

BRYAN MOORE, MANAGER, COMMUNICATIONS DIVISION

TECHNOLOGY, FRONT AND CENTER. I'M BRYAN MOORE AND THIS IS FOCUS NNS. WE'RE HERE AT NAVY LEAGUE'S ANNUAL SEA, AIR, SPACE EXPOSITION WHERE HUNTINGTON INGALLS INDUSTRIES IS SHOWING OFF ITS PRODUCTS AND PEOPLE. WE'LL SHOW YOU THE LATEST IN HIGH-TECH SHIPBUILDING. PLUS: AIRCRAFT CARRIER SUPPLIERS COME TO WASHINGTON, D.C. TO BRING THE CARRIER MESSAGE TO CONGRESS. AND CELEBRATING THE 50TH EPISODE OF FOCUS NNS. THERE'S BEEN SOME CHANGES OVER THE YEARS, WE'LL TAKE A LOOK BACK COMING UP. THOSE STORIES AND MORE ARE COMING UP, BUT FIRST ON DECK: PEOPLE, FACILITIES, AND TECHNOLOGY. THAT'S THE FOCUS AT THIS YEAR'S NAVY LEAGUE'S SEA, AIR, SPACE EXPOSITION.

AARON PRITCHETT, COMMUNICATIONS DIVISION

AARON PRITCHETT WITH OUR COMMUNICATIONS DIVISION TAKES US OUT TO THE INTEGRATED DIGITAL SHIPBUILDING TRAILER FOR AN OVERVIEW. IT'S AN OPPORTUNITY TO SHOWCASE THE TALENTS OF OUR SHIPBUILDERS, THE QUALITY OF OUR PRODUCTS, AND THE CUTTING-EDGE TECHNOLOGY THAT IS HELPING HUNTINGTON INGALLS INDUSTRIES LEAD THE WAY WHEN IT COMES TO THE DEFENSE OF THIS GREAT COUNTRY. THE LAST THREE DAYS HERE AT THE NAVY LEAGUE'S SEA, AIR, SPACE EXPOSITION IN NATIONAL HARBOR, MARYLAND HAVE BEEN BUSY AND EXCITING AS WE LOOK FORWARD TO THE FUTURE OF SHIPBUILDING.

JENELL WEBB, ENGINEERING MANAGER

SO, SEA, AIR, SPACE IS THE LARGEST SHOW DEALING WITH THE MARITIME INDUSTRY. SO THAT'S FOR THE COAST GUARD, THE NAVY AND THE U.S. MARITIME SERVICES. HUNTINGTON INGALLS IS WELL SHOWN - WE HAVE A MARQUEE SPOT, PRIMO LOCATION. AND IT REALLY SHOWCASES THE FACT THAT WE ARE TOP NOTCH AND A HUGE CONTRIBUTOR TO THE U.S. MISSION DEALING WITH THE NAVY AND THE MARINE CORPS.

SHIPBUILDER

SO, THE ONE THAT YOU'RE IN NOW, THAT EVENT IS THE FLIGHT ARRANGEMENT. REALLY PINPOINTING SOME DESIGN CHANGES THAT INSPIRED US MOVING THE ISLAND HOUSE BACK ONE HUNDRED AND FORTY FEET.

JENELL WEBB

SO, SINCE THE AIRCRAFT CARRIER CAN'T FIT DOWN THE POTOMAC, WHAT WE'VE DECIDED TO DO IS USE AUGMENTED REALITY IN VARIOUS TABLETS AND HEADSETS THAT COMMUNICATE THE SCALE OF AN AIRCRAFT CARRIER AND ALSO THE SUBMARINES - BE IT THE COLUMBIA-CLASS, THE VIRGINIA-CLASS AND SOMETIMES WE TELL STORIES ABOUT THE 688'S.

SHIPBUILDER

WE HAVE AN INTEGRATED DIGITAL SHIPBUILDING INITIATIVE GOING ON...

JENELL WEBB

WE REALLY WEAVE THE STORY OF THE PEOPLE, OUR PRODUCTS, AND THE PURPOSE OF EACH HERE. ONE WITHOUT THE OTHER REALLY WOULD BE AN INCOMPLETE THING.

