

CNOOC, Tianjin, China

Analysis of complex geophysical data on a seamless curved screen



“I have seen a lot of stereoscopic visualization systems, and this one is the best.”

Fu Cheng Yu
Chairman of CNOOC's board of directors

CNOOC (China National Offshore Oil Corporation) is one of the three largest, state-owned oil companies in China. As misrepresentation of even the smallest pixel in geophysical data can result in missed oil drill opportunities and astronomical amounts of lost revenue, CNOOC required a visualization system of the highest quality for its offshore evaluation center in Tianjin.

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Barco realized a multi-channel display system on a huge, 8.45m curved screen with a height of 2.38m that completely replaced aging workstations with regular computer screens. Three 3-chip DLP Galaxy projectors together deliver one seamless image with an excellent color and brightness uniformity over the total display surface. The projectors are aligned in rear-projection, so that the team can take a close look at each detail without casting annoying shadows on the screen.

Advanced passive Infitec stereo separation complemented with Barco's DynaColor color correction results in unmatched depth perception. Optimum performance of the display is guaranteed at all times thanks to the LDAT laser array allowing easy and quick projector realignment whenever necessary.

Barco's latest state of the art display technology at CNOOC's evaluation center at Tianjin contributes to precise analysis of geophysical subsurface data, enhances recovery and optimizes deepwater engineering and marginal oilfields development. It is an important support for CNOOC to realize its strategic objective to put technical innovation at the core of its competitiveness.



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Barco Presentation & Simulation Division is ISO 9001 registered.

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