

# CASE STUDY:

## SCMTS & DSCM



### The Background

A client was looking to increase their inventory of onshore test and offshore service equipment to support an existing Subsea Production System. The primary focus was on subsea control equipment, and the client issued a detailed requirements list outlining the specific items required.

Following a technical review, J+S Subsea identified that an existing SCM Test Stand and Test and Flushing SCM could form the basis of the solution.

These assets, originally supplied by the same OEM, were from an obsolete project and had been held in storage for over 15 years.

### The Project

While largely compatible with the client's requirements, the SCM Test Stand and Test and Flushing SCM required several modifications and upgrades. This included the installation of additional gauges and valves, along with the manufacture and testing of new hydraulic lines to extend functionality.

A number of components were found to have expired certification or exceeded their service life. In some cases, replacement parts were obsolete, the original OEM was no longer operating, or procurement restrictions were in place. Where this occurred, J+S Subsea identified suitable alternative components or arranged refurbishment of existing items to restore full functionality.

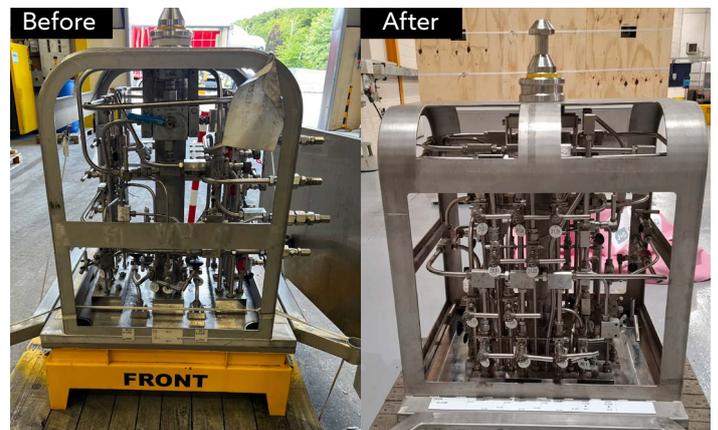
To ensure full compliance with API standards, new project documentation was also developed. This replaced the unavailable legacy documentation, providing a complete and auditable technical record for the upgraded equipment.



### The Results

Upon completion, the SCM Test Stand and Test and Flushing SCM exceeded the original specification. The upgraded system is now capable of testing a wider range of SCMs, enabled by the addition of new function lines and enhanced control capability.

Targeted component upgrades were also implemented, including the replacement of the hydraulic ram with a stainless-steel rod. This significantly improves durability and reduces degradation when operating in a marine environment, extending service life and reliability.



**Reduced lead times and project costs**



**Lower carbon footprint through reuse**



**Proven design, reduced development risk**

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