



# Oliasoft WellDesign™

Company and product presentation

December 2018

## Who we are

### ❖ Our history

Oliasoft was founded in 2015 by experts from the oil industry and from software development. Our goal was to help the oil industry to digitize and become more efficient, safer and profitable. Oliasoft WellDesign™ is a modern Integrated Cloud Engineering (ICE) software package built upon solid practice from the oil industry and best of breed domain knowledge.

Oliasoft has grown fast and today we are a diverse team consisting of data scientists, drilling engineers and software developers. We have built an ambitious working culture where we share our knowledge and experience to reach our goal of developing tomorrow's software for the oil and energy sector.

## What we do

### ❖ Oliasoft WellDesign™ - Product Description

Oliasoft WellDesign™ represents the only native engineering package built from scratch in order to achieve a range of efficiencies through digitalization and fulfill authority requirements related to the drilling and well domain.

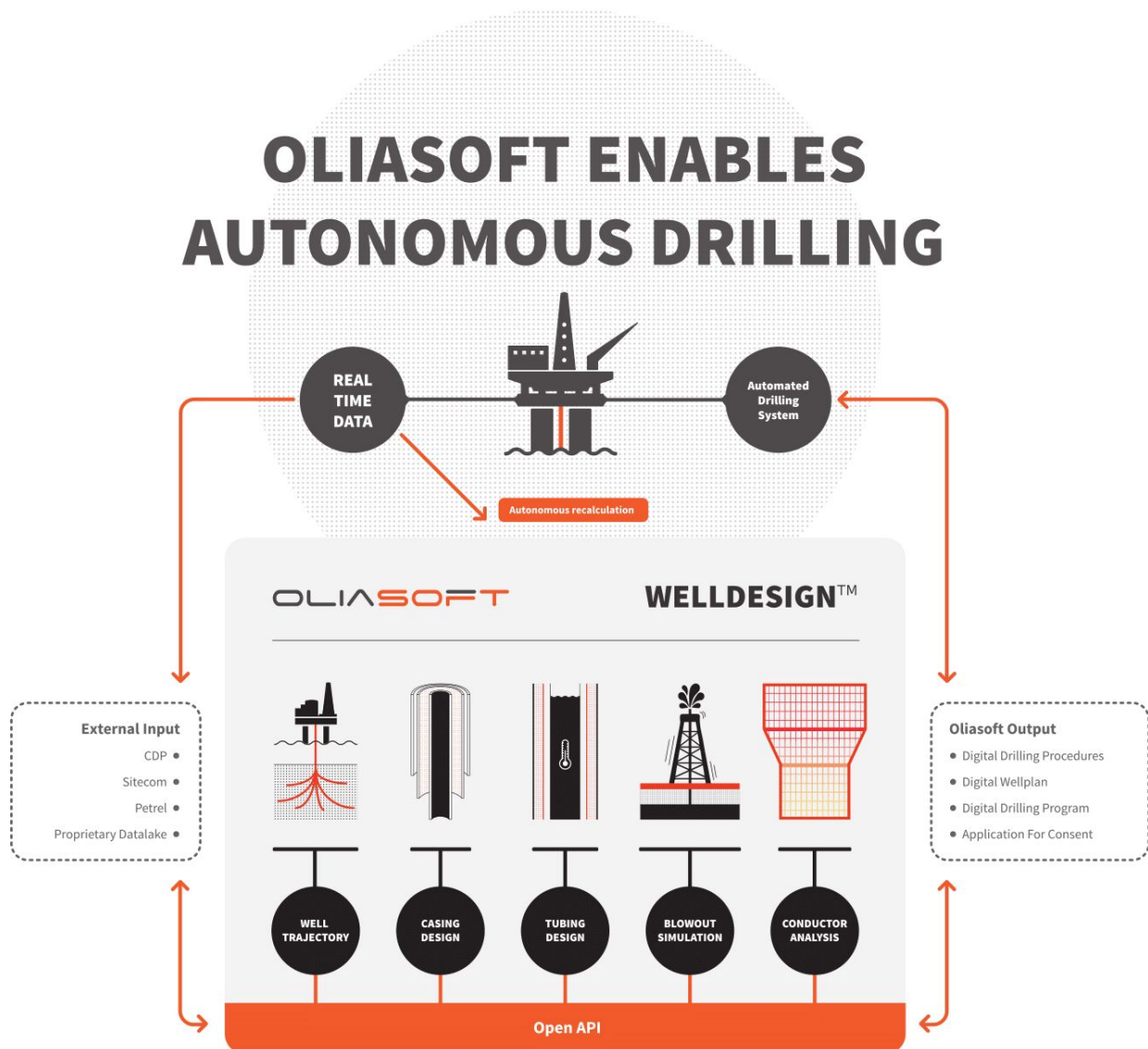
Oliasoft WellDesign™ is a complete well planning software for drilling engineers, covering all required calculations such as Trajectory Design, Casing Design, Tubing Design, Blowout Simulation and Conductor Analysis, all through a web browser. This solution doesn't require any installation or set-up support.

