4Subsea is a leading expert on structural assessment and advanced analysis of flexible pipe damages and failures. We help operators maintain safe operation and reduce operational downtime. 4Subsea develops and refines analytical tools and methods based on extensive accumulated experience.

4Subsea offers a wide range of engineering services related to risers and flowlines, umbilicals and power cables. We cover all life cycle phases, starting with technology development and conceptual design through FEED and detailed design, procurement, construction, installation, operation, and decommissioning.

**KEY DELIVERABLES**

- Structural capacity of flexible pipes, considering anomalies by performing advanced finite element analysis (2D & 3D fully non-linear)
- Modelling as-built geometry and material with observed damages
- Planning and execution of full- and small scale test of flexible pipes
- Planning, execution and evaluation of material tests
- Root cause investigation
- Operational feedback
4Subsea is a leading provider of technology and services that help operators maintain production from subsea oil and gas fields and offshore wind farms. By combining expert engineering competence, practical experience and a digital service, we ensure the integrity of assets all the way from reservoir to deck.

We deliver solutions on a unique digital platform, aiming to be in the forefront of digitising oil, gas and offshore wind operations worldwide. 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.

Click here to view a short video of our solutions and offerings.

4Subsea - Share ideas, move forward