

Oil and Gas

Call for Corrosion Under Insulation Inspection



CONTEXT

Corrosion Under Insulation (CUI) is a widespread challenge in the industry and across Shell's Upstream, Midstream and Downstream assets. It occurs randomly on piping and equipment, isn't easily detectable through insulation layers, and requires expensive inspection and mitigation options. Given the significant amount of CUI susceptible installed equipment and piping, assets need the ability to prioritise their inspection and maintenance work and find ways to significantly improve the inspection and mitigation effectiveness and efficiency.



WHAT WE ARE LOOKING FOR

We seek safe, reliable, accurate, effective, affordable, and non-destructive techniques that are applicable to inspect and screen for CUI in our assets and eliminating / replacing current inspection methods. The primary goal of this call is to de-risk the performance of new and innovative technologies to detect CUI damage and reduce the cost of CUI mitigation for Shell.

IN SCOPE

Versatile and non-intrusive technologies that can cover a broad CUI inspection scope while capable of detecting early CUI flaw condition to allow the generation of a high reliable and accurate screening map, differentiating good steel and corroded steel.

OUT OF SCOPE

Intrusive techniques that specifically addresses only a narrow scope of CUI inspection, and having a large detection threshold under a practical application scenario.

HOW TO SUBMIT YOUR PROPOSAL

- Visit the [GameChanger submission form](#).
- In the "One-line description (max 100 characters)" field, label your proposal as "Call CUI Inspection Solutions".
- Submit your proposal by: September 30th, 2018

For questions contact GameChanger-Solutions@shell.com

WE APPLY THE FOLLOWING CRITERIA FOR CONSIDERATION:

1. Novel – Is the idea fundamentally different and unproven?
2. Valuable – Could the idea create substantial new value if it works?
3. Doable – Is there a plan to prove the concept quickly and affordably?
4. Relevant – Is the idea relevant to the future of energy?

Any information submitted as part of the process must contain only NON-CONFIDENTIAL data and information at this stage. The funding opportunity will be in the range of USD 200,000 – 400,000 to progress a “proof of concept” in a phased approach over a period of no more than 12 months. Further development may be supported and or facilitated by Shell depending on the overall outcome of the initial award.