

OFFSHORE WIND ACCELERATOR (OWA) Sub-sea Inspection Competition

Application Form



In partnership with



Drafted By:



APPENDIX 2.

Executive Summary (maximum 1 page)

Concept name	Enter as text
Company / organisation name	Enter as text
Challenge being addressed	Delete as appropriate (organisations can enter multiple challenges but each requires an individual entry form) • Challenge 1: Sub-sea inspection of monopile circumferential welds • Challenge 2: Sub-sea inspection of jacket foundation complex node welds. • Challenge 3: Sub-sea inspection of grouting between monopiles and transition pieces. • Challenge 4: Sub-sea inspection of grouting between jacket foundation and piles
Summary of concept design	Enter concept design details in this box, including a picture of the concept • Technical details (inspection technique, deployment mechanism etc.) • Benefits (availability, safety, cost) • Steps required to reach demonstration of the concept • Include a picture of the concept

Detailed application (**maximum 10 pages**)

Your organisation and contact details	
1. Project lead	
Full name	<i>Enter your full name</i>
Company name	<i>Company name, web site</i>
2. Contact details	
Address	<i>Enter as text</i>
Email address	<i>Enter as text</i>
Phone number	<i>Enter as text</i>

Design details	
3. Detailed design of concept	<i>Describe technical details of your design in this box, including information such as:</i> <i>Inspection system and capabilities, including and types of flaws detected and speed (if known)</i> <i>Evidence of the technologies potential to address key constraints, in particular:</i> <i>Geometry</i> <i>Operating conditions</i> <i>Proposed Deployment mechanism including any proposed innovations</i> <i>Interpretation of primary data e.g. time, cost, ease of understanding</i> <i>Outline any specific innovation in inspection and deployment technology that differentiates your concept</i> <i>Include diagrams if required</i>

Potential benefits	
4. Description of the improvements expected vs conventional solutions	<i>Explain how the concept will improve the following compared to current systems:</i> <i>Improved detection of flaws</i> <i>Improved speed of detection</i> <i>Reduced inspection costs</i>
5. Operational constraints	<i>Please specify the operational constraints of inspection technology and proposed deployment method (e.g., wave height / wavelength, visibility, current, tides, etc.)</i>

Potential to improve safety	
6. Description of improvements to safety vs conventional solutions	<i>Explain how the concept will improve health and safety by overcoming the limitations of current systems</i>
7. Health and safety risks	<i>Identify main risks related to health and safety or environment</i>

Project details	
8. Current status of technology	<i>Current status of technology</i>
9. Organisation track record	<i>Organisation's track record of development of new technology</i>
10. Concept track record	<i>Examples of deployment of proposed technology, in any industry (if any)</i>
11. Development needs	<i>Summary of technology development required to meet challenge</i>
12. Plan of work	<i>Provide details of activities and timescales of development plan (to demonstration in Summer 2018)</i>
12. Provide details of patents held or pending for your concept	<i>Outline your IP – and any patented or licensed technology that your concept uses</i>
13. Project risks	<i>Describe the main risks associated with the project (eg, commercial, technical), and how they can be mitigated</i>
14. Barriers to competition entry	<i>Please outline any barrier that would prevent you entering this competition or being able to develop or demonstrate your technology within this program e.g. development or demonstration costs, staff qualification etc</i>
15. Other relevant information	<i>Any additional information relevant to your concept</i>

Attachments (optional)	
Attachment	Please attach any additional file here. If you wish to include files larger than 10MB (e.g. media files), please send as a URL link Please provide a sentence describing the attachment, and the software required to read it.