

Summary

Target Emission Source: **Drilling Power Generation**
Emission Reduction Strategy: **Drilling Operations Efficiency**
Project Type: **Research & Development**
Entry TRL: **6**
Target TRL: **7**
Field Trial Required: **Yes**
Projected Ready By: **2022**

The Project

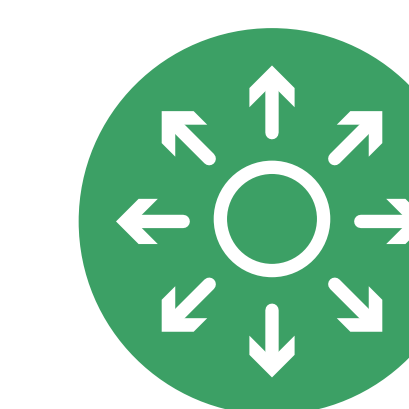
A novel downhole monitoring system was developed that provides measurements during phases of offshore drilling not covered by existing telemetry. Offshore operators will have the live downhole information needed to optimize wellbore operations, remove uncertainty, and reduce well construction and workover time. This will shorten the time required to produce a field, reducing the greenhouse gas (GHG) emissions accordingly. Extending reach has the potential to increase production from existing facilities lowering emissions intensity.



Benefits



Monitor live wellbore conditions, optimize trip rates and reduce drilling time via real-time bore and annulus pressure



Extend the developable reach of extended reach drilling via measurement of relative distance to wellbore structures eliminating depth correlation challenges

Opportunities & Next Steps

Seeking operating companies to conduct field demonstrations of time savings in drilling operations

Seeking a partner to accelerate commercialization (tool refinement and service expansion)

Seeking industry investment to leverage funding for remaining development