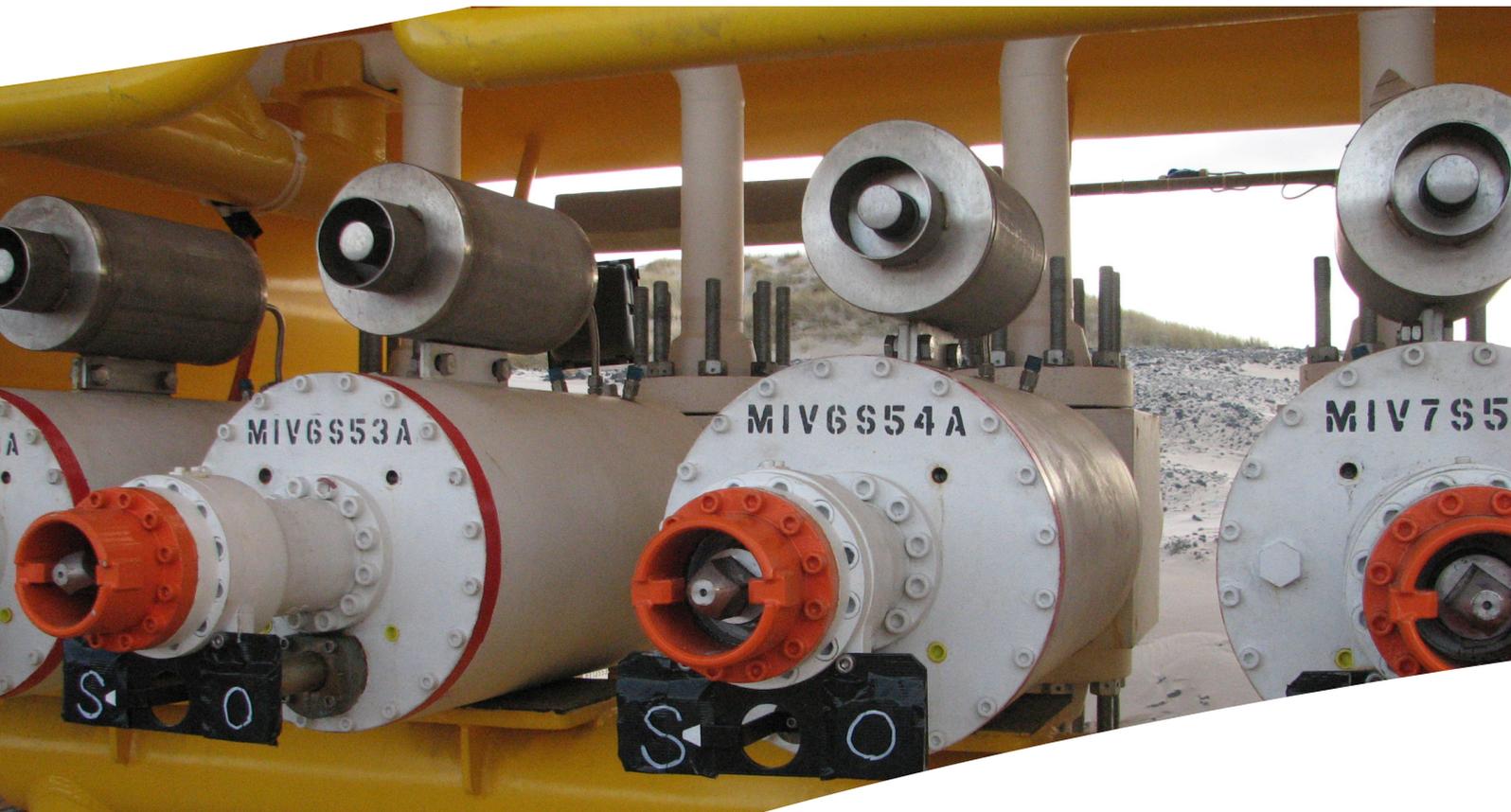


# ValveTrack

*Streamline subsea valve management with ValveTrack*

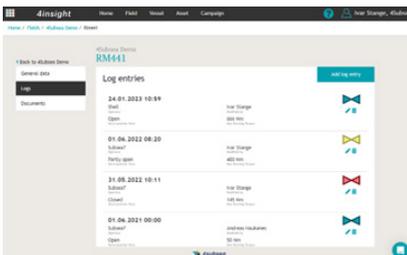
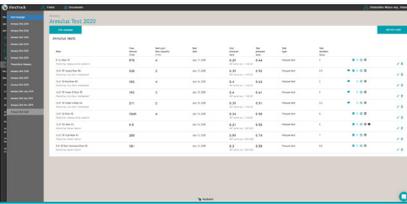


*ValveTrack is a user-friendly subsea valve management application transforming the way engineering, construction, and service companies operate. With ValveTrack, operators leverage quality data to avoid maloperation of subsea valves and ensure that your subsea operations are smoother, safer, and more efficient.*

ValveTrack is built on 4insight®. 4insight® is a digital service empowering engineers to create and distribute decision support based on data analytics. The service enables you to connect to and collect large amounts of data. Users can choose from a large selection of readily available applications or tailor-made their own apps running on 4insight®.

## KEY BENEFITS

- Complete, dynamic and easy access to valve information and operational history
- Valve deterioration diagnostics enable planned rectifications and avoid unnecessary stop in production
- Reduced engineering hours through optimised workflow for planning and execution of valve operations
- Less time spent searching for documents, drawings, P&IDs, tooling interface, and historical valve status
- Lower risk of incorrect valve operation by having quality data at your fingertips



## Why ValveTrack?

Managing subsea valves can be a time-consuming and complex process when done without a dedicated software platform. Typically, valve status is tracked through separate logs and spreadsheets, making revision control difficult and leading to unclear ownership and approval chains. This can result in delays, increased costs, and safety hazards if valves are not managed properly.

Additionally, maloperation and excessive torquing of subsea valves can lead to operational issues, downtime, increased maintenance costs, and even safety hazards and environmental damage. Effective management is, therefore, critical in preventing these issues.

