Enterprise Transformation: Laser Scanning at Newport News Shipbuilding

Transcript:

Woody Woods, Designer, Newport News Shipbuilding

“Laser-scanning in simplest terms is a photograph that has dimensional qualities to it. So instead of having to measure out every little detail, you can scan a space and can have all your dimensions.

“We had done laser-scanning on ships that were tied at the pier, where the ship’s not moving. The Navy customer asked: ‘Can you scan at sea on a moving ship?’ We had to ask ourselves some questions: Could we scan at sea? Would the vibrations affect the scan? Would the scanner fall over during pitch and roll?

“So we took one of our scanners on the tugboat Huntington. We bought some special equipment, like this isolation mount and foam pads, to help isolate the scanner from vibration. As a result of our tests, we found out we could scan at sea.

“I’m just real excited to be part of laser-scanning. After being in the shipyard for 32 years, I never thought I’d be working with technology like this, and I can only imagine where we’ll be 30 years from now, using this technology.”