

FlexTrack™

No more worries related to flexible lines



FlexTrack™ is a collaboration solution designed specifically to manage and process information regarding integrity management of flexible lines and umbilicals. Being based on big data collection and analysis, FlexTrack™ reduces the time spent on integrity assessments from weeks to hours.

4Subsea offers products, services, and software related to flexible pipes, umbilicals, and ancillaries used for subsea operations. The FlexCare™ Integrity Management service contains **Annulus Vent Gas Monitoring (AMOS™)**, **Portable Annulus Tester (PAT™)**, **Riser Repair Clamp (EPIC™)**, **Flex-Track™**, **FlexIns™**, and **Untethered Pipe Inspection Tool (UPIT™)**.

KEY BENEFITS

- Provides easy access to both design and operational data, enabling better decision support
- Gives access to a team of experts
- Enables control of high risk failure modes through continuous processing of dynamic data
- Secures early warning of progressing failure modes with high confidence trending of performance indicators
- Gives valuable input to life extension
- Improves ability to make operational decisions quickly and confidently




Information Control for Better Decision Making

Integrity management of flexible lines and umbilicals involves several technical disciplines and sources of information. The data basis for the integrity status is often stored and managed out of context in different software systems, which makes the information scattered and inaccessible. As a result of this, status assessments are based on batch processing and review of data with 6-12 months' delay between evaluations.

Live Data Management

We believe that having well documented data managed in a context based and live system can be the single most important issue in demonstrating integrity. That is why we offer FlexTrack™ as part of our services. The solution has been actively used by 4Subsea on all integrity management projects since 2008 and is central for e.g. Shell Norway to keep track of their flexible pipe system.

Runs on Microsoft Azure

FlexTrack™ is part of 4Subsea's digital platform and runs on the Microsoft Azure platform (PaaS), utilizing Azure's scalability features to the full - from compute resources to storage and global scalability by utilizing Microsoft's data centres around the world.

Key Features

- Utilisation of 4Subsea's digital services federation as secure access within the organisation (already in use by Shell, Statoil, GE, FMC, Sintef, and AkerSolutions)
- Interactive field layout
- Intuitive and context based dashboards powered by Microsoft PowerBI embedded
- Live pressure and temperature data for the lines
- Historic timeline for the assets

"In this solution we have access to technical information and expertise when we need it, since the engineering expertise is built right into the system"

Senior Subsea Engineer Arild Nybø in Shell to Norwegian tech magazine Teknisk Ukeblad in 2013. [Click link](#) to read full article.

4Subsea is a Norwegian technology company specialised in production riser systems and subsea well systems. We deliver solutions to maintain production from subsea oil and gas fields, enabling cost reduction and increased service life of existing installations. We also provide our specialist services within offshore wind turbines and wave power systems.

4Subsea combines expert knowledge and practical experience with software and instrumentation to optimise operation of production risers and subsea wells, aiming to be in the forefront of digitising the oil and gas industry.

The company was established in 2007, and clients include all the major oil and gas operators as well as the large suppliers of subsea equipment. 4Subsea has offices in Oslo, Bergen, Kristiansand, and Trondheim.

4Subsea - Share ideas, move forward

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