

# Schlumberger Information Solutions

Convincing customers with the right visualization

“As two industry leaders, Schlumberger Information Solutions and Barco share a common goal to make oil and gas exploration and production faster, more efficient and more user-friendly.”

Steve Dahl, PetroTechnical Computing  
Senior Systems Specialist, Schlumberger  
Calgary



Schlumberger is the world's largest service company for the oil and gas industry's exploration and production segments. Its subsidiary, Schlumberger Information Systems (SIS), specializes in integrated software solutions for fast, efficient data analysis, which is a deciding factor in assessing profitability of natural resources. In order to showcase its software capabilities at its Breakthrough Performance Center in Houston and its demo center in Calgary, SIS needed the right visualization.

**BARCO**

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## Cross-site collaboration with visualization

Barco, an established company in the field of visualization for the oil and gas industry, offered a wide range of display systems for SIS's demo centers. "Barco is simply the leading visualization developer in North America," says Steve Dahl, PetroTechnical Computing Senior Systems Specialist, "They were the only company that could put our collaboration philosophy in action with their hardware as well as their software."

For the BPC in Houston, Barco installed three systems. The biggest is a MegaCADWall driven by four native HD projectors. Thanks to Barco's innovative XDS Control Center software suite, it can display any mix of 2D and 3D sources essential to exploration work simultaneously. The XDS software also allows teams working with this wealth of data to share data with the other display systems in the BPC, as well as remotely, in real-time, with the Calgary facility.

The other two systems at the BPC consist of a single-projector CADWall system, and a 4x2 Barco video wall, which is typically used to monitor production processes. Both systems can send data to and acquire data from the MegaCADWall and the display in Calgary. "Barco and SIS help improve petro-technical collaboration as well as every day activities with complementary software and technologies," adds Aref Al-Faraj, Production Operations Center Solution Champion.

The CADWall the Calgary demo center is also augmented by the XDS Control Center software suite. "Our customers are amazed at how efficient and intuitive their collaboration process becomes," notes Mr. Dahl, "For instance, the XDS Control Center enables us to share Petrel



images in real time with our colleagues in Houston, while we can take direct control of all connected computer desktops on screen with just one mouse and keyboard."

## Professionals with a shared vision

"Collaboration in the oil and gas industry is needed in many aspects. For example, as experienced workforce ages and retires, they take a lot of knowledge with them. One way of retaining this knowledge is having more experienced staff guide young field engineers in field operations through remote collaboration," says Mr. Al-Faraj, "Another example is where an offshore team seeks advice on technical as well as safety issues from the onshore team. With Barco XDS's videoconferencing and multi-windowing features, this becomes very easy."

SIS has decades of experience in delivering the right solutions for their customers, and expected the same from Barco's work on visualization hardware and software. "We were impressed by the speed of the project's implementation. Thanks to Barco's professional project management team, we were always confident in them getting the job done on time," concludes Mr. Dahl.

## What is the Breakthrough Performance Center?

The SIS Breakthrough Performance Center is a venue where customers can experience the latest and most innovative exploration and production (E&P) software and services technology. SIS welcomes collaborative efforts with technology leaders, like Barco, to make its Breakthrough Performance Center the industry leader in next-generation E&P technologies. At the SIS Breakthrough Performance Center, visitors from around the world have the opportunity to identify current and future business solutions, exchange ideas with Schlumberger and other industry experts, and experience the latest innovations in the E&P world.



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