

Expro expansion into the marine market

Expansion into the marine market

Why we are entering the market?

We identified a need to use a dedicated support vessel for global operations.

This capability gives you:

- A modern, high specification DP vessel to use in **global operations**
- An **efficient method** of deploying and operating your well access systems and performing your well interventions
- A solution which gives you a more comprehensive scope across the lifecycle of your subsea wells



Expro and FTAI

Offering a fully integrated and flexible approach to intervention

- In partnership with FTAI, we are proud to offer a fully integrated subsea intervention package to safely reduce risks, lower operational costs, and increase your efficiencies
- By providing a full service offering for riserless and riser-based well intervention and plug and abandonment (P&A) markets, that includes:
 - ROV services
 - Well intervention utilising
 - Slickline
 - E-line
 - CoilHose
 - Coiltubing
 - Subsea well access
 - Hydraulic intervention
 - Well planning
 - Execution and offshore well management
- **Single source supplier** using one contract entity



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When are we entering the market?

- Expro are entering into an alliance with a vessel owner which will commence February 2021, effective through to 2024 (with options to extend further)
- The support vessel – MV Pride – is an existing asset which is being upgraded to enter the LWI market mid-2021 with Expro's RWI spread onboard
- The vessel will be outfitted with an HP riser system early 2022 to allow it to perform through-riser interventions



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Our capabilities

The Pride (in LWI mode) is equipped with an integrated smart tower system to perform safe and efficient operations, using our Intervention Riser System (IRS) and our Riserless Well Intervention (RWIS) technologies.

We can perform the following:

- RWI operations to **1500m water depth**
- Through riser interventions with HP riser and Expro/WOM IRS to **1000m initially, upgradeable to 1500m (future) and 2.500m in riserless mode**
- **Hydraulic interventions** (using Hunting Hydraulic Intervention System)
- Subsea field **construction and deconstruction** works:
 - 250T, 2700m depth capability subsea crane
 - Twin WROV systems
 - Large free deck space
 - 100 man accommodation
 - DP3 capability
 - 12 – 14 knot transit speed



Light well intervention vessel

Reducing your well intervention costs by eliminating the need for a drilling rig

Substituting expensive rigs with a light intervention vessel can positively impact on your project costs and create an even bigger opportunity for cost optimisation

Applications:

- Coiltubing, CoilHose, e-line and slickline capabilities
- Acid stimulation, scale treatment and hydrate remediation
- Subsea well plug and abandonment
- Complex subsea construction to 2700m water depth
- Installation and commissioning support



Light well intervention vessel

Features and benefits

- Dedicated, **purpose built smart tower system** with full mission equipment designed as a system and delivering a comprehensive well intervention and P&A solution
- **Full riser and riserless intervention capability**
- **Reduced personnel** requirements in the moon pool area designed for automated operations
- **No man-riding** using walk-to-work technology for access to moving platforms and equipment
- **Minimal deck footprint** utilising raised walk ways and gantries for guide/pod line winches
- **Fully automated** control of the tower systems and topsides, and subsea intervention equipment
- Designed, tested and classed to DnV standards



Light well intervention vessel

Vessel technical specifications

Year of build	2014
Flag state	Singapore
DP class	DP3
Class notations	NV, 1A1, DYNPOS, AUTRO, E0, CLEAN, COMF-V(3) C(3), HELDK-SH, SF, ICE C, CRANE, NAUT OSV (A).
Length overall	130.0 m
Breadth	28.0 m
Draught	7.50 m
Transit speed	12 knots economical
Fuel consumption	Alongside: 6.5m ² Transit: 24m ² DP: 18m ²
Moonpool	7.2m x 7.2m
Workable desk space	2,000 m ² @ 10t/m ²
Main crane	250T Active Heave Compensated - Subsea rated
Cargo desk crane	35T
ROVs	2 x WROVs (permanently installed), 2 x ROV hangers and dedicated ROV control room
Accommodation	100 POB (comfort class)
Life boats	2 x 100% (Port & Starboard)
Facilities	2x Large project offices overlooking main deck 1x Dedicated TV room 52 seats, 1x sauna 1x Dedicated conference room 1x dedicated hospital facility (elevator access from main deck)

* Design Plan Approval for designation of the MV Pride to Well Intervention Class 2 has been obtained from Class. Ship-Shaped Well Intervention Unit 2 notation

Light well intervention vessel

SMART tower technical specifications

Designed to NORSOK and API standards and certified in accordance with DnV-OS-E101

Static hook capacity 250Te

Run/retrieve/handle up to 9 5/8" pipe; singles and doubles

Operational water depth 70M to 1500M

AHC: +/- 7M

4 x 5Te guide wires (PHC/CT) run through the moon pool on API guide post centres

2 x 10Te POD wires (PHC/CT) run through the moon pool

Moon pool guide/cursor for equipment deployment

Provision of HP mud and cement stand pipes

3 x 120Te equipment skidding pallet system

Minimal deck footprint utilising raised walk ways and gantries for guide/pod line winches

