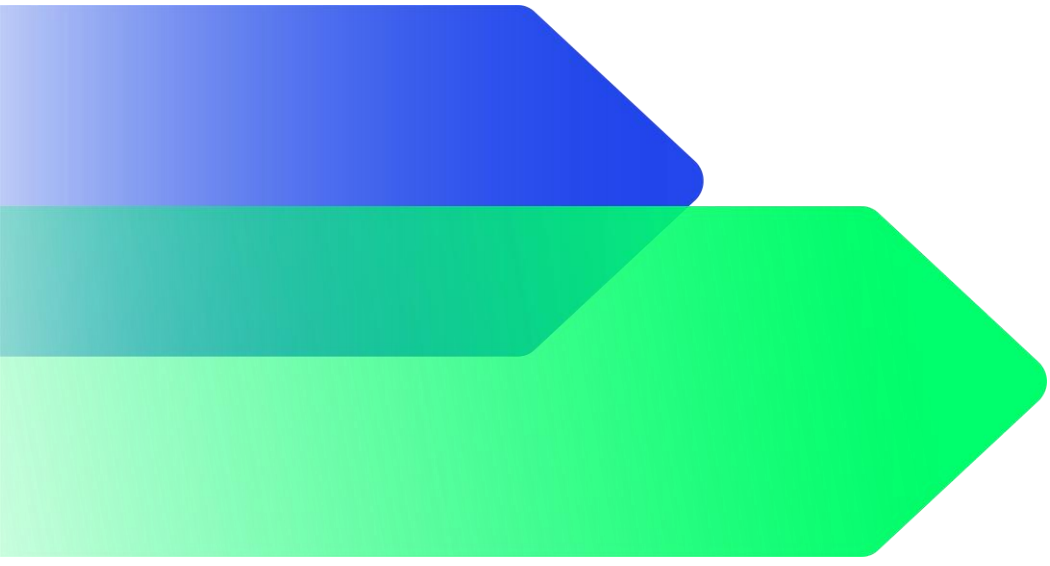
INTEGRATOR PHASE III

Clarification Question Responses

Hybrid generation load site control and grid code compliance (HyLoGen Comply)

8 March 2024



#	Type	Question	Response
1	Modelling	Regarding deliverable D03 electrical model, do you wish to restrict to a specific modelling tool? Or any particular interchange format?	We recommend that the contractor suggest a modelling tool that aligns with the project's requirements. The tool should be an industry standard should be specified in the proposal. The Integrator Partners will feedback on the suggested models. Models with greater detail will be scored more favourably.
2	System architecture	Regarding the definition of asset configurations and system architectures, do OWA partners wish to provide their own preferred architectures, and/or to approve the cases before modelling commences?	It is advisable to follow a collaborative approach. The contractor should propose initial asset configurations and system architectures based on their expertise and understanding of the project requirements. These suggestions can serve as a starting point for further discussions. Ultimately, the agreed-upon asset configurations and system architectures should be approved by the Integrator Partners.
3	Experience requirements	Can you please expand or clarify the experience expected for "designing power park control systems". The term Power Park Module as used in G99/grid code for the collection of assets, whilst the similar term power plant controller is often used to define the physical control asset. Are you seeking bidders to have experience on the design of PP modules themselves, or just the setup and configuration of a commercially procured module from a manufacturer?	We would expect the contractor to have experience in designing strategies for power park control rather than necessarily having experience in designing the controller module itself. As such, we would expect bidders to evidence a holistic understanding of power park control systems, from conceptualisation to practical deployment. Bidders should communicate their strengths and approach to meet these expectations. If a bidder specializes in one of the aspects you mention (e.g., configuration of commercially procured modules), they should clearly state their expertise.
4	Modelling	Does the modelling concern a specific or generic windfarm?	The contractor should propose the extent of the windfarm model they think is necessary to achieve the stated objectives. There is no specific case study envisioned for this work. Instead, the model should be representative of a typical hybrid site deployed in the UK or Germany.

5	Scope of Work	Is the windfarm AC or HVDC connected?	Tender responses would ideally cover both AC and DC connected windfarms. However, the bidder has to consider the budget and time requirement. The bidder could prioritise one current type and consider what might need to be changed for the other. The bidder should show creativity in how this might be approached.
6	Modelling	Is RMS (DigSilent Powerfactory) modelling sufficient or EMT (PSCAD) modelling preferred?	Either of these models would be acceptable. However, we would expect the contractor to specify how they would integrate electrolysers to the proposed model.
7	Contractual	Is the legal frame work in regards to IP negotiable?	Any proposed changes to the contractors' conditions should be stated in the Tender Certificate to be submitted alongside the proposal. Notably, significant proposed changes or a significant number of proposed changes may unfavourably affect the bid.

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