

NAVAL UNDERSEA WARFARE CENTER

DIVISION NEWPORT



NAVSEA
NAVAL SEA SYSTEMS COMMAND

WARFARE CENTERS
NEWPORT

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MESSAGE FROM LEADERSHIP

We are pleased to present the 2025 Annual Overview!

In these pages you will see some of NUWC Division Newport's highlights from an eventful and demanding year. So many of our technical accomplishments and Fleet support stories exceed the classification of this document but we believe the stories and photos in this overview provide an accurate snapshot of the wide range of support we provide to the Navy — as well as the winning team that executes the work.

Looking back at 2025 and its challenges, we are so proud of this team. Together, we persevered and never wavered from our mission of **advancing the state of the art in undersea warfare, ensuring maritime dominance through our research, development, and Fleet support.**

Challenging times test our mettle. Our team of engineers, scientists, business professionals, technicians, and support staff demonstrated a resilience that underscored our importance in the Navy's foundry. Pressure has made us stronger and we look forward to overcoming any challenge necessary to keep our Navy effective and dominant.

Enjoy this retrospective of 2025 and keep forging ahead!



Marie Bussiere, SES
Technical Director,
NUWC Division Newport



CAPT Kevin Behm
Commanding Officer,
NUWC Division Newport

▶ **PRIORITY #1: WARFIGHTING READINESS
FOR THE FLEET OF TODAY AND TOMORROW**

▶ **PRIORITY #2: LEADERSHIP
AND WORKFORCE BRILLIANCE**

▶ **PRIORITY #3: TECHNICAL
AND BUSINESS EXCELLENCE**



STRATEGIC VISION 2035

Mastery of the Seas at All Depths 2035 is the strategic vision for Division Newport for the next decade. From the seabed to space, this vision will be considered the warfare center's North Star, and will give the workforce a common and deliberate focus.

"No matter what project you're on, what challenge you're solving, or what new technology you're developing, you can ask yourself: 'How does this help our undersea warfighters to achieve Mastery of the Seas at All Depths by 2035?'" said Technical Director Marie Bussiere.

"With a smaller workforce and growing threats from adversaries, the framework of the Mastery of the Seas strategic vision allows Division Newport to "think, act and operate differently," Bussiere said. "Now more than ever, we need to be creative, leveraging every ounce of ingenuity within this command."

Soon after taking over as technical director, Bussiere announced her three priorities for Division Newport that aligned with the Navy's larger goals: "Warfighter Readiness for Today and Tomorrow," "Leadership and Workforce Brilliance," and "Technical and Business Excellence."

The Mastery of the Seas strategic vision touches on all three priorities, though it truly hits on the first one, which is delivering capability.

"While we will never stop pressing to deliver capability for the fight tonight, this vision sets our sights on the future," Bussiere said. "It's about how our organization will adapt to and thrive in the ever-changing technical and governmental landscapes. This vision is on our horizon. To reach it, we must first understand where we are, then chart our course."

Bussiere said she already has tasked technical leaders to develop roadmaps to the future that will include Capability Focus Areas and Capability Evolution Plans.

"This process is a fundamental part of our mission," she said. "It allows us to understand where we are today and how to effectively align our resources, ensuring every project, every team, and every person is moving together toward our vision of achieving Mastery of the Seas."

Through these roadmaps, Division Newport will be able to prioritize the most critical tasks, innovate with creativity, collaborate seamlessly with other departments and measure progress toward achieving the ultimate goal of "winning."

While large victories can be celebrated, winning also can be found in the "marginal gains" of action and by improving in every area each day, Bussiere said. Incremental changes and continual forward movement across the board — from systems to processes to training — will help expand the advantage over our adversaries.

"Winning is delivering the very best capabilities to the fleet, consistently giving them an undeniable advantage," she said. "This strategic landscape demands that we also achieve victory through tiny gains, through consistent small wins that, when aggregated, create an insurmountable advantage."

To achieve this vision of Mastery of the Seas, it will take the contributions of everyone at Division Newport, Bussiere said. First, employees must understand how their role falls into the larger picture and the roadmaps that are being developed.



MASTERY OF THE SEAS

AT ALL DEPTHS

2035

Mastery of the Seas – Capability Panel
Hosted by: Steve O’Grady

August 19, 2025

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... Dr. Jason Gomez, 401-832-...

...ERIORITY... AND TOMORRE...



“When you can clearly articulate how your work contributes to a Capability Focus Area and, ultimately, to our Mastery of the Seas vision, you’ll be better positioned to prioritize your efforts and innovate with purpose,” Bussiere said.