Oliasoft focuses on saving time and cost and optimizing the workflow during well planning and can be a real time tool used on the rig. The cloud-based web application makes it easy to collaborate and share work. Due to the integrated software solution, data is always updated and you avoid re-entry of information.

Oliasoft WellDesign™ include all necessary calculations in one integrated solution, it is possible to automate the entire well design process based on predefined rules. Companies can customize a set of rules on how they want the well design to be. This can be based on industry standards such as NORSOK and company specific rules that reflects the internal well design manual or similar. By using modern software technology, Oliasoft enables automated and optimized well design based on these rules. By using Oliasoft WellDesign™, drilling engineers will be able use their time on analyzing and assessing optimized designs, instead of manual input of data.

Oliasofts open REST API enables hooking on to real-time data streams from the drilling operation, which enables automatic recalculation and monitoring of the entire project

based on actual data This to ensure that you are always updated on the current well integrity status.



Oliasoft WellDesign™ can receive input data from other API based software and perform well design calculations based on this input. Results and output from Oliasoft WellDesign™ can be shared with external applications through APIs or be the basis for digital drilling procedure and a digital wellplan.

## How we do it

### ❖ Our technology

Oliasoft WellDesign is an Integrated Cloud Engineering platform for well planning and - construction, it utilizes networks and cloud computers for data storage and collaboration. It offers a set of application programming interfaces, enabling 100% automation, where whole or parts of the software can be operated by other computers. On top of this interface, Oliasoft WellDesign offers an interactive rich 2D and 3D human graphical user interface, utilizing the latest in web technologies.

### ❖ Strategic model - Partnership with leading academic institutions

Well design engineering is of great academic interest and several research institutions have developed improved calculation methods and simulation models, which can be applied to reduce over-dimensioning and design safer wells at a lower cost. Much of this technology is never commercialized and as a part of the strategic model, Oliasoft integrate the latest calculation methods and technology from these institutions into Oliasoft WellDesign.

As a result of this, Oliasoft can offer its clients new methods and features, while simultaneously offer institutions a route to commercialization and ensure application of their research - a win-win! At the moment, Oliasoft is working with the following academic research institutions in order to get the expertise we need to develop our advanced software.



## Our partners

### ❖ Verification projects

It is of high importance to Oliasoft to verify our product and validate all our calculations. To accomplish this industry verification we have started a full-scale verification process together with Equinor and Aker BP in Norway and Chevron in the US. They will test our entire software solution in all business units. This will give us the verification we want, as well as valuable feedback on what the industry is looking for.

❖ Petromaks2 project

In 2017 Oliasoft was 1 of 6 SMB in to receive the Petromaks 2 grant from the Norwegian Research Council to develop promising ideas and research for the oil industry. This project covers the development of an open IT platform that enables machine-to-machine communication to provide autonomous well planning and the R&D work needed to develop necessary simulation models and calculation methods. Oliasoft partnered with leading oil companies and research institutions to complete the project.