



Improving Business Efficiency With Remote Data Capture

Using software, data design and business process to remove the barrier to valuable data

Overview

Existing software systems are no longer meeting the needs of the business, with additional manual processes becoming ineffective as the company grows. The entire process flow based around the electronic wellhead information capturing system has become very inefficient. Raven Bay was tasked with identifying high level issues, streamlining the business workflow and developing solutions for software updates.

Industry: Transportation, Oil and Gas Services
Location: Sundre, Alberta
Size: Approximately 100 Employees

The Challenge

Current work flow results in duplicated work and delayed data entry, creating scheduling issues, inefficiencies and increased risk. One major issue is well site testing requiring manual phone entry of data, and the data not being readily available to other users. Tracking all safety data in spreadsheets puts the company at risk of shutdown in the event of a regulation or safety infraction. Lack of reporting also negatively affects decision making.

Company Bio

The company specializes in the handling and transportation of fluids related to all sectors of the Oil and Gas Industry.



Real-time data access

50% Reduction in manual workflow steps



Modern architecture

The Solution

A software solution was developed for capturing accurate data onsite and synchronizing with other systems for real-time data access. Databases were refactored to increase performance and scalability while decreasing future maintenance and allowing for long term auditing. New reporting options were implemented to provide trending and predictive analysis of data.

The Results

With the implementation of this multi-pronged approach of software updates, database improvements and new process flow charts, business work flow has been greatly improved. Significant time is saved, errors and redundancy are reduced and decision making is improved.

- **Data integrity is ensured by eliminating multiple points of entry and built-in data validation on user interface.**
- **Self-serve reporting options save time and cost for retrieving data required for better decision making.**
- **Real-time visual cues of testing requirements allow for improved onsite efficiency.**



About Raven Bay

As a full-service management consulting and analytics firm able to deliver solutions in both the business & technical realms utilizing the same set of resources; thereby shortening delivery timelines and providing more holistic solutions for our clients. Our proven methodologies & hands-on experience enabling organizations to achieve the benefits of an effective analytics program through this offering also accelerate the development & value realization of the unique Governance Model we will create for you.