



Overview

Our client is an industry pioneer in Oil & Gas exploration and one of the world's leading specialists in tight-gas production. They had embarked upon a multibillion dollar project in Middle East. The stakes in the project were very high as the project was of national significance and hence there was no room for any kind of errors or assumptions which would cause undue delay in the successful commissioning of the project within the budget.

Solution Highlights

- **Key Modules** - Well Data Capture, Decision Support Packages (DSP), Statement of Requirements (SoR), Workflow Management and Dashboard/Reports
- **Telerik RadEditor Tool** - Highly extensible, user friendly rich-text editor (WYSIWYG - What You See Is What You Get) with HTML formatting features for Wells Drilling Content Management Report
- **Using Single Sign - On** feature for AD authentication based login and role authorization
- **Notification Indicator** (Facebook styled notification count) to intimate users about their tasks in queue for next action



GAVS enhances productivity for an Oil & Gas major in Oman through a data-driven new well planning & commissioning system

The Situation

The client was sanctioned to involve in drilling around 600 wells over a long term period in Oman. Well Planning data is the primary-reference & backbone for drilling various oil & gas wells. Therefore it is imperative for the client to have a tool to capture & publish Well Planning Data in a comprehensive report that enables various well-drilling.

After careful examination of multiple options, GAVS was selected to design, develop and implement a new system to automate and manage the end to end processes related to "Well Planning". The core objective of the system is to be the single source of truth of all data & information related to "Well Planning" which people could use any time.

Key Business Objectives

- **To transform into a "Customer Success Centre"** by finding, developing and producing sources of energy such as crude oil, refined products, natural gas, and liquefied natural gas to the world
- **To help keep the world's energy moving** and creating a colossal picture of our client to global energy markets

The Solution

- **Robust 'Well Planning' System** aligned with business, having the ability to manage and process large-volume data critical for planning a new well
- **Reliable, scalable, flexible and secured information system** built using cutting edge technologies (Microsoft ASP.NET Web with Entity Framework and user friendly interface using Rad Telerik controls)
- **Optimizing and streamlining the well planning process** by automating electronic multi-level approvals and documents uploading / downloading through centralized SharePoint document repository
- **Multi-dimensional view of wells** for site engineers through comprehensive dashboards and reporting solution with self-help features
- **Transparent reports creation aligned with business** through structured workflows covering stakeholders backed by alert mechanisms
- **Scalable & flexible system** aligned with business in a modular framework with rich interfaces for other well planning and enterprise systems
- **Secured system with role-based access** to reports/data, authorization mechanisms and governance aligned with client's business

The Benefits

- Centralized trust worthy data repository for subsurface & reservoir team to manage new well's information
- Improved confidence index of the site engineers with clear and structured process and accurate information
- Efficient Workflow Management accelerated the Well Planning to Well Drilling stage through
 - Streamlined processes
 - Better collaboration , improved accountability
 - Facilitated reviews
 - Evading cost delays
 - Electronic document transfer (Go Green)
 - Hassle free and transparent workflow process that reduces constant follow-ups and easier workflow history maintenance (approvals/ rejections / SLA breaches)
- Document Repository to manage electronic documents encompassing the current and historical well information
- Increase in velocity, predictability and effective resource utilization in well commissioning process
- Rich dashboard and reports to keep track of the quality and effectiveness of wells initiative and data management respectively
- Email notification to update stakeholders about the progress of mission critical business process workflow status

About GAVS

GAVS Technologies (GAVS) is a global IT services & solutions provider enabling digital transformation through infrastructure solutions. Our services include automation led infrastructure services, enabled by smart machines, DevOps & predictive analytics. GAVS' focus is steered to improve user experience by 10X and reduce resource utilization by 40%, and strengthen governance & transformation thru security, cloud orchestration, risk & governance.

For more information on how GAVS can help solve your business problems, write to inquiry@gavstech.com