

A high-angle, wide shot of an offshore oil rig. The image is dominated by large, yellow-painted metal structures in the foreground, which are part of the rig's deck or a platform. In the background, several large, red-painted vertical pipes or risers extend downwards towards the ocean. The water is a deep blue. A white rectangular box is superimposed over the center of the image, containing the word "Ridge" in a white, stylized, cursive font.

Ridge

Studies

In contrast to many of our peers, we have successfully grown a reputation for conducting independent technical studies of high quality. So far we have completed more than 80 technical studies and projects within a broad specter of activities related to drilling and well activities.

The client is provided with the best possible solutions to their challenges.





Completion Right Scoping

The Ridge *Right Scoping* process aids in selection of the highest value, lowest risk and most suitable completion design. Such work has been performed for several operators, including Maersk, Det norske, BP, Statoil, Eni and BG.





OPEX and Well Intervention

Together with ExproSoft AS, Ridge has performed several well intervention, OPEX and well reliability studies, for clients such as Maersk, Statoil, Dong, Det norske and Suncor.





Well Integrity

Together with ExproSoft, we are developing a Well Integrity Support Centre using WIMS and WellMaster. This will be a tool for improving well uptime, HSE while reducing risks and avoiding sustained annulus pressure build-ups.





Zonal Isolation and Life-of-well

Together with CURISTEC in France, we perform life-of-well cement integrity evaluations. CurisIntegrity is a software that simulates the five modes of cement behavior: inner micro-annuli, outer micro-annuli, shear cracks, radial cracks and disking.





Geomechanics

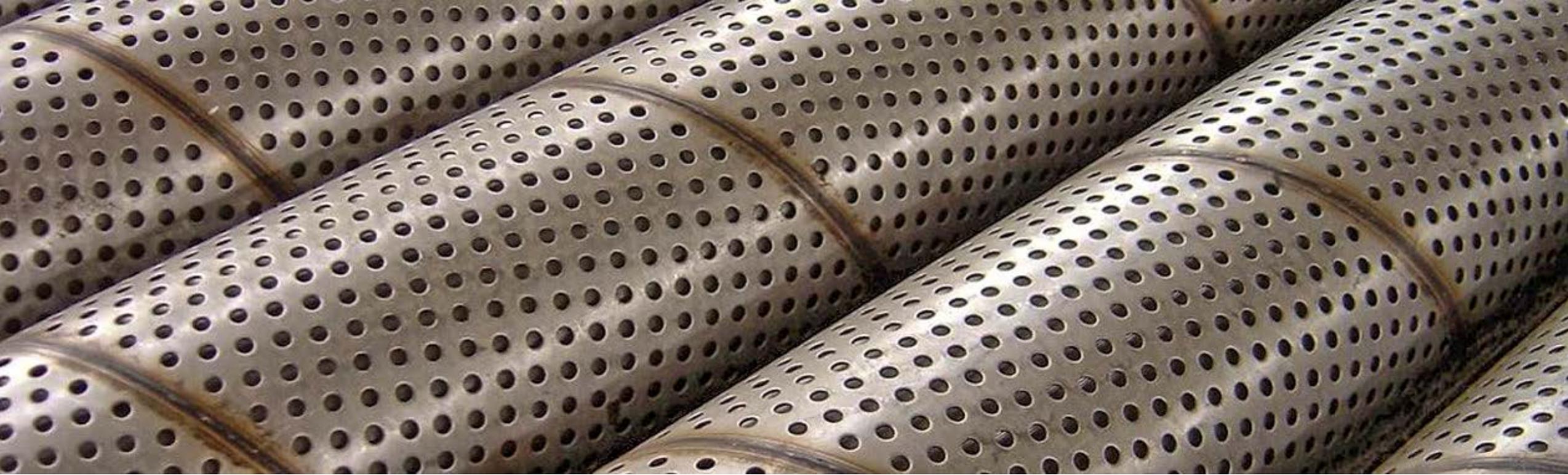
Together with GeoMechanics Technologies, we perform studies related to wellbore stability, sand prediction and out-of-zone injection using 3D geomechanical modeling. Such work has been carried out for several operators on the NCS, including Centrica, Suncor, Det norske and Wintershall.



