



# Drilling rig data acquisition

Xthera's Intelligent Subsurface Data Acquisition. Measure accurate real time downhole and drilling data while RC drilling and upload live to the cloud.

Functional Description Sensors, instruments and measurement section covers the strategic development of downhole and surface sensors, instrumentation and measurement ...

Robotics Drilling Systems (a Nabors-acquired company) Prior to acquisition, this company developed robotic systems for automated drilling ...

TM, is the premier supervisory control and information solution for drilling operations. By design, V-ICIS is a high-availability system that centralizes the monitoring, command, and ...

Drilling Measurement, Data Acquisition and Automation Electronic capture of drilling and well-services operations and equipment data provides significant value to engineers involved in ...

Abstract. We present an integrated, automated analysis workflow that can be performed in real-time where collected data populate templates while drilling (every 90 ft.). ...

Abstract. In recent years, oil and gas Drilling and Workover (D& WO) operations have grown significantly and as a result produced huge amount of data. Today, modern rigs ...

These systems transmit data from the rig to remote monitoring centers. They use various communication technologies, including satellite, cellular, and internet ...

Beside data acquisition with own sensors, we are able to receive and process most sensor signals from the drilling rigs itself (modbus TCP-IP, SPS S7, ...

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Data acquisition system for drilling rigs. Real-time surface parameters. Target Application: Work-over rigs, Land rigs, Offshore drilling rigs Description: The ...

An ever-increasing amount of data acquired on the rig, including multiple data types from multiple sources, needs to be aggregated in real-time for rapid analysis in your software platform. To ...

Elevate your drilling rig's performance and efficiency with Monitor Systems, an industry leader in



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cutting-edge drilling Data Acquisition Systems (DAQs). We ...

To address these challenges, this study developed a smart drilling rig and established an automatic data acquisition system. A novel method for data acquisition, ...

The design of the front-end data acquisition system is equally important. Its construction must withstand punishment from the rig environment, weather, and drill-floor personnel. The ...

Halliburton's surface data logging services Ensures you get the most accurate information from your well, so you make better drilling and geological decisions, faster. With real time data ...

Rig Data Acquisition Systems A rig data acquisition system (DAS) is essential for monitoring and optimizing drilling operations. Here are the key components: ...

Raw data entering the mud logging unit from the sensors are fed directly to the DL-DAS (Drill-Lab Data Acquisition System) or other data acquisition system, where data are processed and ...

RIGS(TM) consists of sensors on the rig and ancillary equipment that gather data metrics such as pump rates, pressures and volumes, weight, depth and torque. Operational ...

There is a need for a data acquisition system that can be used on different drilling rigs and for an automatic data analysis procedure. In this paper, we focused on the automatic detection of ...

So a complete set of drilling data acquisition and processing system was indispensable for deep well drilling, which could assist to identify the bottom-hole conditions, ...

A digital twin framework for gear rack drilling rigs is proposed, built upon an understanding of the digital twin composition and characteristics of the gear rack drilling rig ...



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