CAROLINE CARPENTER, SUPPLY CHAIN ANALYST

IT'S A GREAT EXPERIENCE BECAUSE NOT VERY MANY PEOPLE GET TO COME TO THE SHIPYARD OR EXPERIENCE WHAT WE DO, SO IT'S NICE TO BE ABLE TO BRING OUR PRODUCTS AND OUR BUSINESS MODEL TO THE PUBLIC AND REALLY SHOW OUR CUSTOMERS AND OUR TAXPAYERS WHAT IT IS WE'RE DOING AND HOW WE'RE HELPING SAILORS KEEP OUR NATION SAFE.

ELIJAH GRAFFAGNINO, AIRMAN APPRENTICE, U.S. NAVY

IT'S MY FIRST TIME BEING TO AN EVENT LIKE THIS, A LOT OF TECHNOLOGY BEING SHOWCASED TODAY. IT'S VERY EXCITING, VERY FASCINATING.

ALAN CLARK, CO-LEAD, NNS DIGITAL MOBILE EXPERIENCE

INSIDE, IS A BIGGER PICTURE, IF YOU WILL. IT'S A BIGGER PICTURE THAT SAYS, "HERE'S A STRATEGIC DIRECTION THAT WE'RE GONNA GO." OUTSIDE, HERE IN THE TRAILER, IT'S HOW ARE WE, EVERY DAY, IMPACTING THE PEOPLE DOING THE WORK? THIS IS THE MX TRAILER, ABOUT A THOUSAND-SQUARE FEET OF MOBILE TRAINING SPACE THAT WE'VE BEEN ABLE TO BRING TO SEA, AIR, SPACE, SHARING THE DIGITAL TRANSFORMATION IN THAT NEWPORT NEWS SHIPBUILDING IS GOING THROUGH.

SHIPBUILDER

SO, WHAT I'M GOING TO BE SHOWING YOU ALL TODAY IS VISUAL WORK INSTRUCTIONS. SO, WHAT WE'RE DOING IS WE'RE TRYING TO GET AWAY FROM THESE 2-DIMENSIONAL DRAWINGS.

ALAN CLARK

THE GOAL IN THE MX IS FOR IT TO BE HANDS-ON, EXPERIENTIAL. WHERE THEY'RE GOING TO EXPERIENCE EITHER LASER SCANNING REALITY CAPTURE, WE HAVE VISUAL WORK INSTRUCTIONS, VISUAL BUILD MANAGEMENT. ALSO, LOOKING AT THE INTERNET OF THINGS AND THEN TWO AUGMENTED REALITY APPS. WE'RE REALLY FOCUSED ON THE SUSTAINMENT-SIDE OF, "HOW DO WE

TAKE THAT DATA AND WHAT WE'RE DOING IN TO THE NAVY IN ORDER TO HELP THEM SUSTAIN SHIPS GOING FORWARD?"

SHIPBUILDER

LASER SCANNING OR REALITY CAPTURE IS BASICALLY WHERE I CAN TAKE A REAL WORLD ENVIRONMENT AND BRING THEM IN TO A 3-D ENVIRONMENT.

ALAN CLARK

IT'S KIND OF NEAT TO SEE PEOPLE GET EXCITED ABOUT WHAT WE BUILD AND IT IS A LEGACY, IF YOU WILL. I MEAN, IT STARTED WITH REPAIRING SHIPS. IT STARTED WITH OUR FIRST HULL DOROTHY, WITH RIVETS, RIGHT? AND NOW, WE'RE BUILDING WORLD-CLASS NUCLEAR-POWERED VESSELS THAT DEFEND OUR COUNTRY AND NOW WE'RE FIGURING OUT HOW TO DO IT IN A DIFFERENT WAY. AND A WAY THAT WILL HELP OUR CUSTOMER CONTINUE TO SUSTAIN THEM FOR YEARS TO COME.

AARON PRITCHETT

THE TECHNOLOGY ON DISPLAY HERE AT THE SEA, AIR, SPACE EXPOSITION IS ONLY A SMALL SCALE OF WHAT IS BEING UTILIZED HERE AT NEWPORT NEWS SHIPBUILDING AND ACROSS THE COMPANY. FOR FOCUS NNS, I'M AARON PRITCHETT. BACK TO YOU, BRYAN.

