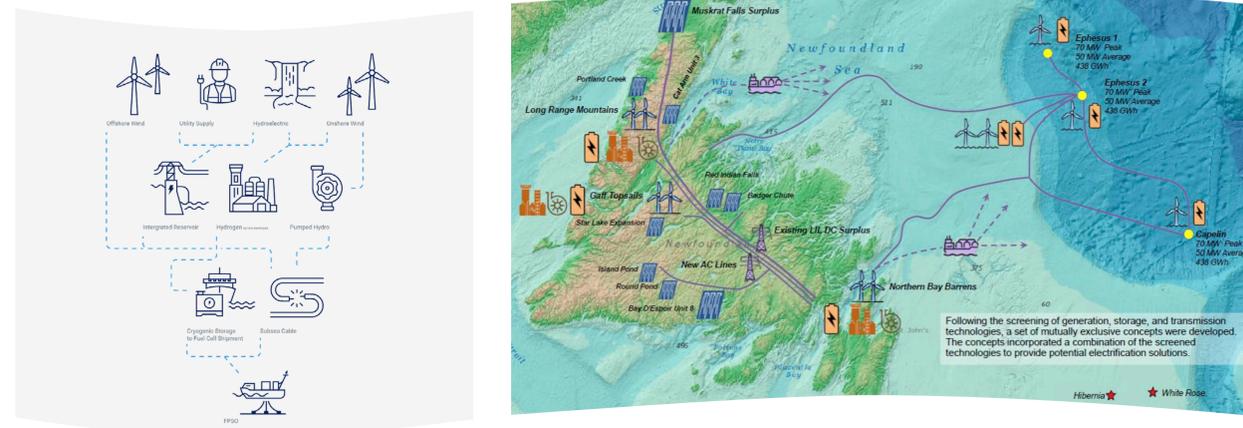
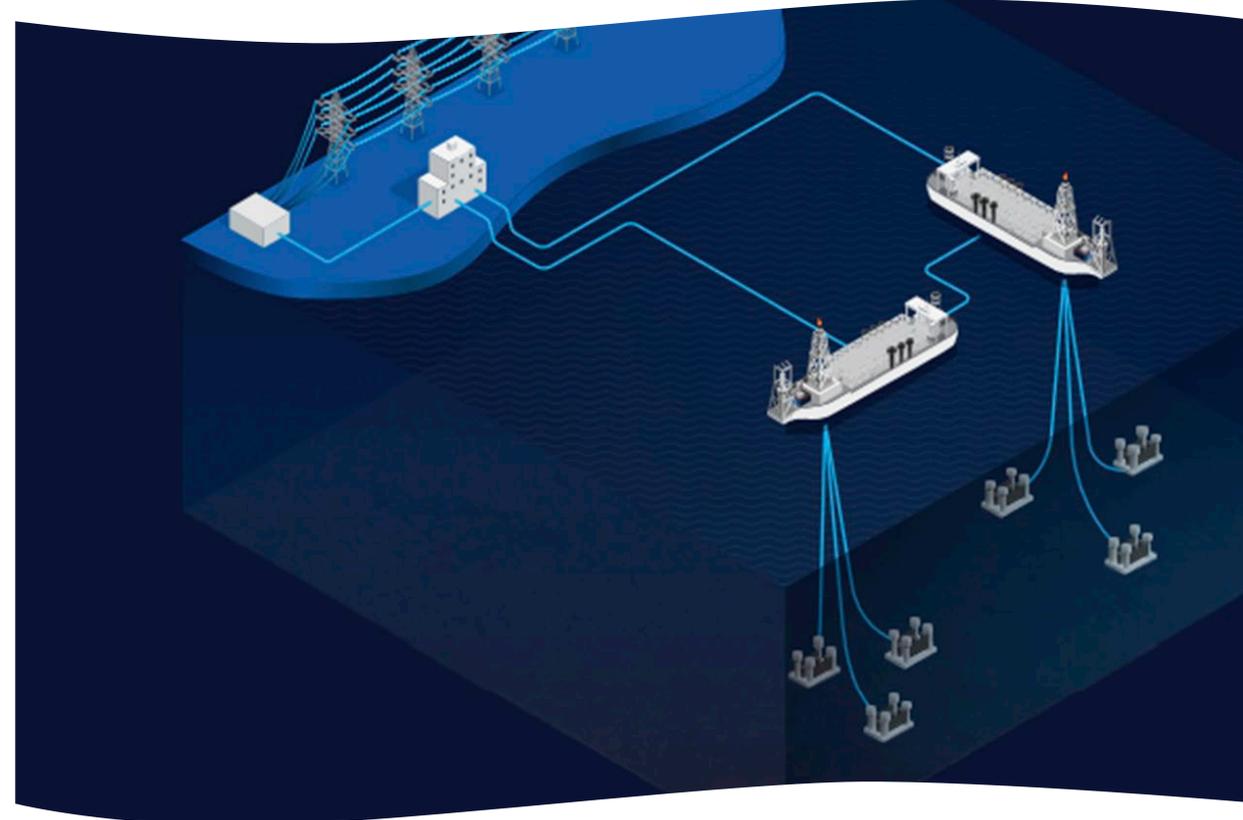


## Summary

Target Emission Source: **Power Generation**  
 Emission Reduction Strategy: **Electrification**  
 Project Type: **Research & Development (Feasibility Study)**  
 Field Trial Required: **No**

## The Project

Growler Energy investigated the feasibility of supplying renewable electrical energy as a source of energy for power generation for Newfoundland and Labrador's (NL) offshore oil and gas facilities. Looking at multiple options, including electrification from shore, hydrogen and wind energy, the study adopted a risk-based approach that identified barriers, opportunities and knowledge gaps associated with using renewable energy to power offshore oil and gas platforms.



## Benefits

- Compared various alternatives for electrification of oil and gas facilities offshore NL
- Performed ice-load testing of subsea HVDC cables, a key factor for harsh environmental conditions
- Developed a multi-year roadmap to close knowledge gaps and remove barriers to offshore NL renewable energy electrification

## Opportunities & Next Steps

- Work with industry partners to find renewable energy solutions
- Investigate renewable energy electrification of brownfield (existing) assets