RDF and Formation Damage

Ridge can perform formation damage studies with Corex UK. Fluid compatibility with formations and completion designs. Understanding the damage mechanisms. Filter cake design. Remedial treatments. All with the same goal of maximizing well productivity.





Sand Screen Testing

Selection of the most suitable sand screen, taking into account screen type and design, slot openings, sizes and overall completion design.



Inflow Control and ICDs

Improving well clean-up and evening out flow contribution from the lower completion for better reservoir drainage. Improving sand control and holding back unwanted phases. Negating the effect of suboptimal well trajectories, aiding completion installation and helping scale squeeze operations.



Flow Assurance and Well Clean-up

Initial unloading of well from well construction fluids. Ensure contribution from the entire well. Avoid plugging, lazy-toe behavior and bypassing sumps. Ensure filter cake lift-off. Avoid process problems (emulsions, foaming).



Torque and Drag and Buckling

Together with DrillScan in France we perform state-of-the-art T&D&B analysis, casing wear analysis, well path optimization and drill string management using proprietary specialized software.



Managed Pressure Drilling

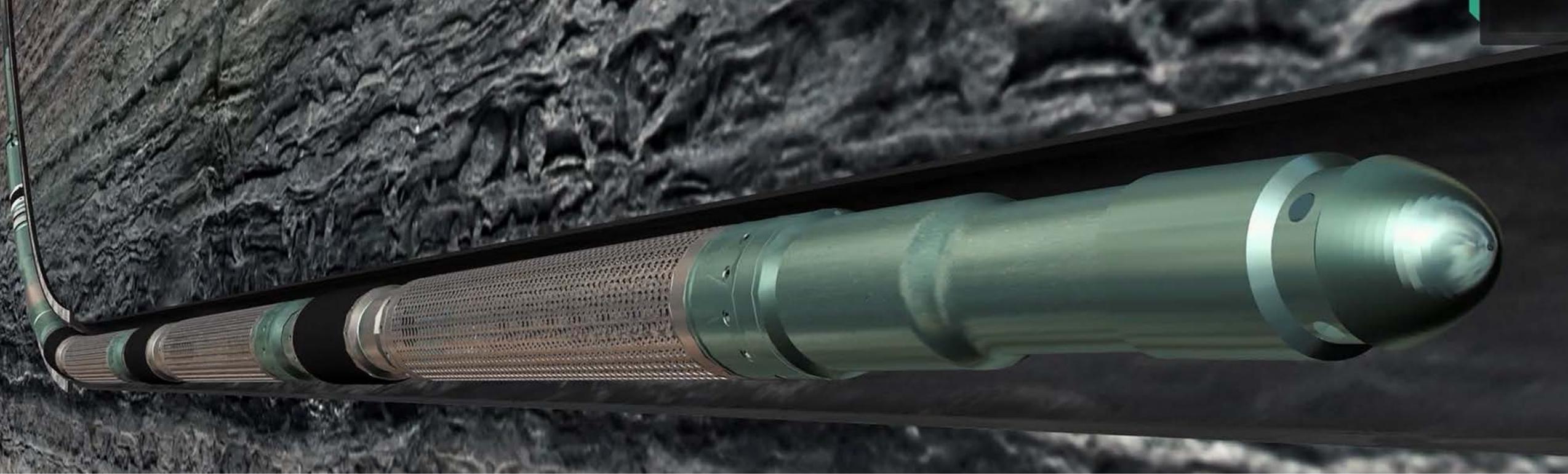
There are several MPD experts in Ridge and the Ridge Network. Planning and implementing MPD on Hejre (HPHT) and Valhall. Execution of MPD on Hejre, Kvitebjørn and Mandarin. Feasibility studies for Maersk Culzean and BP Valhall.



Independent Reviews and Examination

The greatest enemy of knowledge is not ignorance, it is the illusion of knowledge. Ridge has performed several reviews, workshops and due diligence tasks.





CWOP/DWOP

Visual, Interactive and Effective Operational Planning.
An interactive cloud based 3D software
Improved understanding, reduced time
and higher quality sessions that leads to
increased performance and lower NPT.





Contact Information

Jarle Veshovde

+47 404 13 254

jarle.Veshovde@ridge.no

Marlen V. Allen

+47 970 74 589

marlen.allen@ridge.no

Kontorveien 12, 4033 Stavanger

www.ridge.no



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feel better**