BRYAN MOORE

ALRIGHT, THANKS A LOT AARON. WELL, AS WE MENTIONED EARLIER, THIS IS THE 50TH EPISODE OF THIS NEWSCAST, WHICH BEGAN BACK IN MAY OF 2009. HELLO AND WELCOME TO THIS EDITION OF SHIPBUILDING NEWS. BACK THEN, WE WERE NORTHROP GRUMMAN NEWPORT NEWS AND THE SHOW WAS CALLED, "SHIPBUILDING TELEVISION," OR, "SBTV." IT DEBUTED ON THE NEWPORT NEWS SHIPBUILDING WEBSITE NINE YEARS AGO.

LAUREN GREEN, COMMUNICATIONS

REPRESENTATIVES TO NORTHROP GRUMMAN SHIPBUILDING, ALONG WITH THE BUSH FAMILIES AND THE NAVY WORKED SIDE-BY-SIDE TO ENSURE CVN 77 IS READY TO DEFEND FREEDOM FOR THE NEXT 50 YEARS.

BRYAN MOORE

WE ALSO NOT ONLY COVERED THE GREAT SHIPBUILDERS OF NEWPORT NEWS, BUT ALSO INGALLS SHIPBUILDING IN PASCAGOULA, MISSISSIPPI.

BILL GLENN, INGALLS SHIPBUILDING

AS YOU CAN SEE FROM THE VIDEO, IT WAS A WONDERFUL DAY HERE ON THE GULF COAST.

STACY DAUZAT, COMMUNICATIONS

I'M STACY DAUZAT, REPORTING TO YOU FROM THE COMMISSIONING EVENTS IN NEW YORK CITY.

BRYAN MOORE

THE DECK OF USS CARL VINSON IS TRANSFORMED INTO A BASKETBALL ARENA.

ADRIENNE SMITH, TRAINING DEPARTMENT, NEWPORT NEWS SHIPBUILDING

I'M ADRIENNE SMITH, AND THERE'S A TON OF REBRANDING GOING ON AT THE SHIPYARD. THEY'VE ALREADY STARTED WORK ON REPAINTING THE CRANE, AND TAKE A LOOK AT THE FLOATING DRY DOCK OVER HERE.

AARON PRITCHETT

GERALD R. FORD IS FINALLY CUTTING THROUGH THE OPEN WATERS OF THE ATLANTIC OCEAN FOR THE VERY FIRST TIME.

BRYAN MOORE

TODAY FOCUSNNS CONTINUES THE MISSION OF SHOWCASING THE AMAZING PEOPLE AND IMPORTANT PRODUCTS OF NEWPORT NEWS SHIPBUILDING. AND WE'LL LOOK BACK AT MORE A LITTLE BIT LATER. BUT FIRST: LET'S TAKE A LOOK AT SOME OTHER NEWS FROM AROUND THE YARD. THE NEWEST VIRGINIA-CLASS SUBMARINE INDIANA (SSN 789) IS A STEP CLOSER TO DELIVERY. A 142-MEMBER CREW OFFICIALLY OPENED THE GALLEY ON APRIL 3RD AND ENJOYED THEIR FIRST MEAL WITH SHIP'S SPONSOR DIANE DONALD.

DIANE DONALD, SHIP'S SPONSOR, INDIANA (SSN 789)

FOR ME, IT'S A ONCE-IN-A-LIFETIME OPPORTUNITY. AND I REALLY AM TRYING TO EMBRACE EVERY OPPORTUNITY THAT I CAN WITH THE CREW.

BRYAN MOORE

THE NUCLEAR-POWERED FAST-ATTACK SUBMARINE IS IN THE FINAL STAGES OF CONSTRUCTION AT NEWPORT NEWS SHIPBUILDING AND IS SCHEDULED FOR DELIVERY LATER THIS YEAR.

