

GLAIVE BY DRILLRIGHT TECHNOLOGIES

Sector

Oil and gas drilling software

Problem

The oil & gas drilling software tool allows drillers to track and manage all the details of any well site and provides managers viewing and management tools for multiple wells, yet with no one central system to manage business at the office and drill site and no connectivity and Internet access, the process was often disjointed and time intensive.

Solution

Streamline and improve the process with one software solution to manage multiple sites from one central source. Create an enterprise-wide drilling software to be smarter about how to drill predictive drilling, readjust predictions and allow manual work into one system back to the central office.

Technology

- A rich client interface that is easy for anyone to use
- Partially connected software, allowing the capability of both online and offline modes to facilitate remote well sites and poor connectivity.
- Web interface for managers to view and manage all wells
- Robust historical reporting across all well sites
- Three-dimensional well pathing system

Capabilities

- Client-based, partially connected syncing technology
- Rich client interface with advanced graphing technology
- Advanced three-dimensional calculations

Technical Details

Partially Connected Synchronization Engine – Because of the nature of directional drilling, wells are often in remote locations with intermittent or no connectivity. To facilitate this challenge while still providing a data feed back to the central office as often as possible, the software was created to keep a local data store and synchronize whenever a connection is present. This engine feed data both to and from the central office data store.

Custom USB Key Based Security – To increase the secure access to sensitive data on the well site a USB key based security system was created. This system creates a custom hash using a secure application in the central office to make a personal key per user.



One Click Deployment and Zero Click Updates – Installation and upgrades to the software needed to be seamless to facilitate the dispersed nature of the employees using it. To allow for this a one click initial installation system was used allowing a user to simply click a URL to download and install the software. When software updates are published, the end user will be prompted to automatically update the application. This proved Drill Right with an easy to deploy, easy to updated application.

Results

More jobs, better decisions and tracking inventory more accurately and efficiency

Explore

The software is proprietary, but to find out more about Sonic, go to www.drillrighttechnology.com.

