



Industry

- Oil & Gas

Products

- Microsoft Office SharePoint 2007

Challenge

Limited communication between the Company's remote drilling sites and its corporate headquarters made it difficult to establish information systems that would improve the efficiency of its operations. Also, existing systems were developed independently, without consideration of the overall enterprise, creating an overlap in many processes.

Solution

Neudesic installed a highly customized intranet site using SharePoint Server 2007 farms that are bidirectionally synchronized over high-latency communication satellites.

Benefits

- Improved processes through elimination of duplicate systems
- Reduced maintenance costs
- Increased information visibility and access across the enterprise
- Enhanced communication experience at remote sites

Geo-distributed High-latency Intranet

As the international operating subsidiary of a large offshore drilling business involved in the completion of exploratory and developmental oil and gas wells, as well as related support, management, and consulting services, the Company has maintained a presence in nearly all the world's major offshore exploration regions, including the Arabian Gulf, Red Sea, Black Sea, Australia, East and West Africa, Southeast Asia, China, Far East, Papua New Guinea, India, Mediterranean Sea, Central and South America, and the U.S. Gulf of Mexico.

The Company's fleet currently consists of nine active, wholly-owned drilling units, including: three semi-submersibles capable of drilling in 5,000 feet of water; one semi-submersible capable of drilling in up to 2,000 feet of water; three cantilever

Neudesic's solution using SharePoint Server 2007 eliminated some systems and streamlined the rest, reducing the cost of maintaining and supporting the Company's communication and data sharing efforts, and enabling enterprise-wide access and search capabilities of all documents and information.

Project Highlights

- SharePoint Server 2007 farms are installed on each offshore rig, as well as at corporate offices
- Bidirectionally synchronized farms use high-latency satellite communications to act as one logical farm, enabling collaboration across the entire enterprise
- Offshore rigs are provided a collaborative intranet experience similar in performance and capability to that of users in shore-based offices
- Rig and shore-based personnel are able to collaborate without the concern of poor rig communications
- RSS feeds for contracted weather and news services are made available to rig personnel

Geo-distributed High-latency Intranet



The Challenge

Limited communication between the Company's remote drilling sites and its corporate headquarters made it difficult to establish information systems that would improve the efficiency of its operations. To complicate matters, existing systems were developed independently, without consideration of the overall enterprise, creating an overlap in many processes. These inconsistencies, along with the lack of a centralized information storage system, often yielded sub-standard data and multiple versions of the same information.

Another issue was the Company's lack of a formal training process. In some cases, new employees were unaware of which system to use or that a particular system even existed. This led to duplication of efforts or the manual performance of what should have been automated tasks.

Poor system integration and resulting inefficiencies in the communication process would only get worse as the Company added more drilling operations, and the costs of maintaining their technologically out-dated information systems could seriously undermine their growth trajectory going forward.



The Solution

To improve the Company's communication systems and pave the way for continued growth, Neudesic installed a highly customized intranet site using SharePoint Server 2007 farms that are bidirectionally synchronized over high-latency communication satellites.

SharePoint Server 2007 farms on each offshore rig, as well as at its U.S. headquarters, provide the Company a host of features, including: role-based content targeting; rig KPI dashboard; site branding to match customers brand; automation of key business processes; third party RSS feeds for contracted news and weather services; and customized meta-data search of physical document storage.

Neudesic's solution successfully addressed the Company's need for better communication on its rigs, one of the project's key challenges, by providing each offshore site with a collaborative intranet experience similar in performance and capability to that of shore-based users in the Company's



The Benefit

Neudesic's solution using SharePoint Server 2007 modernized the Company's systems and processes, enabling corporate and field personnel to communicate and share information more effectively and with increased efficiency.

Eliminating some systems and streamlining the rest has greatly reduced the cost of maintaining and supporting the Company's communication and data sharing efforts. It also has enabled enterprise-wide access

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and search capabilities of all documents and information while providing a more secure environment for sensitive corporate data.

With technology-based solutions that have enhanced process automation and reduced manual data entry, Company personnel now enjoy more accurate and timely entry and retrieval of information, as well as a better overall user experience.