IT'S A SIGHT YOU DON'T SEE EVERY DAY: A NEW 315-METRIC-TON GANTRY CRANE ARRIVES AT NEWPORT NEWS SHIPBUILDING. THE CRANE IS REPLACING NEWPORT NEWS SHIPBUILDING'S 49-YEAR-OLD GREEN GOLIATH GANTRY CRANE AT DRY DOCKS 10 AND 11. THE NEW CRANE IS EVEN BIGGER THAN THE ICONIC 1050-TON CRANE IN THE NORTH YARD, COMMONLY KNOWN AS, "BIG BLUE," AND WILL BE ONE OF THE TALLEST GANTRY CRANES IN THE WORLD. THE NEW CRANE IS EXPECTED TO BE OPERATIONAL NEXT YEAR.

WOMEN SHIPBUILDERS VISIT HERITAGE HIGH SCHOOL TO TALK TO TEENAGE GIRLS ABOUT CAREERS IN STEM - THAT'S SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH. THE WOMEN ANSWERED QUESTIONS AND GAVE ADVICE REGARDING WHAT CLASSES TO TAKE TO PREPARE FOR A STEM CAREER. THEY ALSO TALKED ABOUT THEIR OWN CAREER PATHS.

ASIA SHELL, SENIOR, HERITAGE HIGH SCHOOL

THEY EACH HAVE THEIR OWN STORIES AND IT WAS VERY INSPIRING BECAUSE NOT ALL OF US ARE THE SAME AND WE HAVE TO, YOU KNOW, MAKE OUR OWN WAY PRETTY MUCH. SO EACH OF THEM AS BEING PHENOMENAL WOMEN IN THIS CAREER OF STEM FIELDS, IT WAS VERY INSPIRING TO HEAR OF THE WAY THEY GOT THERE.

BRYAN MOORE

THE PANEL STRESSED THE IMPORTANCE OF HARD WORK, FINDING MENTORS, AND BUILDING POSITIVE RELATIONSHIPS.

NEWPORT NEWS SHIPBUILDING EMPLOYEES CELEBRATE EARTH DAY BY CLEANING AND SPRUCING UP. SHIPBUILDERS TOOK TIME TO PICK UP TRASH AND SPREAD MULCH AROUND AREAS AT CHRISTOPHER NEWPORT PARK AND THE VICTORY ARCH IN DOWNTOWN NEWPORT NEWS.

CAILEE HELMICK, NUCLEAR ENGINEER

I REALLY ENJOY THE EVENT PERSONALLY BECAUSE IT GIVES ALL THE SHIPBUILDERS AN OPPORTUNITY TO COME TOGETHER AS A TEAM AND REALLY MAKE THE AREA WE WORK IN BETTER.

BRYAN MOORE

VOLUNTEERS ALSO PICKED UP TRASH ALONG THE HUNTINGTON PARK BEACHFRONT.

AIRCRAFT CARRIER SUPPLIERS FROM ACROSS THE NATION CAME TO WASHINGTON, D.C. TO MEET WITH THEIR CONGRESSMEN AND TALK ABOUT THE IMPORTANCE OF AIRCRAFT CARRIERS TO OUR NATION. LENA WALLACE WITH OUR COMMUNICATIONS DIVISION TAKES US TO THE AIRCRAFT CARRIER INDUSTRIAL BASE COALITION ACTION DAYS.

LENA WALLACE, COMMUNICATIONS DIVISION

THANKS, BRYAN. SHIPBUILDERS AND SUPPLIERS ARE IN WASHINGTON, D.C. TO TALK TO MEMBERS OF CONGRESS ABOUT AIRCRAFT CARRIERS. IT'S ALL TO ENSURE THAT THEY KNOW HOW IMPORTANT CARRIERS ARE AND THE PEOPLE WHO BUILD THEM. SUPPLIERS, SHIPBUILDERS, AND MEMBERS OF CONGRESS - THEY CAME TOGETHER TO TALK ABOUT THE WORLD'S LARGEST AND MOST POWERFUL NAVY SHIPS: AIRCRAFT CARRIERS.

RICK GIANNINI, CHAIR, ACIBC, PRESIDENT & CEO, MILWAUKEE VALVE COMPANY

THE CONFERENCE IS REALLY ALL ABOUT GETTING THE MESSAGE ABOUT HOW IMPORTANT A CARRIER PROGRAM IS TO EACH OF OUR INDIVIDUAL BUSINESSES.

