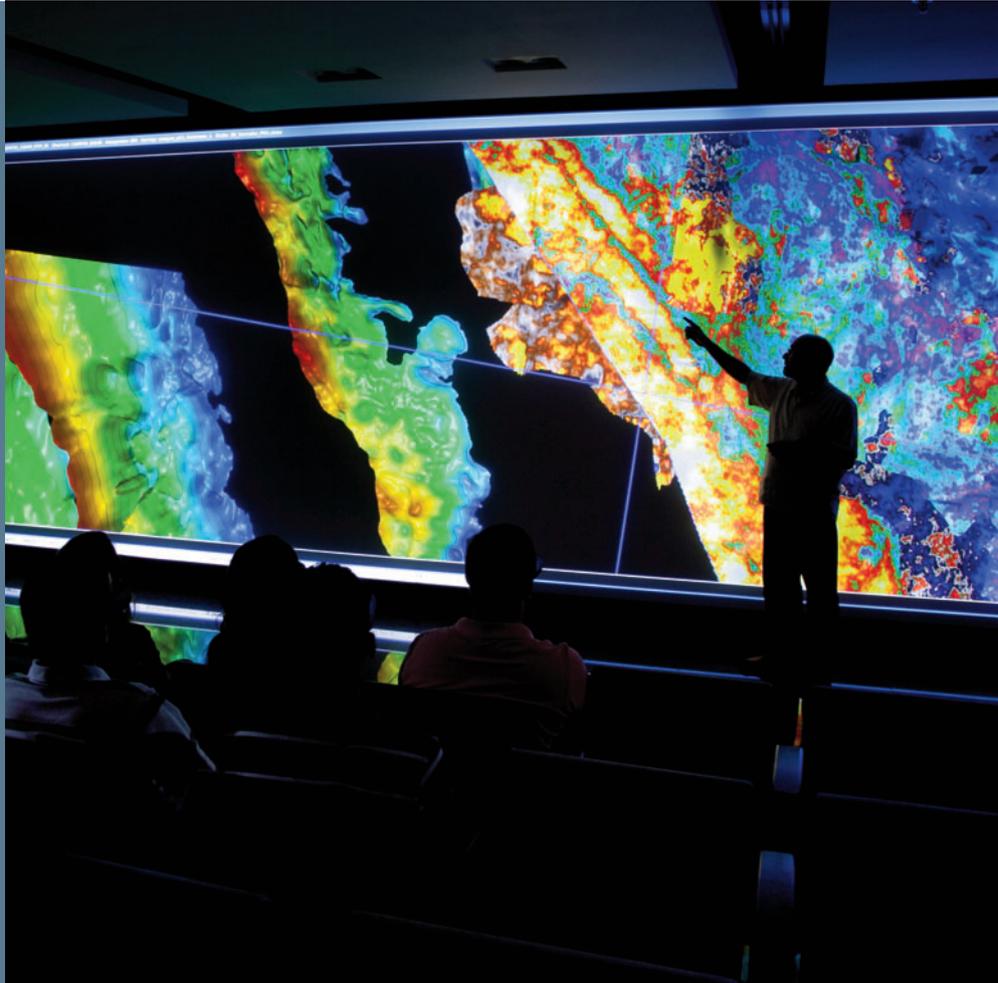


OGX Petróleo e Gás, Brasil

When it comes to oil exploration, Barco knows the drill...



“We considered other solutions, but the sheer quality of the Barco portfolio makes them stand out from the competition.”

*Marcos do Amaral, Applied Technologies
General Manager at OGX*

In the highly critical search for oil, companies process a huge amount of seismic data relating to the sedimentary basins in which they hope to operate. OGX Petróleo e Gás, Brazil's largest private sector oil and gas company, installed a state-of-the-art virtual reality room where staff meet to interpret this information. Barco's MegaCADWall system offers them a razor-sharp 3D image of the ocean bed, that allows of optimum decision-making: to drill or not to drill?

