

Subsea Well Access

Riserless Well Intervention System (RWIS)

Subsea Service Module (SSM)

The Subsea Service Module (SSM) provides hydraulic and electrical power, communication, and control to the Well Control Package (WCP), Pressure Control Head (PCH) and Xmas Trees (XT). The SSM consists of electro-hydraulic supplies fed from the surface which terminate at the umbilical termination head (UTH).

The SSM is designed for extended subsea immersion as it is fitted with a single lifting point to allow deployment over the side via the vessel subsea crane. Designed for multiple deployment methods, the SSM can be landed on set on the seabed or suspended mid-water in case of a congested seabed or due to seabed conditions by the vessel subsea crane and is connected to the main umbilical from the vessel via the UTH.

Features and benefits

- Six 500 L (132 gal) capacity depth compensated reservoirs for hydraulic oil fluid and grease are connected to their respective pump and header for distribution to the WCP / PCH and XT when in operation. Equipped with a variable speed drive that controls each pump and can deliver up to 10,000 psi (689 bar) of hydraulic control pressure.
- Flying leads are utilized to connect all power and hydraulic functions between the SSM and WCP as well as the SSM and third-party XT.
- Connected to client XT via stab plates to allow the flying leads to disconnect from SSM in the event of an emergency.
- Up to 20x hydraulic controls with electrical interface to control the XT.
- Dual pumps and flying leads offer 100% redundancy.

