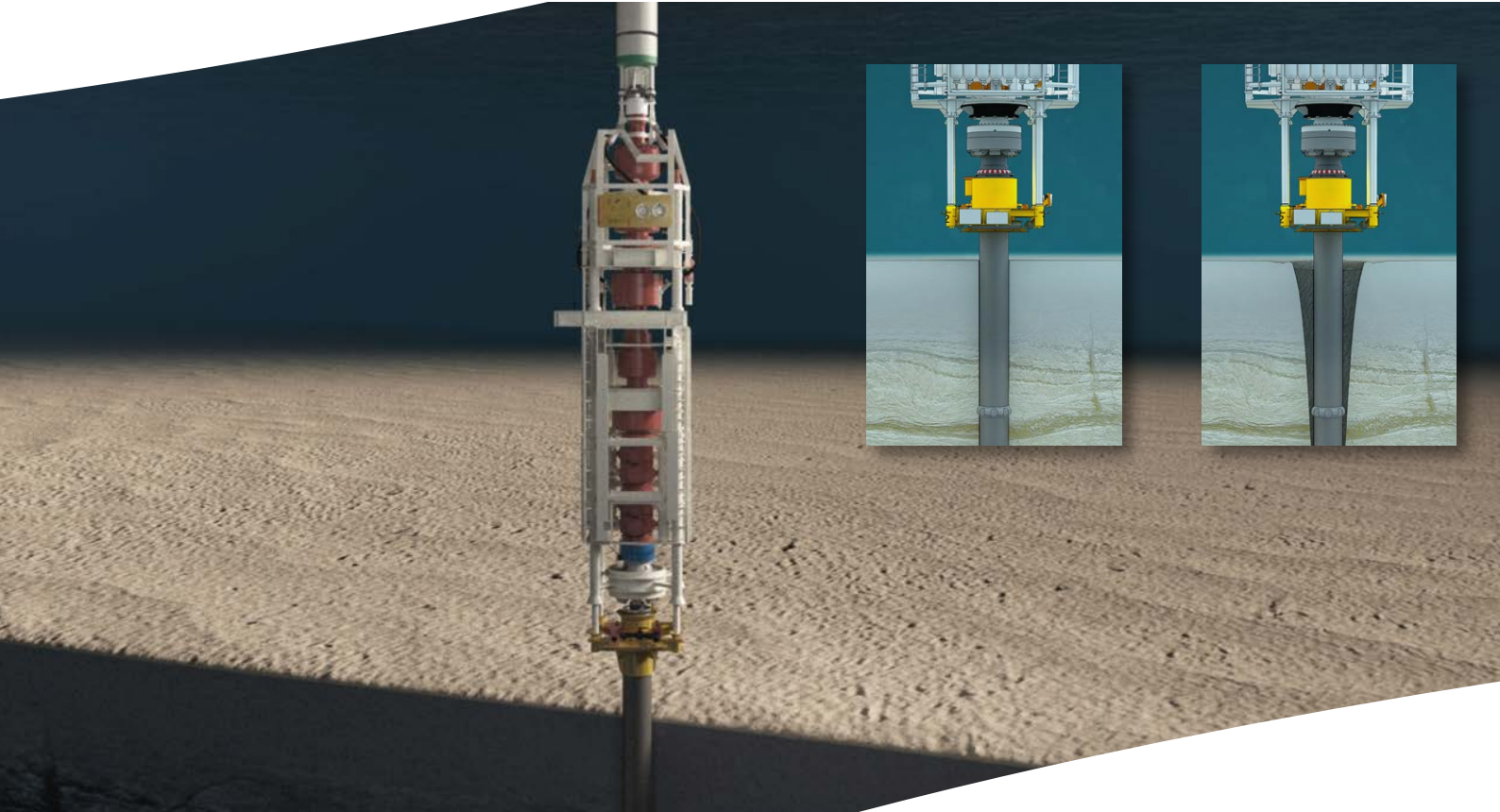


Conductor Analysis

Document well integrity to increase lifespan of your wells



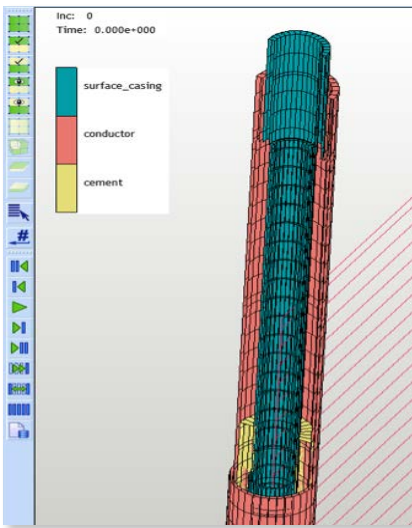
4Subsea's conductor analysis documents that the conductor can maintain required integrity during the entire lifespan of the well. By tailoring the analysis to the specific rig choice, well location and design, we reduce cost by maximising the operational window and avoid oversized equipment.

4Subsea offers drilling and well intervention services to extend the life of producing wells. We help operators perform offshore drilling, completion, and intervention operations safely and efficiently. The Well Intervention and Drilling range contains **Subsea Wellhead Integrity Monitoring (SWIM™)**, **WellTrack™** and **Conductor Analysis**, in addition to advanced **Engineering Services**.

KEY BENEFITS

- Ensures compliance with regulatory requirements* and NORSOK
- Highlights potential issues early and limits costly late minute design changes
- Provides concrete advice on possible changes in well design/operation procedures as mitigating actions
- Gives easy access to results, presented as interactive plots in a web solution

* On the NCS: Innretningsforskriften (Facility Regulation)



The Importance of the Conductor for Well Control

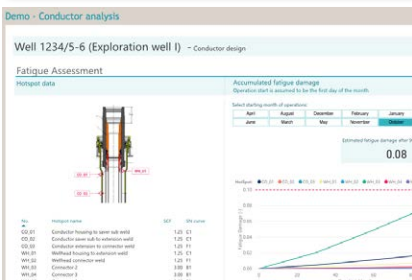
The conductor is the main load bearing component in a satellite well, typically drilled for exploration or appraisal purposes. In order to have control of the well, it is crucial that the conductor retains its integrity at all times. Primarily during the entire drilling campaign, but also in the case of an accident, such as loss of position or if a capping stack needs to be installed.

Both Load and Resistance