ValveTrack is an application that simplifies the management of subsea valves by providing a single source of truth for valve operations data. It streamlines intervention workflows, reducing the risk of maloperation and excessive torque. ValveTrack also enables operators to receive real-time input data from intervention companies, ensuring quick and informed action. The platform's intuitive design contextualizes all data, allowing operators to manage their valves more effectively.

## Key Features

- Plan and execute valve operation in a consistent workflow using the valve operation planner tool
- Contextualize additional information about the valve directly (documents, specifications) or to a specific valve operation (torque tool calibration certificates, ROV images)
- Access historical information about the valve through the digital logbook, resulting in safer and more efficient operations
- Track a valve's operational parameters, such as torque evolution over time, in interactive dashboards to trend and diagnose performance by valve type, size, location, supplier and more
- Interactive P&IDs for easy visual representation of the valve status

## System Architecture

The architecture behind 4insight® is designed to receive and compute large amounts of data, unlocking the true potential of the data to ensure the best possible decision support for operators. The service contains Digital Twins of the assets and helps operators improve data quality and manage the ownership, security, sharing and use of data, while at the same time reducing operational costs and risk. 4insight® is a multi-tenant solution residing on Microsoft Azure.



4Subsea is a leading provider of technology and services that help operators optimise energy production from subsea oil & gas fields and offshore wind farms. We combine domain expertise with data analytics and digital services to maximise lifetime of assets, reduce operational cost and optimise future projects through data-driven design.

The company was established in 2007 and clients include the major energy operators as well as the large suppliers of subsea equipment. 4Subsea is headquartered in Asker, Norway with additional offices in Bergen, Kristiansand, Stavanger, Rio de Janeiro, and Aberdeen. 4Subsea is a company in the Subsea 7 Group. More info at [www.4subsea.com](http://www.4subsea.com).

**4Subsea - Share ideas, move forward**

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