



Electro-Hydraulic Distribution Module

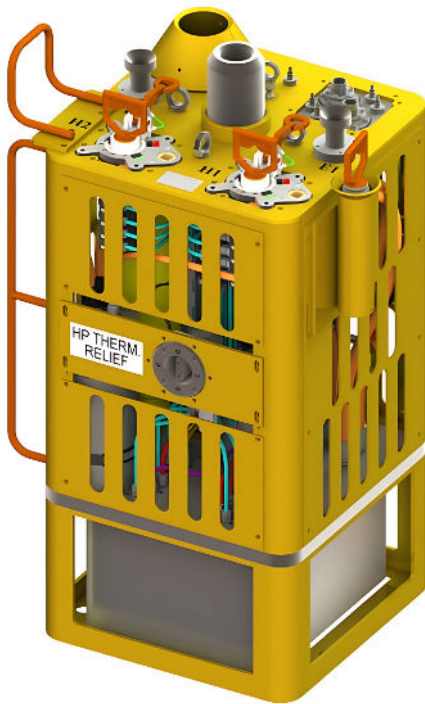
Integrated subsea control for safer, simpler, and more cost-effective operations

The EHDM is a field proven multi-vendor XT subsea control system that simplifies installation, workover and plug & abandonment (P&A) of subsea wells. The solution allows operators to perform safer, simpler and more cost-efficient well operations compared to using traditional XT control systems.

4Subsea provides subsea control system solutions tailored to customer requirements, optimising operational performance and efficiency. The Electro-Hydraulic Distribution Module (EHDM) addresses the complexity, equipment size and weight, and costs typically associated with traditional subsea control systems like Workover Control Systems (WOCS), offering a modular and simplified approach.

FEATURES

- An alternative to traditional Workover Control System (WOCS & IWOCs) that reduces Red Zone activities and minimises HSE personnel exposure
- Compact XT control system with a small footprint and lightweight design
- Multi-vendor XT and control fluid compatibility for flexibility in operations
- Real-time monitoring and diagnostics, including data trending
- Back-up system to maintain operations during communication loss
- Compact umbilical design with hydraulic and electrical lines
- Can be interfaced with Tree Running Tool (TRT) for XT installation
- Adaptable for controlling Light Well Intervention (LWI) & Riserless Light Well Intervention (RLWI) systems



INTEGRATED AND EFFICIENT SUBSEA CONTROL

The EHDM is an integrated subsea control system designed to control, test, and monitor XT functions during operations without the need for large, complex topside equipment.

The unit is located subsea, close to the well, with flying leads connecting all hydraulic and electrical functions between the EHDM and the XT.

A minimal topside equipment spread and a compact umbilical supply the subsea system with all necessary control fluid, communication, and monitoring requirements. Overall, the EHDM is a highly versatile and modular system designed for efficient subsea well access operations.

BENEFITS

The EHDM ensures effective and reliable XT control across the lifecycle of a well:

- Simplifies deployment and reduces rig handling challenges compared to traditional larger, heavier systems.
- Provides a single interface with the ability to operate multi-vendor XT's.
- Faster XT actuation compared to WOCS systems
- Maintains XT communication with SCM even during BOP disconnection
- Optimises ROV operations with minimal handling time
- A field proven TRL 7 system, reducing operational risks

TECHNICAL SPECIFICATIONS

- Designed in accordance with ISO, API and NORSOK codes and standards
- Overall dimensions: 750 x 800 x 1200mm (30" x 31" x 47")
- Approximate weight: 960kg (2116 lbs)
- Max Working Pressure: 690bar (10,000 psi)
- Water Depth Rating: up to 1,500m
- Output Lines: 12x hydraulic

4Subsea is a leading provider of technology and services that help operators optimise energy production from subsea oil & gas fields and off-shore wind farms. We combine domain expertise with data analytics and digital services to maximise lifetime of assets, reduce operational cost and optimise future projects through data-driven design.

The company was established in 2007 and clients include the major energy operators as well as the large suppliers of subsea equipment. 4Subsea is headquartered in Asker, Norway with additional offices in Bergen, Kristiansand, Stavanger, Rio de Janeiro, Kraków and Aberdeen. 4Subsea is a company in the Subsea 7 Group.

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