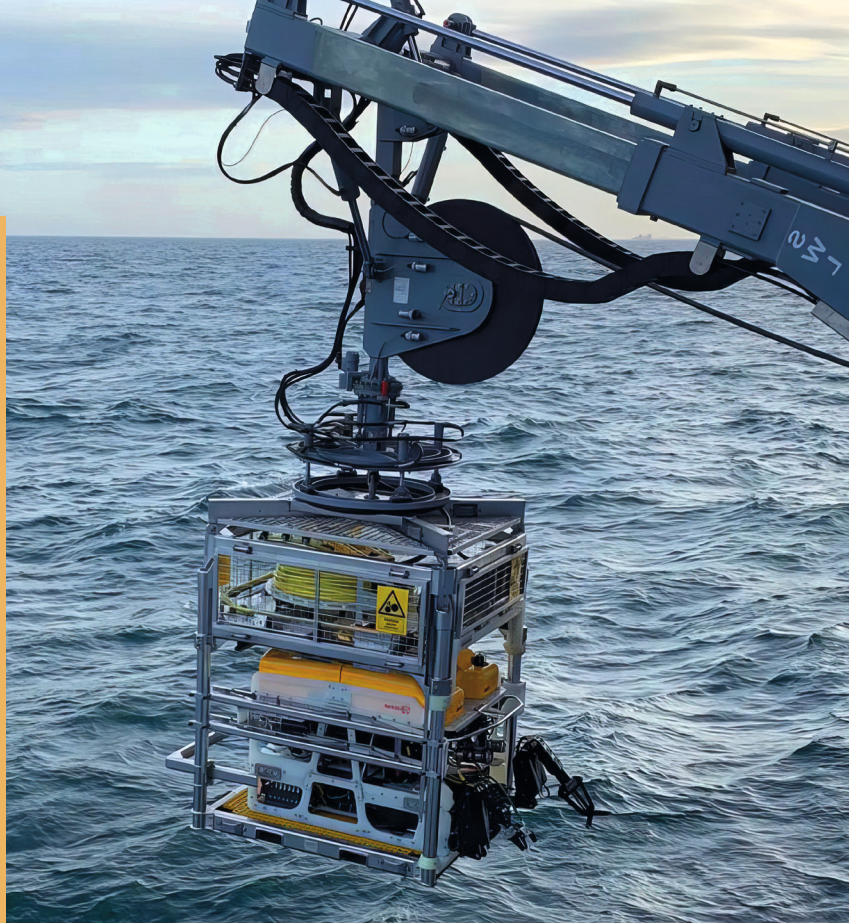


# APPLICATION TMS

Tether management systems (TMS) are used for storing and deploying an ROV to operate at depth independently of support vessels motion. TMS operate subsea and have a range of lengths of tether to allow the ROV to operate at a greater working radius. TMS systems are submerged in water, meaning all hydraulic and electronic components must be designed to operate at depth in harsh working environments. Trust in Wandfluh products to deliver for these specialist environments.



## FOCUS

Tight working space constraints and harsh working environments offer challenges when designing tether management systems. Hydraulic and electronic assemblies need to fit within small space envelopes, whether being a garage type TMS or top hat TMS. Utilising Wandfluh's range of high-performance hydraulic control valves, maximum flow and pressure performance can be achieved in a small working envelope. This allows Wandfluh to incorporate all functions required for operational TMS, from proportional drive control to manual back pressure valves.

## SPECIALITIES

- Wide range of flows available in number of Cetop interfaces, allowing optimal performance from smallest space envelope.
- Bespoke designs to fit in the most demanding of space constraints.
- Control manifolds for tether tension utilizing stainless steel valves meaning these can be placed around TMS for better space and weight distribution.
- Plug and play bespoke designs to suit TMS requirements, making it easy for integration and installation.

## COMPONENTS

Haul in and pay out functions offered using Wandfluh proportional directional control, giving maximum control and adjustability when hauling in and paying out. Wandfluh's extensive range of manual cartridge valves offer control of back pressure in the system, to allow the tether to be at correct tension throughout. Stainless steel external valves are available, so that the valves that are used for tension control can be mounted with adjusting screws externally, allowing easy adjustment during setup.

