

WEST WHITE ROSE PROJECT - 2024

TechnipFMC and Deep Explorer Scope of Work:

Cenovus Energy (Cenovus) and its proponents, Suncor Energy Inc. and Nalcor Energy-Oil and Gas Inc., are leading the development of the West White Rose Project (WWRP) expansion. The White Rose field is located in the Jeanne d'Arc Basin, 350kms east of Newfoundland and Labrador and in approximately 120m of water. Initial development was via 3-off excavated subsea drill centres bringing production to a centralized floating production platform, the SeaRose FPSO (Floating Production, Storage and Offloading) via flexible flowlines with first oil commencing in November 2005. Subsequent expansions to the field include the North Amethyst drill center tieback which was brought online in 2010 and the South White Rose Extension (SWRX) tie back which commenced production in 2015.

Cenovus Energy has awarded TechnipFMC a contract to plan and execute an offshore diving and construction campaign in 2024 to facilitate the West White Rose (WWR) expansion and the Life Extension Dry (LED) projects.

The primary diving scope of work includes:

- Bumper Pad Replacement & Machining (Saturation Diving)
- Anode Replacement (Saturation Diving)
- Turret Cage Shimming (Surface Supplier Diving)

The primary construction scope of work includes:

- Structure installation
- Subsea piling
- Flexible pipe & umbilical installation via the Vertical Lay System (VLS)

The project will be executed using the Dive Support Vessel (DSV) Deep Explorer, which was built in 2016 and is owned and operated by TechnipFMC. The vessel will be outfitted with TechnipFMC's proprietary flexible and umbilical Vertical Lay System (VLS) with a 270 Te tension holding capacity. TechnipFMC will also use the Light Daughter Craft (LDC) Seahunter to support the surface supplier diving scopes.

Vessel crew expertise required:

TechnipFMC's DSV, **Deep Explorer**, is a versatile, multi-purpose vessel that combines Dynamic Positioning Class 3 Navigation, a 24-person saturated dive system, pipe laying facilities, working moonpool, work class Remote Operating Vehicles (ROVs), large deck area, and heavy lift capability, making it arguably the most advanced DSV in the world. The Deep Explorer was purpose-designed for the demanding requirements of the Canadian and North Sea markets, making it highly capable for work in extreme weather conditions.

Given that the Deep Explorer operates mainly as a DSV, experience and familiarity with TechnipFMC practices is key to making subsea construction activities run as safely and efficiently as possible, while minimizing impact to the environment, damage to other subsea equipment, and reducing unnecessary disruption to the client's production schedule. It should be understood that the type of work being undertaken on the Deep Explorer is of a specialized nature and the project requires a dedicated team effort from an experienced crew in order to deliver the required results. The core vessel crew is well-versed on the methods used on the vessel, especially in cases of emergency. They have also received significant amounts of formal and in-house training during their time with the company.

In order to efficiently and safely complete the work onboard the Deep Explorer, the crew/personnel must have proprietary knowledge and experience of the vessel and its dive system, Vertical Lay System and other various working systems onboard.

Number of Canadians and permanent residents working on the project:

TechnipFMC will endeavor to include a maximum number of Canadian/Permanent Resident personnel whilst working in Canada, subject to the individuals having the requisite certification and relevant experience and competence in the operations to be completed. TechnipFMC, as a major contractor in Atlantic Canada, is committed to providing local opportunities while maintaining its priority on the safety of its crew, its vessel/assets, and the environment.

TechnipFMC anticipate hiring qualified local personnel in the below noted positions through our Canadian personnel providers with whom we will have a contract to provide personnel.

- 2nd Officer
- 3rd Engineer
- Able Seafarer (Deck)
- Able Seafarer (Engine)
- Fitter
- Materials Coordinator
- Stewards
- Cooks
- Medic
- Assistant Life Support Technician
- Lift Support Technician
- Saturation Divers
- Air Divers
- Dive Supervisor & Offshore Construction Supervisor
- ROV Pilot/Technicians
- Riggers
- Rigger/Welders
- LDC/FRC Coxswain

The project timelines:

Our current project schedule reflects the Deep Explorer is expected to arrive in Canada on or about June 5th, 2024 to commence work in the White Rose Field on June 10th, 2024. Barring any unforeseen delays, the project is scheduled to be completed by Sept 30th, 2024. Although the timeframe scheduled for this vessel to be in Canada is relatively short, we are requesting the LMIA's for 5.5 months to cover any potential delays during the project start up or due to weather, technical problems/break downs and/or personnel issues. TechnipFMC are requesting the 5.5 month LMIA in order to alleviate the onerous task of obtaining new LMIA's and extending Work Permits should the vessel experience any significant delays.