OVERVIEW

Lundin Energy Norway drilled the 16/1-31 S exploration well, and utilised AGR’s iQx™ reporting application, D2, to generate the detailed End of Well Report (EOWR).

This event marked the delivery of the first fully automated EOWR on the Lundin Energy Norway operated Edvard Grieg area. The Operator has now announced plans to roll out D2 across its well delivery process, on all wells going forward, as their new standard.

Location: Edvard Grieg, Norwegian North Sea
Delivery: 2019 –

THE CHALLENGE

Generally, when writing an End of Well Report, there are two commonly used alternatives; Microsoft Word or other applications such as, the Daily Drilling Reporting (DDR) system, both of which have their pros and cons:

PROS
- Freedom to tailor an individual template

CONS
- No auto-generated content
- Limited possibilities for collaboration between contributors
- Challenges with adding unstructured data - such as images, texts and attachments
- Time consuming
- Vulnerability to human error
- No tracking of versions.

Lundin Energy Norway faced challenges with their existing applications which required high amounts of time, manual input with no degree of collaboration and limited utilisation of data in future projects.

OUR APPROACH FOR SOLVING THE CHALLENGE

iQx™ D2 application provides a seamless link between data gathering and automated project delivery.

The intuitive task manager in the application allows multiple project-related disciplines to work simultaneously on inserting data to future EOWR throughout the project. As a result, Lundin Energy Norway was able to allocate responsibilities to cross discipline team members and follow up on the progress of finalising the chapters. This led to less time consuming working method and improved sharing of experiences and knowledge while these were still fresh in mind.

Additionally, D2 can be connected to external sources such as, DDR systems, through an open API. Lundin Energy Norway could feel confident that the project specific data was consistent and reliable. Their drilling team worked with qualitative data sources avoiding unnecessary repetition.

Lastly, Lundin Energy Norway could complement the automatically pre-inserted content by adding documents, files and rdata whilst the drilling was still ongoing.

Once the report was completed, all the experiences and well-related data were stored for future projects. With extensive search functionality, iQx™ supports the engineering teams in capitalizing on learning from the past and making far more informed decisions for future projects.
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WHAT VALUE DID iQx™ BRING TO THE CLIENT?

- Room for human error reduced by automation
- Significant reduction in time required for compiling, managing and delivering EOWR
- Greatly improved the possibility of knowledge transfer
- Facilitated collaboration between external and internal project disciplines
- Improved the quality of data presented in EOWR
- Easy to capitalise on the historic qualitative data when planning for future projects.

KEY ENABLERS DELIVERED BY iQx™

- Automated and instantaneous generation of EOWRs
- A single centralised library, which facilitates the flow of project-specific data across disciplines
- Standardised, up-to-date content throughout the project delivery process
- More qualitative reports facilitating continuous improvement in processes
- Knowledge transfer for future operations
- Enhanced collaboration
- Direct integrations with existing source-data generating systems.