

DataServer

Cloud-based Storage and Management System for Well Data

DataServer manages and streamlines the lifecycle of captured well data to maximize the investment in well monitoring and visualization equipment and software.

DataServer is a database-driven application that is used to import and fully manage Optical Path, DxS, Log and Point Data.

Visualization and modelling tools such as FloQuest and other third-party applications are able to connect to the database and effortlessly visualize the data contained within.

DataServer complies with the standards defined by Energistics for optical path description, this information along with changes to the path or fiber are noted and recorded in the system. This enables the history of the optical path and accompanying installed equipment to be recorded.

DataServer aims to minimize any bottlenecks that can potentially exist when moving data around large and complex networks and sharing data with multiple users.

The autonomous nature of DataServer is ideal for Smart wells with permanent DxS and/or gauges installed, requiring minimal setup and unmanaged regular uploads of data from even the remotest of wells.



Features

- Plug-in architecture for industry standard and custom data formats
- Secure centralized system
- Integrates with FloQuest
- Highly scalable and efficient data storage
- Customizable role-based data access
- Application and operating system security integration
- Web-based user interface
- Automated data import scheduling

Benefits

- Saves valuable time by automating well data
- Provides easy access to well data from virtually anywhere
- Simplifies data integration between multiple applications
- Improves well data integrity
- Preserves access to historical data
- Adds secure authorized access to data
- Helps eliminate data replication throughout the enterprise
- Provides powerful data search and retrieval capabilities
- Enables simplified sharing of data when required

Compliant with standards as defined by:



Data Upload and Validation

Dual levels of QA/QC are applied to validate uploaded data and warn of corrupt or erroneous data upload.

- Level 1 Checks the file is intact and hasn't been corrupted in transit
- Level 2 Applies confidence rules to the raw data. Confidence rules are a set of conditions that data must meet to check its validity

Big Data

DataServer can handle Big Data needs in terms of volume, variety, velocity, variability, veracity and complexity.

Web-based User Interface

The software is easy to install and works with all HTML5 compliant web browsers. Authentication is handled utilizing Microsoft Windows or application specific security credentials.

Inventory Management

Monitor the equipment in the field so that full inventory management can be undertaken on existing and past equipment.

Business Model

DataServer can either be deployed as fully-hosted software as a service (SaaS) or can be delivered to the client's local server. The flexible business model of the hosted service allows the ability to only pay for the amount of data that is required at any given time. The commercial model allows for fields from 1 to 100s of wells with data storage requirements remaining flexible as the field matures.

The hosted service provides the client with full control on who can use the system. With an easy to access web login (from any-web enabled device), it allows all users to verify that the DxS data is being created and stored as required.

Well Related Documents

The ability to store well-related documents such as completion schematics, location pictures, etc. makes it easy to share between team members.

Integrate Quest into your Wells

Quest software uses industry-standard communication protocols to facilitate the smoothest connection within the enterprise and provides integration with historical datasets, current databases and other third-party applications. Dynamically-generated charts can be pasted directly into Microsoft Office packages such as word, Excel and PowerPoint to add graphics to reports and presentations. Data can be exported into Excel for manual manipulation.

