



Subsea Trenching

Decades of leading the way

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Osbit isn't just our name, it's our promise.

Whatever your offshore engineering need, we'll take your problems and own them until we solve them. It's as simple as that.

We believe in delivering high-quality bespoke engineering with a flexible service, so whether you're after a turnkey system, an asset upgrade or another form of support, we'll bring it to you On Spec, Budget and In Time, every time.

Subsea Trenching

Our engineering team includes pivotal figures and pioneers in subsea engineering and control, with particular expertise in subsea trenching.

We understand the impact that downtime has on project margins and we minimise this by providing high-quality, cost-effective equipment in short lead times.





Expertise

- Pipeline and cable ploughs
- Mechanical trenchers
- Jetting ROVs
- Jetting tractors and sleds
- Vehicles for decommissioning
- Control cabins and another line Asset support software

Recent Projects

- SCARJet - Trenching vehicle design, build and testing
- T1 - Major upgrade and integration of new control system
- T1 - Power & Cooling upgrade
- T1 - Cable Handling Upgrade
- T2 - Jetting Sword Integration
- PT1 - Cable Handling Upgrade
- CMR3 - Cable Handling Bellmouth



Main: Bespoke subsea trenching vehicle control cabin, featuring Osbit Integrated Logistics Support (OILS) software
Small: T1 trencher cutting upgrade - equipment trial

T1 Trencher Upgrades

Our team has completed several modification and upgrade projects on this vehicle, a subsea trencher which was designed and built in the mid 1990s. The vehicle was originally intended for mechanical cutting and jetting for the burial of cables and umbilicals subsea.

Cable Handling Upgrade

We first upgraded the trencher by modifying its trough, depressor and rock-wheel assembly cable passage, which allowed it to support a larger minimum bend radius of 4.3m.

Power & Cooling Upgrade

We have most recently conducted a cooling system upgrade to facilitate continued use from fully submerged through to land use, without reconfiguration. We also supplied a power upgrade, which allowed more of the installed power to be available for cutting.

Key Benefits

- Compact onboard power system
- Upgraded cooling system offers uninterrupted operations
- Cable handling modifications accommodate larger MBR products



- 1 520kW HPUs Installed
- 2 Modified Pod Hardware and Control System
- 3 Glycol/Oil Heat Exchanger
- 4 Glycol Blast Air Coolers for Beach Operation
- 5 Glycol Pumps
- 6 210kW Upgraded Rock-Cutting Wheel Motor

"I've been very impressed by Osbit's willingness to work with us and deliver what we need. They have been very supportive throughout the upgrade works and continue to provide support both remotely and on site as required"

Tony Stokes, Managing Director - Asia Pacific & Middle East, DeepOcean