

Delivering Critical Decision Support to Energy Providers

Subsea Expo - Integrity and Inspection
ValveTrack

What is...

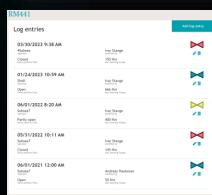
...the WORST possible outcome in valve operations?

And how do we get there?

What is ValveTrack?

- A user-friendly subsea valve management application.
- Transforms the way EPCI and operators collaborate.
- A system that leverages quality data to avoid maloperation of subsea valves, ensuring smoother, safer and efficient subsea operations.





Why ValveTrack?

Current process is prone to error at multiple points. In general, pre-com requires:



Plan valve operation. Prepare/amend and send procedures





Find valve status from previous tracker spreadsheet (could be years old...)

EPCI Contractor



Perform valve operations and Log valve operation data



Prepare and send valve log to Company in project format

Operator



Store approved valve log in Company folder for final documentation





Add valve log data into master tracker spreadsheet

Version Control Issues

Untrusted master sheet

Poor data quality may lead to maloperation

The ValveTrack process

Get instant access to complete valve overviews and details where status logs, history and plans are instantly updated across the platform for all users.













Contractor

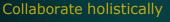
ValveTrack integration with digital twin and/or SAP (or similar) will allow for smoother administration processes and valve operation workflow to Contractors.



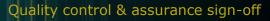
Contractor gets the latest up-to-date valve information from ValveTrack. They update the new information live during valve operation missions.













ValveTrack Key Benefits



- Automate and simplify the offshore workflow; saving vessel and engineering time and costs.
- Optimize valve planning operations and execution during pre-com projects.



Operator

- Reduce risk of maloperations and loss of production.
- Using the same system to share and capture data independent of contractor.

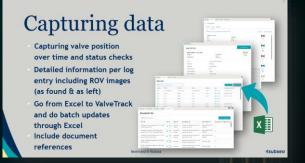


Both

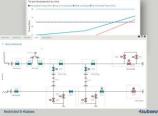
- Get a seamless handover from project to operations.
- Simplify information handover on crew changes.

ValveTrack Process

Planning operations Planning valve operations with conditions Signing off for quality control

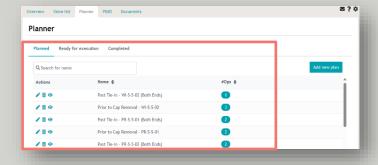




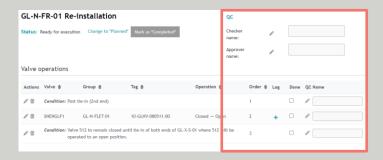


Planning operations

Planning valve operations
 with conditions



Signing off for quality control

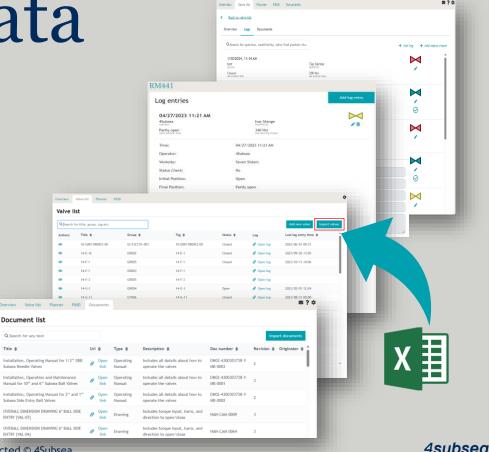


Capturing data

- Capturing valve position over time and status checks
- Detailed information per log entry including ROV images (as found & as left)
- Go from Excel to ValveTrack and do batch updates through Excel

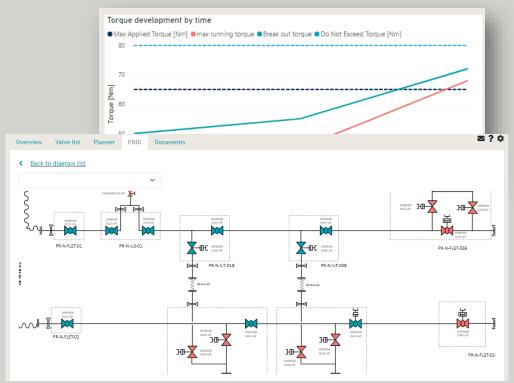
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Include document references



Getting the overview

- Track valve performance through life-of-field
- Applied torque over time
- Interactive P&IDs give live valve status and easy access to specific valve information



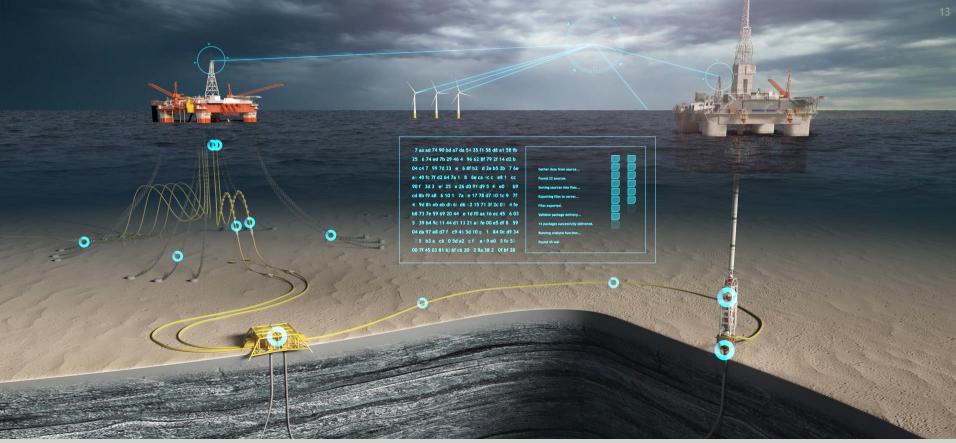
Seamless transition from execution to operations

- Contractor's engineers generate valve data from design to commissioning to operation
 - Real-time visibility of valve status throughout offshore campaigns, enabling safer operations with the most recent data to take better and more informed integrity decisions.
 - → Current Projects:

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| Yggdrasil | Hanz | KEG | Tyrving | Valhall | CLOV Phase 3 | Bacalhau | Agogo |
| Ormen Lange Phase 3 | Barossa | Sangomar | Scarborough |
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 Operator's operations engineers can leverage structured valve data to plan intervention campaigns and avoid valve maloperation, increasing safety, integrity management and life-time return on investment on their assets.

When is the BEST time to start with your digital valve monitoring?



Contact us for more information:

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