

TAKING A SHOT

1,100-Year-Old Story, Futuristic Video

Bringing the story of the Bolitung shipwreck from 1,100 years ago into the present is no small feat. For starters, the experience begins with a pre-show made possible in part to a Christie DHD800 1-chip DLP rear-screen projector with mirror bounce. To further help visitors feel like they are on the pier in China's Guangzhou harbor, a Doremi Labs Nugget HD video player was utilized as the video server. For the main show, a Sony SRX T420 4K SXRD projector with a fish-eye lens to fill a 180-degree space about six meters high was installed. Integrator Electrosonic mounted the projector on an isolated platform on the catwalk to eliminate vibration. A DVS Cine4K server supports the Sony projector; a 3D Perception system handles image processing and warping. To create a 360-degree experience, four High End Systems DL3 moving-head projectors cover the back of the theater wall screen surface with effects projections.

Integrator Avoids Installation Shipwreck

Electrosonic's design consulting team, working with senior project engineer Niel Overton, created a mock-up of the theater before starting the installation. The step proved to be a valuable one. Electrosonic project manager Thursby Pierce noted the unique configuration of the theater made for some audio challenges. "There was no depth to do a screen with speakers behind it," said Pierce, "and sound bounces all over a round room." To remedy the situation, acoustic consultants Sowden and Associates were brought in to skin the concrete space with acoustic insulation and install the speakers in well-calculated locations.

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