

**LENA WALLACE, COMMUNICATIONS DIVISION**

SHIPBUILDERS ARE TESTING TO SEE IF LASER SCANNING TECHNOLOGY WILL WORK ABOARD SHIPS AT SEA. THEY HOPE SUCCESSFUL LASER SCANNING ABOARD THE TUGBOAT HUNTINGTON WILL LEAD TO PROJECTS ABOARD LARGER SHIPS LIKE THE USS JOHN C. STENNIS (CVN 74), A NUCLEAR-POWERED SUPERCARRIER IN THE NAVY. WE TAGGED ALONG TO CHECK OUT THE TESTS.

**WOODY WOODS, DESIGNER**

LASER SCANNING BASICALLY IS A PICTURE BUT WITH DIMENSIONAL DATA. IT'S LIKE YOU'RE WALKING ON THE SHIP ON YOUR COMPUTER SCREEN.

**LENA WALLACE**

THAT'S WOODY WOODS. HE AND NATHAN VANDYGRIFF ARE TESTING LASER SCANNING TECHNOLOGY ALONG THE JAMES RIVER.

**NATHAN VANDYGRIFF, ELECTRICAL ENGINEER**

SO TODAY WE ARE ON THE TUG TO SEE DOWN IN THE ENGINE ROOM THAT VIBRATION TESTING. BECAUSE USUALLY WHEN WE SCAN WE'RE TIED UP TO A PIER, THE ENGINES AREN'T RUNNING AND WE'RE TIED UP AND SITTING STILL. SO TODAY WE'RE TRYING TO GET AS MUCH MOVEMENT AND VIBRATION TO SEE HOW IT AFFECTS THE SCANNER.

**WOODY WOODS**

VIBRATION CAN IMPACT YOUR DIMENSIONAL DATA AND THE LAST THING WE WANT IS TO SPEND A LOT OF MONEY TO GO ON CVN 74 AND FIND OUT THE DATA IS USELESS. SO WE'RE HOPING THAT THIS TEST SHOWS THAT SCAN DATA, WHILE OPERATING AT SEA, IS USEFUL DATA.

**LENA WALLACE**

THE SHIPBUILDERS ARE ALSO INTRODUCING A NEW LASER SCANNING TOOL DURING THEIR TEST.

**NATHAN VANDYGRIFF**

THE HAND SCANNER THAT WE HAVE, THAT'S FOR SPACES WHERE WE CAN'T TAKE THE BIG FARO SCANNER WE HAVE. SO THINGS THAT ARE SMALLER WE USUALLY USE THE HAND SCANNER FOR. A PIPE TO GET AROUND, IF WE NEED SOMETHING QUICK THAT IS A REALLY QUICK WAY TO GET A SCAN WHERE THE OTHER ONE TAKES A LITTLE BIT OF TIME.

**LENA WALLACE**

AFTER REVIEW THE TEAM FOUND OUT THAT VIBRATIONS DON'T DISTORT LASER SCANNED IMAGES. WOODS SAYS LASER SCANNING AT SEA WILL HELP SPEED UP SHIP CHECKS AND SPEED UP CONTRACTS. THIS INVESTMENT IN TECHNOLOGY WILL SHAPE AND CREATE OPPORTUNITIES FOR BUSINESS GROWTH. FOR NEWPORT NEWS SHIPBUILDING, I'M LENA WALLACE.