

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.”