

Light Well Intervention Vessel

An integrated approach to flexible well intervention



Expro and FTAI offer the first fully integrated subsea intervention package to safely reduce risks, lower operational costs, and increase customers' efficiencies.

By providing a full-service offering for riserless and riser-based well intervention and plug and abandonment (P&A) markets, that includes all marine, ROV, well intervention, wireline, e-line, CoillHose, subsea well access, hydraulic intervention, well planning, execution and offshore well management from a single supplier using one contracting entity.

The DP3 M/V Pride offshore construction vessel is equipped with an integrated smart tower system to perform safe and efficient operations utilising Expro's Intervention Riser System (IRS) and Riserless Well Intervention (RWIS) technologies. The innovative system is designed, tested, and classed to DNV standards operational in water depths up to 1,500 meters in riser mode and 2,500m in riserless mode.

Applications

- Coiltubing, CoillHose, e-line and slick line capabilities
- Acid stimulation, scale treatment and hydrate remediation
- Subsea well P&A
- Complex subsea construction to 3000m water depth
- Installation and commissioning support

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
- 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
- Adopt a safety in design approach with respect to:
 - Fully automated Minimal requirements for personnel involvement in the operation
 - No requirement for man riding
 - Personnel access



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Vessel specifications

Main particulars	
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 deck space	2,000 m ² @ 10t/m ²
Main crane	250T Active Heave Compensated - Subsea rated
Cargo deck crane	35T
ROVs	2 x WROVs (permanently installed), 2 x ROV hangers and dedicated ROV control room
Carousel	Underdeck carousel room for submarine fibre optic cable flexible and small-diameter rigid pipe-lay work
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

Smart tower specifications

Main particulars	
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	