



Control Systems

Modular systems tailored to requirement

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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.

Control Systems

Our bespoke control systems are shaped by our experience as an OEM, and the wealth of operational experience gained by our engineers.

We design and build modular systems, which are configured into a tailored solution for a diverse range of applications. Our team is also experienced in system upgrades, and third-party equipment integration.





Modular, PLC-based open control systems

Our systems are intuitive, safe and dependable by design.

Flexible:

- Proven interface with CANbus, Serial, Profibus and Profinet
- Hands-off, user-friendly automation

Reliable:

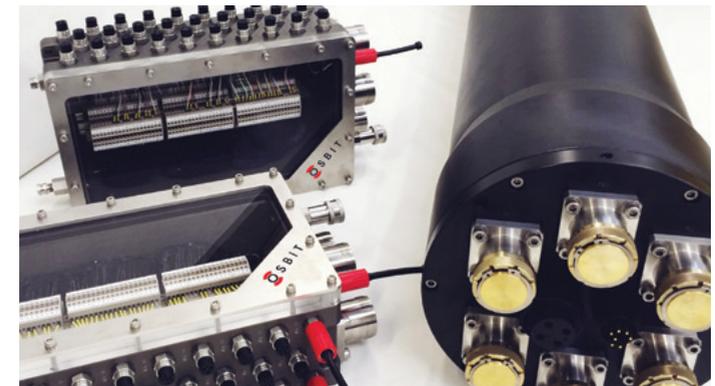
- Jargon-free integrated self-diagnostics
- Plug and play replaceable units to minimise downtime
- Black box data logging for diagnostics and fault-finding

Safe:

- Software and interlocks written to military standards
- Hardwired safety loops and relays

Osbit's in-house control expertise supports all of our projects, including:

- Subsea vehicles, from jet sleds and ROVs, to trenching tractors
- Deck equipment
- Launch and recovery systems
- Test systems



Main: Bespoke subsea trenching vehicle control cabin, with Osbit Integrated Logistics Support (OILS) software

Small: Subsea control system modular pods

MaXcess P35 Gangway Control System

As part of a 35m offshore access gangway, we designed and built a fully bespoke system to control a range of functions including luff, slew, telescoping, emergency lift-off, datalogging and remote login.

Safety was crucial on this project, with zero margin for error, as the system was required to facilitate personnel and cargo transfer between the offshore vessel and rig.

To reflect this, the control system was installed with advanced fault-diagnostics to pick up both short detection and any sensor failure or anomalies. It also utilised component redundancy, to ensure operational reliability.

The system was simple to test and validate due to its modular composition, which was designed in accordance with latest DNV and ATEX standards, and was successfully installed.

A high-integrity system which facilitates hundreds of safe transfers a day

Key Benefits

- Fail-safe interlocks to ensure safe transfers
- Easier access for installation and maintenance
- Built from modular, proven system elements
- Compliant with DNV, ATEX and military standards