BARCO

Visibly yours

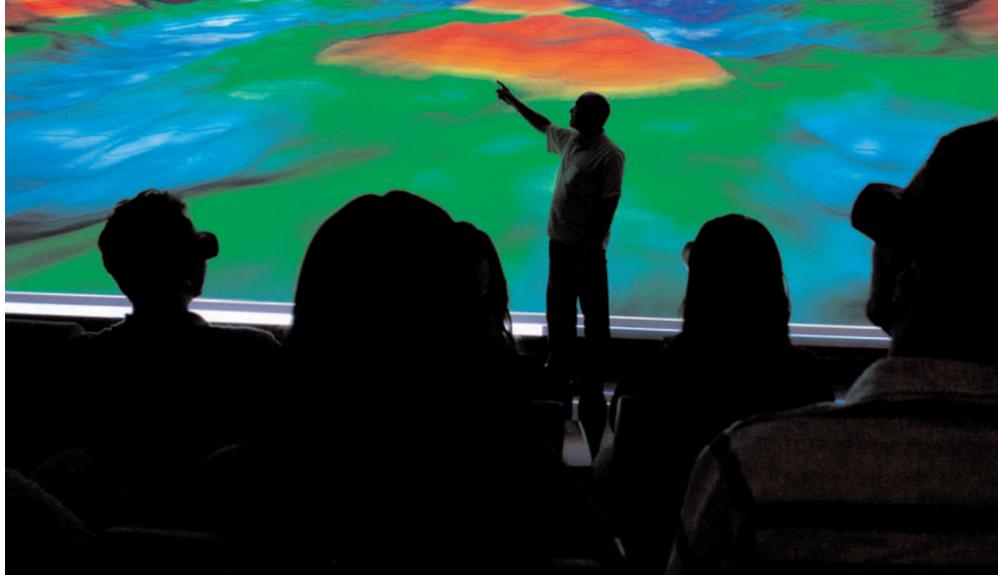
OGX Petróleo e Gás, Brazil's largest private sector oil and gas company, was established only five years ago. With several exploratory blocks in an advanced phase of exploration – both on- and offshore – the company is already entering its oil production phase. Barco's visualization solutions that enable strong decision-making are playing a major role in this impressive success story.

OGX, with its head-office in Rio de Janeiro, has a diversified, high-potential portfolio comprised of 34 exploratory blocks in Brazil and Colombia. The total exploration area extends to approximately 7,000 km² at sea and 37,000 km² on land. With a 90% success rate, OGX's exploratory campaign has yielded a rarely seen effectiveness. In just three years of exploratory activity, the company found oil or gas in more than 50 of the wells drilled. As Interpretation Executive Director Edmundo Marques points out, it is highly essential that fruitless drilling is prevented: "The approximated cost for a drilling amounts to USD25 million. Imagine the loss whenever the company is stuck with a dry well."

Jutta Baptista welcomes you

So how do the specialists at OGX decide whether or not an offshore well is commercially viable? Well, they rely on an unparalleled amount of seismic data, gathered by seismic cables or 'streamers'. These are tugged behind a purpose-built vessel and emit sound waves into the water. The waves are reflected by the subsoil, recorded, digitized and converted into 3D graphics.

Onshore, at the company headquarters in Rio de Janeiro, the OGX specialists – geologists, engineers, decision-makers – meet in the 70-seater 'Jutta Baptista'



room to interpret the data. In this USD 2.4 million virtual reality room, installed at the end of 2011, they can sit down and have a look at the biggest 3D visualization screen in the oil & gas industry. It is powered by Barco's MegaCADWall system, based on three-chip DLP projection technology. The 3D image of the seabed is projected by two Galaxy NH-12 and four NW-12 projectors, arranged in a 3x2 set-up. The images are blended both horizontally and vertically, into one high-resolution seamless image, 9 meters wide and 3 meters high. The result is an ultra-sharp 3D image with a resolution of a stunning 8.9 million pixels.

Quality makes all the difference

Marcos do Amaral, Applied Technologies General Manager: "The staff, our 'humanware', is absolutely essential to the job. But we also invest heavily in cutting-edge solutions that help them interpret the data in the best possible way. And that is exactly why Barco solutions, delivered by a first-class integration partner, were our preferred choice. We considered other solutions, but the sheer quality of the Barco portfolio makes them stand out from the competition."

Easy to use, integrated software

Another reason for selecting Barco was the availability of the integrated XDS-1000 display management system, a Windows-based software suite for projectors and large displays. With just a keyboard and mouse it offers simultaneous display of multiple sources, creating a stress-free environment where collaboration and decision-making becomes easy and efficient. Fábio Carvalho Ribeiro Gomes, IT Manager: "XDS-1000 is extremely user-friendly. As it allows the user to manage the whole display system by himself, we do not need a dedicated person to operate the room."

Not unsurprisingly, user feedback has been very positive: "The new system proves to be very effective, adding to its popularity. It is also used by other companies from the EBX Group, such as CCX/MPX (coal) AUX (gold) and EBX (Holding)."



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Barco is an ISO 9001 registered company.
The information and data given are typical for the equipment described.
However any individual item is subject to change without any notice.
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