The conductor behaviour is dependent on a range of parameters. Waves and vessel motions govern the loads applied to the well; the well resistance is dominated by soil support and the strength of the well components. Our conductor analysis efficiently takes care of both the load and the resistance side, and investigates uncertainties in input when relevant.

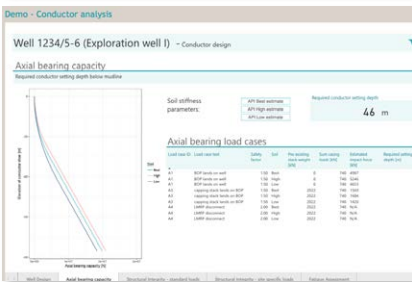
Insights on a Digital Platform

By presenting the main results on our digital platform in addition to the traditional report, the consequence of well design choices or time of operation on the operation limits and service life are visualized in a clear and easy way. This also enables you to update the results based on actual well stick-up and inclination after installation.



Key Features

- Assesses the wells ability to withstand both extreme loads and fatigue loading
 - Axial bearing capacity assessment: optimisation of required number of conductor joints
 - Structural capacity evaluation: verifies ability to withstand static and dynamic riser loads
 - Soil capacity evaluation with respect to loads imposed by conductor
- Conclusive assessments with recommendations on how to meet requirements, reviewed against operating guidelines.
- Interpretation of geotechnical reports and site surveys through partnership with Norwegian Geotechnical Institute (NGI)



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

Contact

+47 66 98 27 00
 contact@4subsea.com
 www.4subsea.com

Asker (HQ)

Hagaløkkv 26
 1383 Asker
 Norway

Bergen

Nordåsdalen 25
 5235 Rådal
 Norway

Kristiansand

Narviga 21
 4633 Kristiansand
 Norway

Rio de Janeiro

Rua da Quitanda 86, 2nd
 floor, 212A - Centro
 RJ 20091-005 Brazil

Macaé

Rua Sergio R Franco,
 Quadra 3 S/N - Macaé
 RJ 27932-354 Brazil

Aberdeen

440 Union Street
 Aberdeen AB10 1TR
 United Kingdom