

Net Zero Pathways and the Feasibility of Blue Hydrogen Production in Canada's Offshore Oil and Gas Industry (The Net Zero Project - econext, Energy NL, OilCo)

Summary

Target Emission Source: **Power Generation, Flaring, Fugitive Emissions, Transportation**

Emission Reduction Strategy: **Develop Net Zero Pathway**

Project Type: **Related Science Activity**

Field Trial Required: **No**

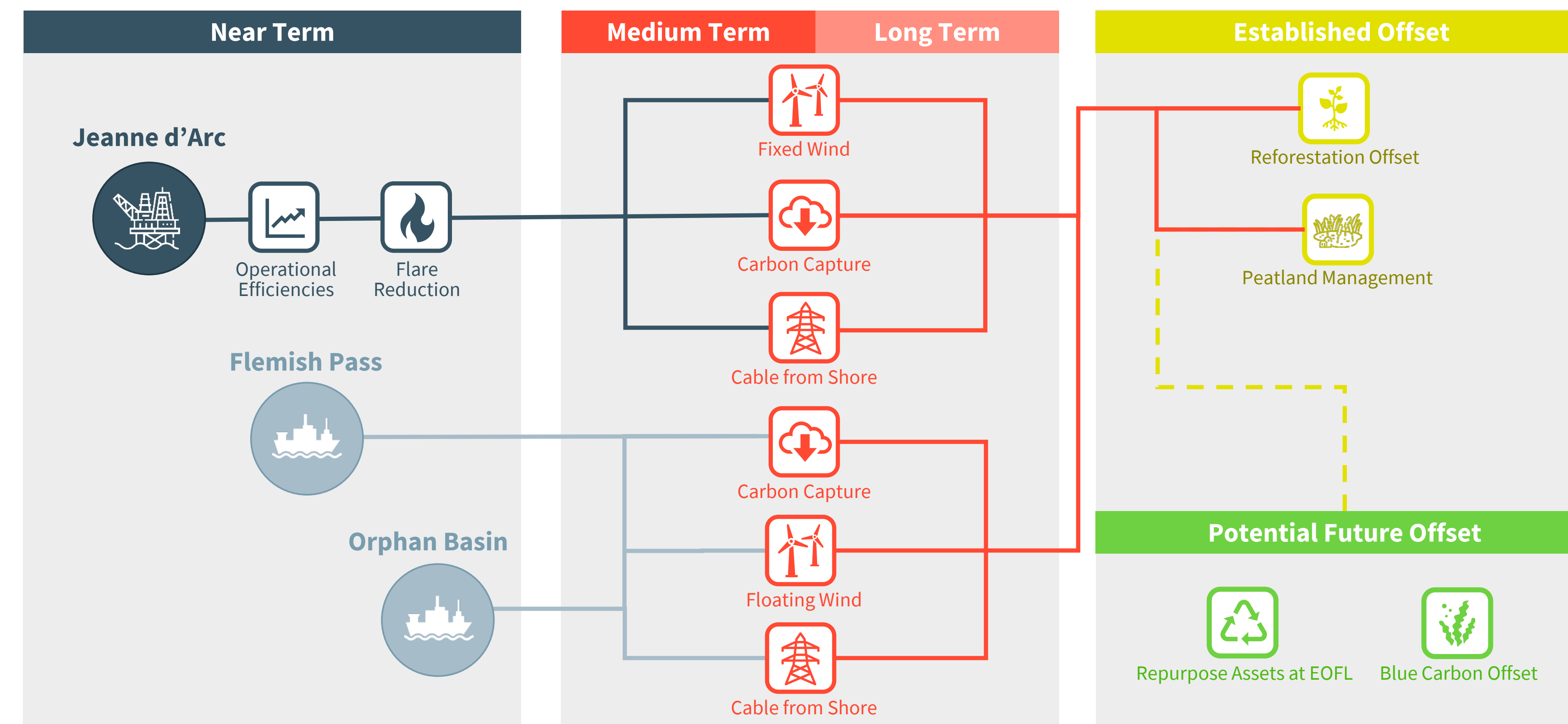
Projected Ready By: **2022**



The Project

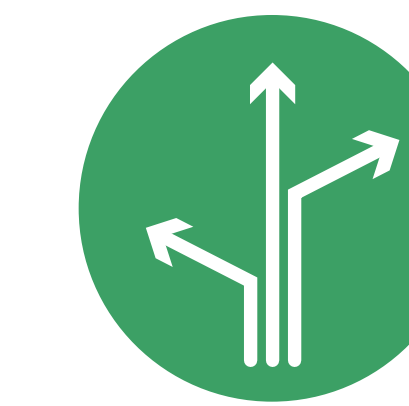
The project developed detailed pathways for Canada's offshore oil and gas industry to achieve net zero greenhouse gas emissions targets by 2050. The study evaluated available and emerging emissions reductions technologies from financial and economic perspectives and formed the basis for then development of scenarios to help the industry achieve net zero. The project also studied the feasibility of generating blue hydrogen offshore, including determining opportunities and interdependencies with carbon capture and storage, electrification, additional gas development, and other technologies.

Roadmap Overview



* The images above are for illustrative purposes only and not indicative of research results.

Benefits



Project identifies specific pathways to help Canada's offshore and gas industry achieve net zero by 2050



Includes financial, environmental, innovation, and socio-economic analysis for each pathway



Pathways can be continuously updated with evolving technology and economics

Opportunities & Next Steps

Results will help inform future research, development, technology adoption, and investment decisions for governments, investors, SMEs, academia, and the sector at large

Results will advance opportunities associated with blue hydrogen production in Canada's offshore