LENA WALLACE

MORE THAN 2,000 BUSINESSES FROM 46 STATES CONTRIBUTE PARTS, SERVICES, AND SUPPORT TO THE CONSTRUCTION AND MAINTENANCE OF AIRCRAFT CARRIERS.

DAVID FINN, TECHNICAL SALES, J A MOODY MARINE SALES & SERVICE

WHEN YOU WALK ON THE FACTORY FLOOR, YOU SEE THE VALVES BEING MADE AND YOU GO WALK ON A SHIP AND YOU CAN GO SEE IN AN ENGINE SPACE, IN AN ENGINE ROOM, YOU CAN SEE A P-NUT VALVE IN THE SYSTEM AND KNOWING THAT, FOR SIXTY YEARS, YOUR SUPPLY CAN BE A PART OF IT AND TAKE A LOT OF PRIDE SEEING IT FROM BEGINNING TO END AND THAT FINISHED PRODUCT.

LENA WALLACE

FOR THE FIRST TIME AT THE ACTION DAYS CONFERENCE, NEWPORT NEWS SHIPBUILDING'S IDS TEAM SHOWED OFF A NEW DIGITAL TECHNOLOGY THAT THE COMPANY USES.

SHARONDA STEVERSON, PROCESS IMPROVEMENT ANALYST

IT MEANS A LOT TO HAVE THE PLATFORM AND OPPORTUNITY TO REALLY SHARE WHAT NEWPORT NEWS SHIPBUILDING IS DOING AS FAR AS GOING DIGITAL, YOU KNOW, FROM THE TOP DOWN. IT'S BEING CASCADED OUT THAT, HEY, WE'RE ACTUALLY DOING THIS. SO WE WANT TO DO OUR PART TO

HELP SUPPLIERS BE COMFORTABLE, BE AWARE, BE PREPARED SO THAT WE CAN HAVE A BETTER SHIPBUILDING INDUSTRY ALL TOGETHER.

LENA WALLACE

MORE DIGITAL TECHNOLOGY IS BEING USED AT NEWPORT NEWS SHIPBUILDING. THESE TOOLS WILL HELP MAKE CONSTRUCTION MORE EFFICIENT AND COST-EFFECTIVE. THIS ALL COMES AS THE NAVY RELEASED A REQUEST FOR PROPOSAL, OR RFP, FOR A TWO-SHIP CARRIER BUY FOR ENTERPRISE (CVN 80) AND YET-TO-BE-NAMED CVN 81.

REP. ROB WITTMAN, U.S. CONGRESSMAN, 1ST DISTRICT

THANK YOU FOR THE GREAT JOB THAT YOU DO IN PROVIDING THAT CREATION, THAT INNOVATION, AND ALL THE THINGS THAT WE NEED TO MAKE SURE THAT THE CARRIERS OF TOMORROW HAVE THE CAPACITY TO CONTINUE TO SUPPORT THE GREATEST FIGHTING FORCE THE WORLD HAS EVER KNOWN.

LENA WALLACE

SUPPLIERS SAY THE IMPORTANCE OF AIRCRAFT CARRIERS, NEW TECHNOLOGY, AND THE TWO-CARRIER RFP SENDS A STRONG MESSAGE TO CONGRESS OF GREATER WORK STABILITY AND GREATER OPPORTUNITIES FOR COST-SAVINGS AS THE UNITED STATES LOOKS TOWARDS THE GOAL OF A 355-SHIP NAVY. FOR FOCUS NNS, I'M LENA WALLACE. BACK TO YOU, BRYAN.

BRYAN MOORE

ALRIGHT, THANKS SO MUCH LENA. WELL THAT'S GOING TO DO IT FOR THIS EDITION OF FOCUS NNS. MAKE SURE TO DOWNLOAD OUR FREE APP, NNS TO GO. IT'S AVAILABLE IN THE GOOGLE AND APPLE STORES ON YOUR SMART PHONES AND TABLETS. DON'T FORGET TO CHECK OUT THE LATEST NEWS IN OUR WEEKLY PUBLICATION CURRENTS AND LOOK FOR FOCUS NNS ON COX CABLE. IT'S AVAILABLE ON CHANNEL 1886 OR CONTOUR CUSTOMERS CAN SPEAK, "NEWPORT NEWS SHIPBUILDING" IN TO YOUR REMOTES TO TAKE YOU TO THE LATEST PROGRAMMING.

