

## Summary

Target Emission Source: **Flaring and Venting**

Emission Reduction Strategy: **Flare and Venting Reduction Technologies**

Project Type: **Related Science Activity**

Field Trial Required: **No**

## The Project

The SeaRose floating production, storage and offloading vessel (FPSO) includes open flare and cargo blanketing as part of its primary safety systems. The study examined the feasibility of employing new processes and technologies to reduce greenhouse gas (GHG) emissions on the FPSO. The study examined modification options to reduce venting and flaring from the facility from several sources, including flash gas compression, cargo tank blanketing gas and background flaring. This study determined the technical feasibility and commercial costs of these options to recommend a path forward on GHG reduction.



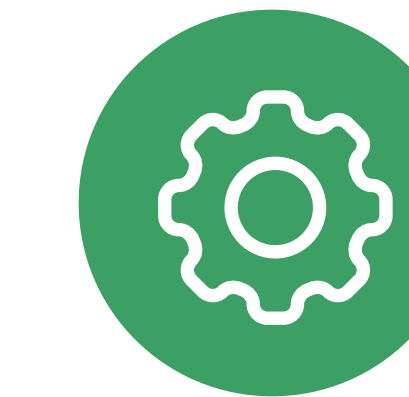
## Benefits



Identified and assessed options for closed flare and cargo blanketing systems on SeaRose FPSO



Identified potential GHG reductions along with technically feasible option for closed flare system



Knowledge transfer from North Sea to offshore Canada for this technology improvement

## Opportunities & Next Steps

Complete economic analysis that aligns with technical feasibility to determine a business case

Determine if brownfield modifications can be implemented by the next major turnaround