REAL-TIME DATA RIGHT IN THE PALM OF YOUR HANDS

SiteCom® is a real-time data aggregation and visualisation solution for all phases of well construction built on the industry standard WITSML. It is designed to allow distributed teams to make drilling and well construction decisions based on the most up-to-date information to help prevent the chance of any non-productive time (NPT).

This repository solution enables on-line archiving of real-time data and the information derived from it enabling rapid play-back for post-well analysis based on historical and real-time databases. Our SiteCom solution provides an invaluable resource when planning new wells even if the adjacent wells were drilled many years ago.

AN OPEN, INDEPENDANT SOLUTION

SiteCom is intended to be an enterprise infrastructure to access real-time tools ensuring the best decisions can be taken effectively when plans have to change. The infrastructure has the flexibility to allow you to plug in your chosen third-party tools and modules in a truly open solution, always utilizing the same core infrastructure.

As a solution that offers operators independence from the service companies, standardised workflows are developed for all operational key performance indicators from drilling and well construction regardless of which service you choose on any operation around the world.

MANAGED HOSTING

The KONGSBERG SiteCom solution gives you the ability to not only access real-time data, but to securely receive it with a low daily cost by reducing your hardware and personnel on the rig. Our highly scalable and configurable managed hosting model will provide you 24/7 centralised application support, fast and simple deployment, and IP acceleration helping to:

- Reduce cost and simplify deployment
- Enable faster WITSML uploads
- Optimize bandwidth, saving 50% on WITSML traffic
- Deliver Internet content up to 8X faster
- Offload 45-75% of compressible internet traffic
- Ensure superior QoS for satellite communications
- Enable real-time monitoring of the connection

KONGSBERG is an international corporation that offers high-technology solutions to help ensure safer, more efficient operations under extreme and complex conditions. The Group is a world-wide knowledgebased organisation with a well organised performance culture.

KEY FIGURES 2015 KONGSBERG

7 688 EMPLOYEES
MORE THAN 25 COUNTRIES
83% OF THE REVENUES FROM OUTSIDE NORWAY

DISTRIBUTION OF REVENUES 2015

SITECOM BENEFITS

- Enhance operational decision making
- Enable collaborative problem-solving
- Reduce the number of operation and vendor-specific point solutions for data aggregation, transmission and displays
- Enable preventive processes in real time to minimize disruptions to operations
- Embed standard operating practices into a real-time monitoring and advisory solution
POWERFUL WEB INTERFACE
SiteCom Discovery™ is our powerful, flexible yet highly intuitive web interface connected to the SiteCom® data hub. As the “front-end” interface, SiteCom Discovery is the most advanced visualisation tool on the market for monitoring Drilling & Evaluation (D&E) activity and recalling data. All SiteCom® D&E data, from raw and calculated curves, static objects such as lithology and BHA, and LWD images to SiteCom® generated analysis, trends and KPIs are made available in a user-friendly manner via a standard desktop web browser.

SiteCom Discovery includes a 3D display that shows current, historical and planned wellbores. All parameters that can be displayed as 2D logs, images or lithology columns can also be displayed simultaneously at the correct depth along the axis of the wellbore in real-time.

User-defined ‘layers’ allowing the viewer to easily represent formation tops or fluid contacts, caliper-based wellbore profiling, ellipses of uncertainty and offset measurement can also be displayed to provide a ‘bigger picture’ view for applications such as parameter correlation, geosteering, planning, and collision avoidance.

DECISION SUPPORT
SiteCom® Well Advisor is a real-time advisory solution for well operations developed in collaboration with BP. Built on the existing SiteCom core software, SiteCom Well Advisor takes real-time data management to the next level as a decision support system integrating data with predictive tools and processes. This supports the delivery of the right information to the right place at the right time allowing for more informed decisions during critical operations.

Designed as a user-friendly series of tools, SiteCom Well Advisor addresses the challenges of a drilling and completions environment allowing your operation team to focus on enhancing safety and operational integrity while helping to significantly save cost.

The extensive development and cooperation over several years by KONGSBERG and BP has evolved the Well Advisor project into a complete series of well construction efficiency, operational safety and life-of-well reliability solutions. These solutions aid in predicting and avoiding operational problems, forecasting equipment failures, minimizing non-productive/invisible lost time and optimizing tool life.

SiteCom Well Advisor is delivered through web-based consoles where each console addresses a specific aspect of well construction activity. Processed algorithms, innovative displays, and online analysis integrating pre-well planned information with real-time data are incorporated to make best practice equally accessible across the entire organization from rig to onshore operations and offices.

The SiteCom Well Advisor solution effectively demonstrates how the use of real-time information in drilling operations can drive efficiency improvements yielding a high return in terms of cost savings versus capital investment to deploy the technology.

DATA QUALITY
Early in the Well Advisor project, trust and confidence in the data was identified as an essential requirement. SiteCom® Monitor is used to analyse the quality of your data. It monitors the real-time data stream from other consoles deriving the input and alerts engineers to potential loss in data quality.

To learn more about our SiteCom solutions, contact your local KONGSBERG representative or visit the website at www.kongsberg.com/mdi.