WELL AS WE LEAVE YOU TODAY, WE'RE GOING TO TAKE A LOOK BACK AT SOME OF THE LAST NINE YEARS AND 50 EPISODES OF FOCUS NNS. THANKS SO MUCH FOR WATCHING. I'M BRYAN MOORE.

WE'RE HERE AT OUR SHIPYARD IN PASCAGOULA, MISSISSIPPI.

HELLO AND WELCOME TO THIS EDITION OF SBTV.

CONNIE WORKMAN, COMMUNICATIONS INTERN

TODAY MARKS AN IMPORTANT MILESTONE FOR THE NORTHROP GRUMMAN SHIPBUILDING VCS PROGRAM AND THE SUBMARINE NEW MEXICO.

BRYAN MOORE

THE FOREMEN EACH GOT A PLAQUE RECOGNIZING THEIR EXCEPTIONAL SAFETY RECORD, A SPECIAL COIN, AND [LAUGHS].

BILL GLENN

AS YOU CAN SEE, WE ARE HERE AT FAMILY DAY 2009.

JESSICAH HEGEMAN, COMMUNICATIONS

THE BIG E IS BACK AT SEA.

BRYAN MOORE

BUT FIRST ON DECK. THE NEWPORT NEWS SHIPBUILDING TEAM IS HERE IN SAN DIEGO, CALIFORNIA FOR THE QUICKEN LOANS CARRIER CLASSIC.

LEAH COLVIN, MANAGER, ENGINEERING/GEMS MENTOR

FOR FOCUS NNS, I'M LEAH COLVIN. BACK TO YOU, BRYAN.

BRYAN MOORE

THANK YOU, LEAH.

MATTHEW MOSE, DECK ELECTRICIAN

THE IN-SERVICE CARRIER ENGAGEMENT CHAMPIONS ARE WORKING TO DEVELOP A CULTURE OF SAFETY, DIVERSITY, AND INCLUSION.

BRYAN MOORE

LOOK ALRIGHT? HAIR GOOD? ALRIGHT.

AARON PRITCHETT

THE HIGH-QUALITY WORK, AND THE GREAT SENSE OF PRIDE THESE SHIPBUILDERS HAVE FOR THIS GREAT SHIP, AS THEY ALL WORK TOGETHER TOWARDS COMPLETION AND DELIVERY TO THE U.S. NAVY IN 2016.

JEREMY BUSTIN, COMMUNICATIONS DIVISION

CAN I DO IT ONE MORE TIME, BRYAN?

BRYAN MOORE

OUR PRODUCTS, OUR PEOPLE, [LAUGHTER].

YASMINE ROBINSON, COMMUNICATIONS DIVISION

HARD WORK, AND INNOVATIVE IDEAS, ARE THE SECRET TO ONE HUNDRED AND THIRTY YEARS OF SUCCESS.

ASHLEY KEY, JAMES MADISON UNIVERSITY INTERN, COMMUNICATIONS DIVISION

NETWORKING ADVICE, RESUME WRITING, INTERVIEW TIPS AND MORE. THOSE ARE ONLY SOME OF THE IMPORTANT TOPICS COVERED AT THE FIRST-EVER CAREER AND DEVELOPMENT EXPO.

JEREMY BUSTIN

I JUST GOT MY HARD HAT THROUGH PAYROLL DEDUCTIBLE. BRYAN –

BRYAN MOORE

IT'S NOT DEDUCTIBLE, IT'S DEDUCTION [LAUGHTER].

OUR COMMUNICATIONS DIVISION INTERN ASHLEY KEY WAS HERE TO DO SOMETHING.

JEREMY BUSTIN

AND I'VE GOT MY HARD HAT, BRYAN? [LAUGHTER]

BRYAN MOORE

ONE MORE TIME.

JEREMY BUSTIN

AND I'VE GOT MY HAT [LAUGHTER]

ALL

BACK TO YOU, BRYAN.

BRYAN MOORE

THANKS SO MUCH, THANKS SO MUCH FOR WATCHING, THANKS SO MUCH FOR WATCHING. I'M BRYAN MOORE.