

Summary

Target Emission Source: **Power Generation**

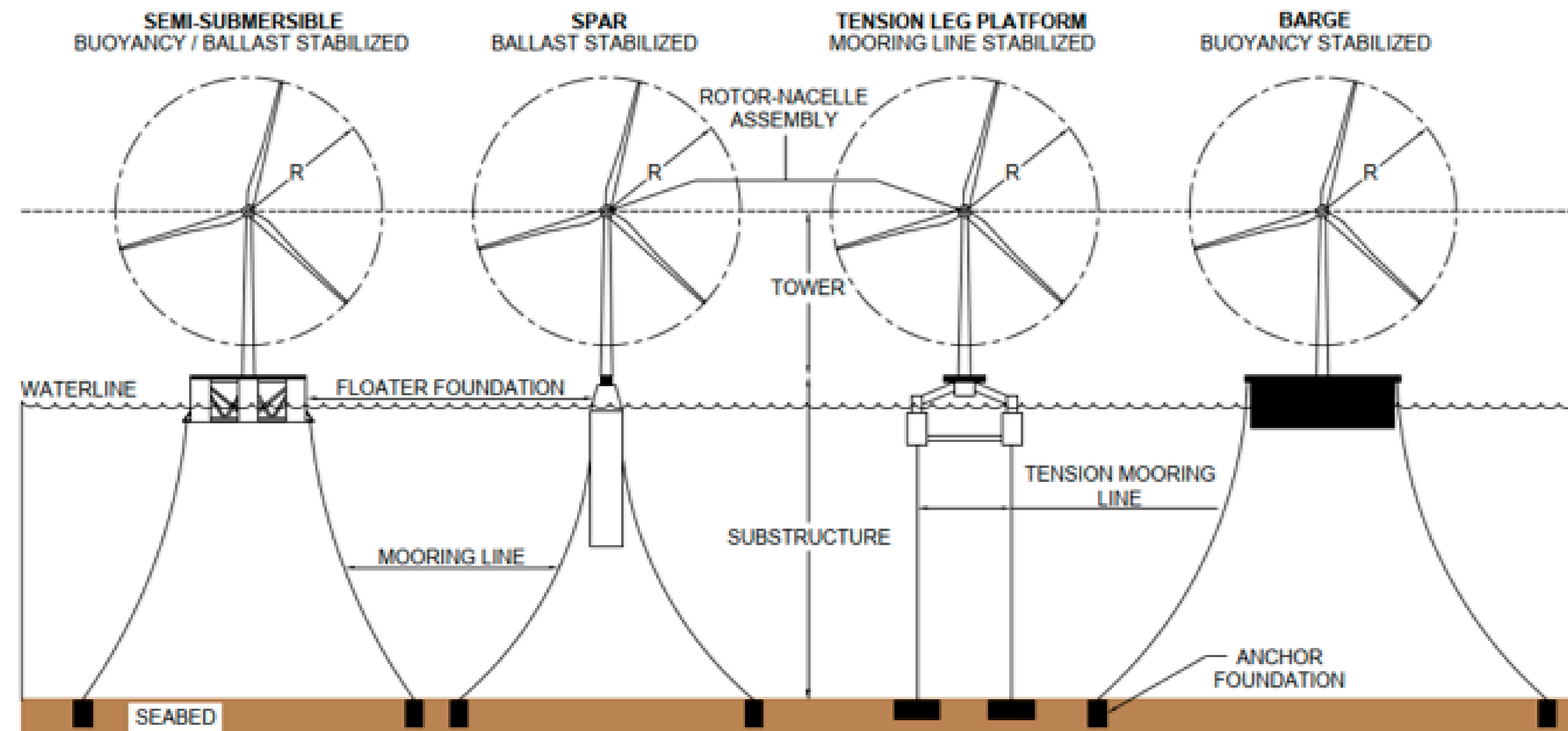
Emission Reduction Strategy:
Electrification/Alternate Energy

Project Type: **Research & Development (Feasibility Study)**

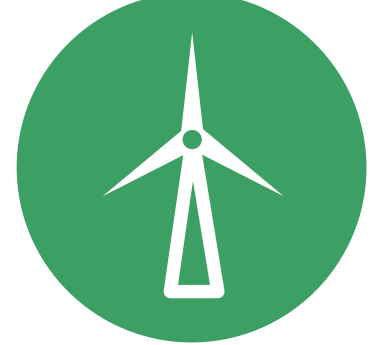



Field Trial Required: **No**

The Project

Intecsea's life-cycle study looked at the suitability of using offshore floating wind to power offshore facilities. The study examined the benefits to Canada through reduced emissions, and the contribution to the development of a workforce associated with floating wind concepts fabricated/assembled in Canada and safely operated offshore. The results of the study indicated the use of floating wind turbines offshore Newfoundland and Labrador is technically feasible, and that major components could be constructed in Atlantic Canada.



Benefits

-  Evaluated floating and fixed wind energy offshore concepts
-  Identified technical and economic (supply chain) opportunities and gaps
-  Evaluated suitability of fabrication/construction facilities
-  Investigated preliminary permitting road map

Opportunities & Next Steps

- Determine project, provincial and federal government interest in progressing offshore wind power
- Expand emissions reduction cases to include domestic, industrial and hydrogen production
- Investigate potential funding sources
- Further define pilot/demonstration project