

# Trident-OVS Light Well Intervention System

## A LOW-COST, FLEXIBLE WELL CONTROL SOLUTION

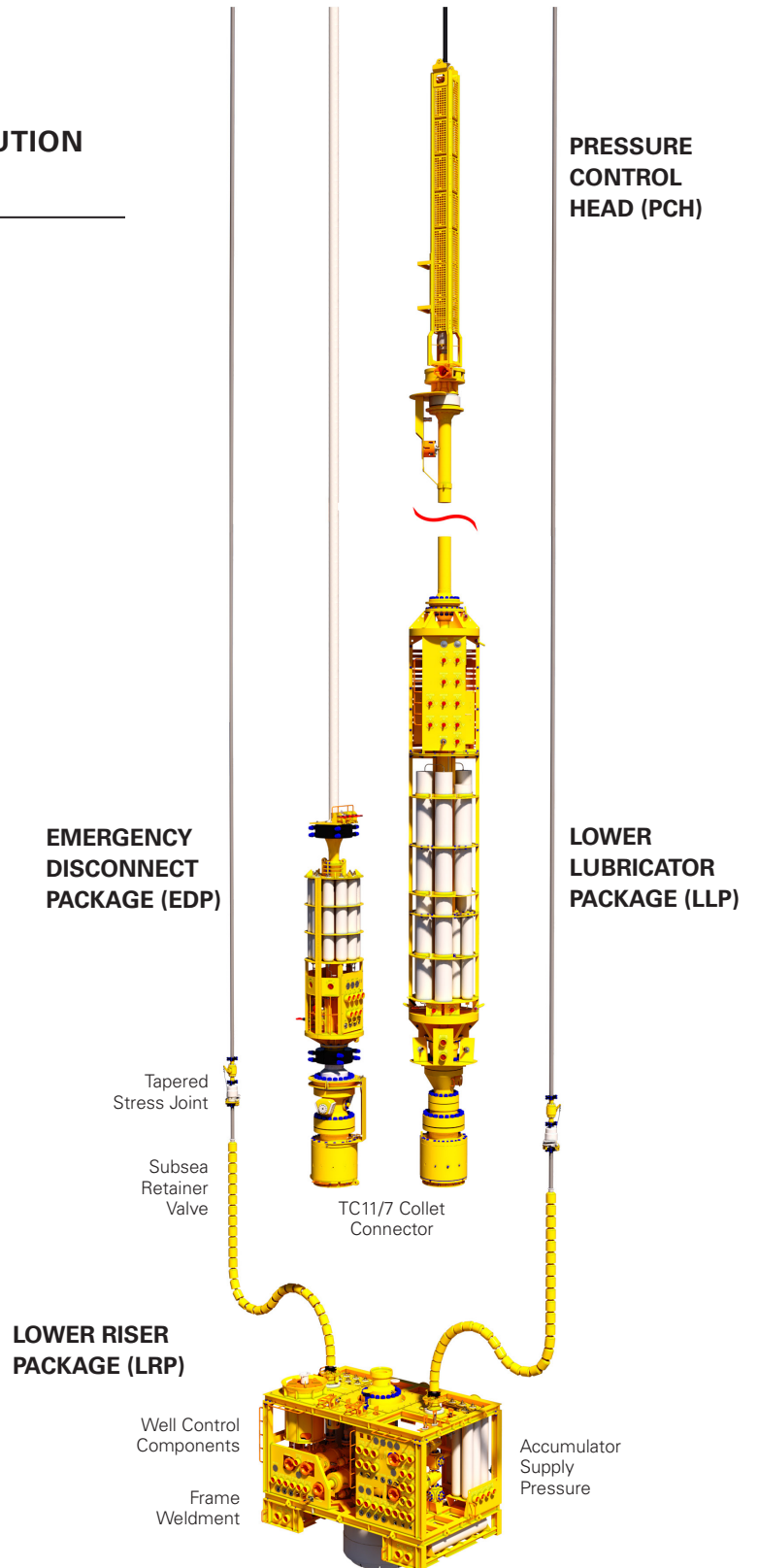
### OVERVIEW

The Trident-OVS 15,000 psi light well intervention system is a versatile and cost-effective solution for open water mechanical and hydraulic intervention from mobile offshore drilling units (MODU) or multi-service vessels (MSV). The Trident-OVS system saves operational time and deck space while reducing personnel on board through its unique design. The same equipment delivers three systems in one, allowing flexibility for stimulation, completion workover riser (CWOR), and riser-less lightwell intervention (RLWI).

The system is field configurable for riser-based, riserless mechanical, or hydraulic stimulation operations on both vertical and horizontal subsea tree systems in water depths up to 10,000 ft. (3,048 m). The lower riser package (LRP) provides well control and isolation in the event of an emergency and is common between all three operational configurations. The emergency disconnect package (EDP) is used for drill pipe riser-based operations and the lower lubricator package (LLP) and pressure control head (PCH) are used for riserless mechanical operations.

The proven 6-3/8 in. Veto™ Isolator 15,000 psi ball valves reduce the size and weight of the system compared with traditional ram-based systems, while delivering shear and seal capabilities to the latest industry standards.

The 50 in. OD EDP deploys through the rotary allowing for single trip deployment and recovery with the LRP. The electro-hydraulic control system has the flexibility to be controlled by a single downline and/or through ROV controls.



## FEATURES AND BENEFITS

- » 15,000 psi riserless, riser-based, and hydraulic stimulation applications
- » Maintains a dual-barrier philosophy at all times, with shearing and sealing valves qualified to API STD 17G for:
  - Coiled tubing: 2 in., QT-1100, and .203 in. wall
  - Wireline: slickline, braided and e-line
- » Single system reconfigurable offshore
- » Compatible with VXT and HXTs
- » Shallow water operations with maximum release angle of 10 degree
- » Isolates wellbore and riser fluids from the environment during emergency disconnect sequence

## Equipment Specifications

Rated Water Depth, ft. (m)	10,000 (3,048)
Rated Working Pressure Riser, Riserless, and Hydraulic Stimulation System, psi (bar)	15,000 (1,034)
Production Bore Access, in. (cm)	6-3/8 (16.2)
Annulus Bore Access (for Circulation), in. (cm)	2 (5.1)
Product Specification Level for Wellbore Equipment	PSL 3G
Temperature Rating for Wellbore Equipment, °F (°C)	35 to 250 (2 to 121) [Class "V"]
API Material Class (Wetted Surfaces)	EE
EDP Deployed Weight, T (kg)	22 (19,960)
LRP Deployed Weight with H4 Connector, T (kg)	55 (49,895)
EDP Barrier Rating	Shear and Seal, Gas SSL
LRP Barrier Rating	Dual Shear and Seal, Gas SSL
ROV Interfaces	ROV Bucket, Hot Stab, and Grab Handles per API 17
Control System	Electrohydraulic with Downline and/or ROV Controls
EDP Outside Diameter	50 in. (Deploy Through 58 in. Rotary Table)
Lubricator Length, ft. (m)	Up to 120 (36.6)
Lift Points	Compliance to DNV 2.7-3
Standards	Compliant with API STD 17G and STD 53 (as applicable)

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