Oil and Gas

Call for Sand Management Solutions

CONTEXT

Sand management remains a challenge within the Oil and Gas industry. As the industry continues to look for cost-efficient solutions to optimise its resources, it will be vital to adequately avoid, manage and mitigate sand production from the reservoir to surface and achieve low cost project completion, avoid unplanned shutdowns, and operate aging fields.

Given the complexities of solid transport in multiphase flow, this challenge requires a multidisciplinary approach of solutions that rely on and/or are integrated with proven technology.

WHAT WE ARE LOOKING FOR

Unproven integrated Sand Management system and/or Sand prediction / detection / monitoring / quantification / accumulation / removal tools. This system / tool will enable producers to maximize/strategize oil/gas production while avoiding risks of loss of primary containment, unplanned shutdown and premature degradation of piping and fittings.

IN SCOPE

We seek proposals on early stage technologies (TRL 2-5) that include:

- Tools for reliable sand detection, automated sampling, photographic particle size distribution and/or particle quantification and sand accumulation/leveling.
- Long term solution/tools may include integration of sand detection/quantification tools with production and operation parameters to provide real time sand management guidance (steady state/intermittent sand production)
- Other sensing technologies, upstream controlling, or monitoring and economic solutions.
- Solutions may include a combination of well, subsea and topside components or subsystems.

HOW TO SUBMIT YOUR PROPOSAL

- Visit the GameChanger submission form.
- In the "One-line description (max 100 characters)" field, label your proposal as "Call for Sand Management Solutions".
- Submit your proposal by: September 30th, 2019
- For questions contact GameChanger-Solutions@shell.com

WE APPLY THE FOLLOWING CRITERIA FOR CONSIDERATION:

1. Novelty: is your technology fundamentally different and unproven?
2. Value: could your technology create substantial new value if it works?
3. "Why Shell?": is your technology relevant to Shell and the energy future?
4. Testing: can the concept be proven quickly and affordably? Is the right team in place to deliver this?

Any information submitted as part of the process must contain only NON-CONFIDENTIAL data and information at this stage and will be treated as non-confidential. Selected proposals will progress a "proof of concept" in a phased approach over a period of 24 months. The funding level will be decided for selected proposals and further development may be supported and or facilitated by Shell.