As technology is developed, scientists and engineers should operate with “system-of-systems” mentality with the goal of breaking down silos and connecting projects across departments for the benefit of stronger and more capable platforms, Bussiere said.

She added that staying sharp and up to date on the ever-changing technological landscape is another way Division Newport employees can move toward achieving the vision, as is spreading that knowledge.

“Actively share your expertise with your colleagues and mentor junior team members,” she said. “Our collective brilliance is our greatest asset, and by fostering a culture of continuous learning and collaboration, we ensure our workforce remains agile and ready for any challenge.”

“ While we will never stop pressing to deliver capability for the fight tonight, this vision sets our sights on the future. ”

— Marie Bussiere

NAVAL UNDERSEA WARFARE CENTER

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MASTERY OF THE SEAS

AT ALL DEPTHS

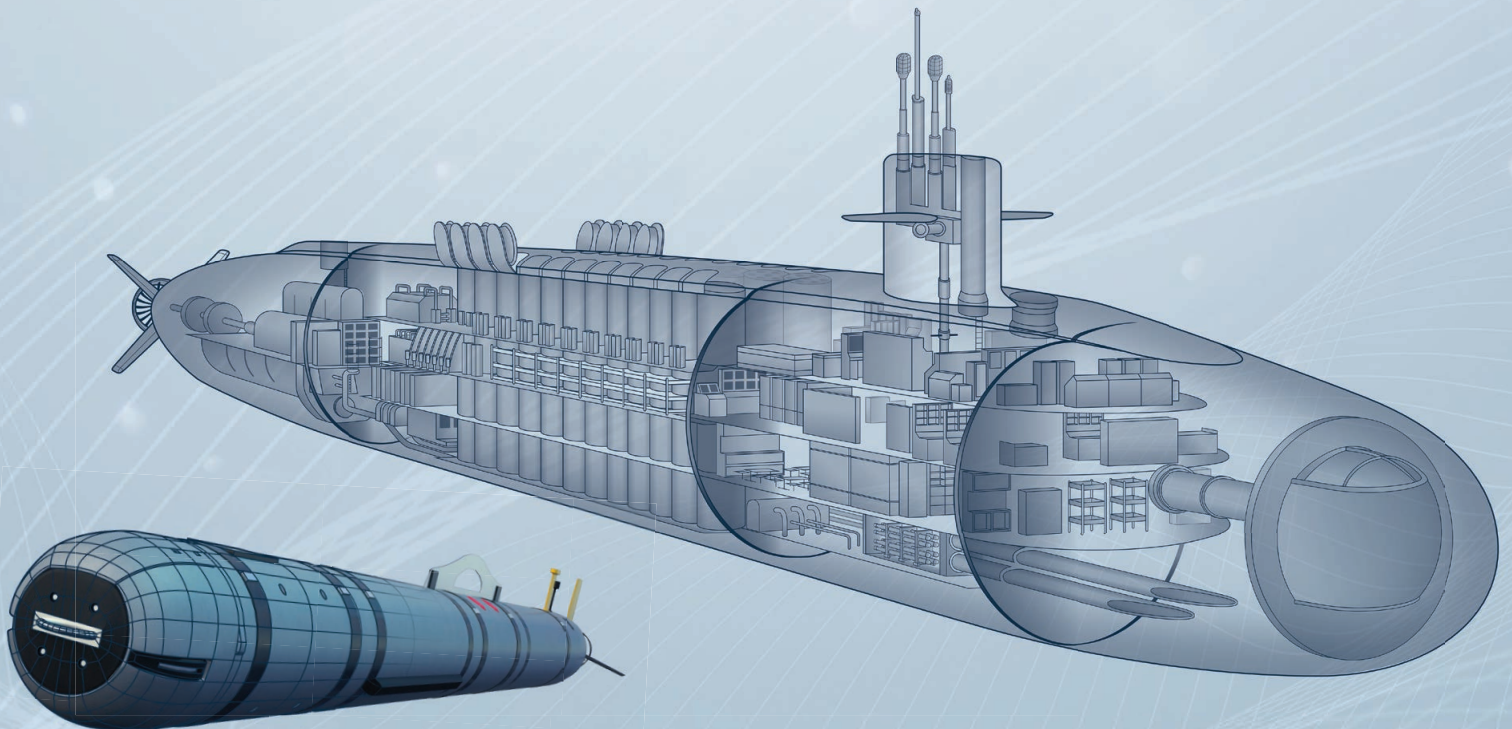
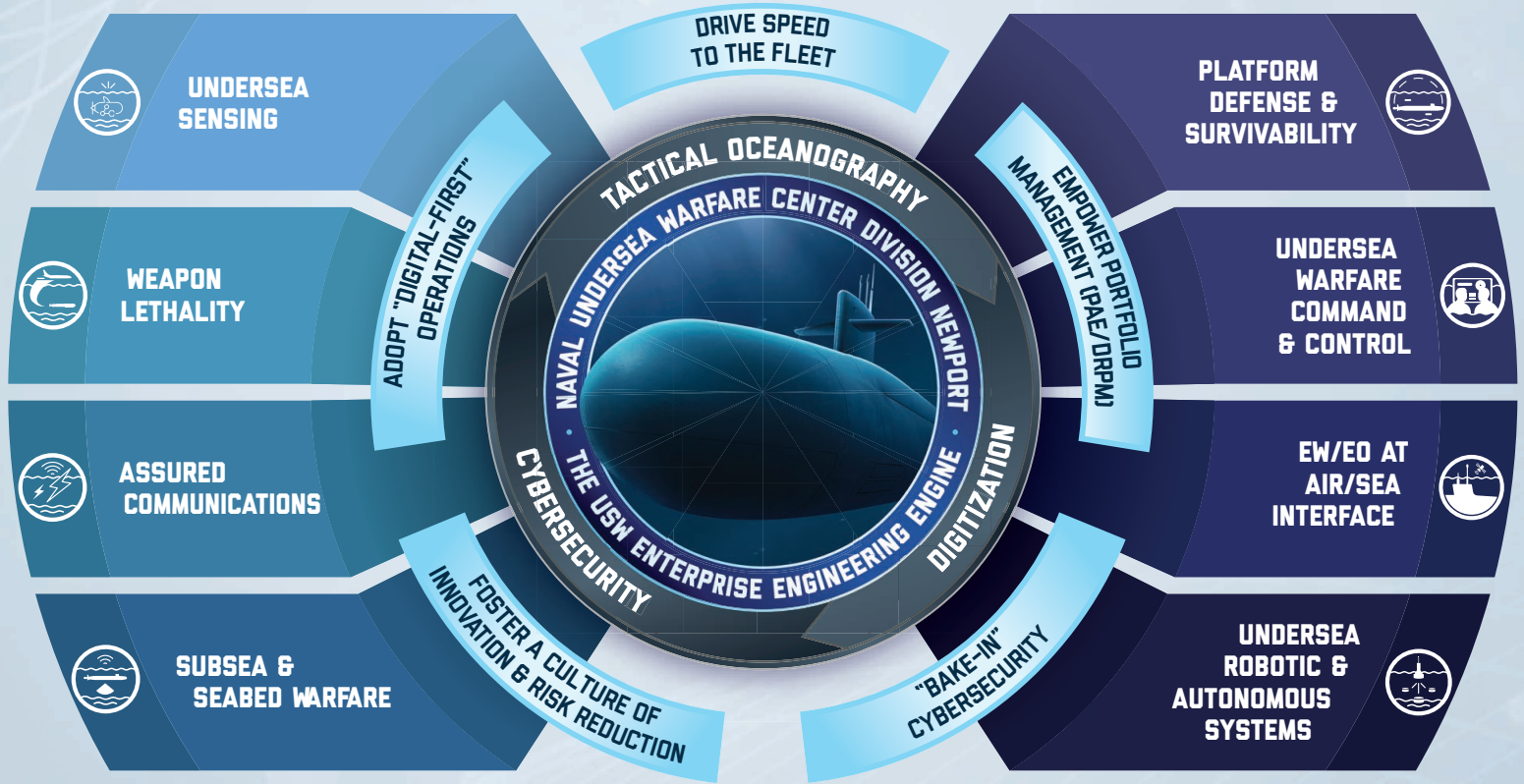
2035

CAPABILITY FOCUS AREAS

This Strategic Vision is on our horizon. To reach it, we must first understand where we are and then chart our course. Think of it as a journey: we know our destination, but we need a detailed map to get there.

These Capability Focus Areas are the critical landmarks on our map, they are the foundational capabilities the warfighter needs in order to execute critical missions with decisive effect.

Division Newport's technical leaders are building these maps, starting by defining our Capability Focus Areas.



MASTERY OF THE SEAS AT ALL DEPTHS 2035



Division Newport technology added new Fleet capability

“RPG-of-the-Sea,” a compact, inexpensive, and highly producible undersea weapon successfully completed its initial in-water component testing in January. This test is a major milestone for Division Newport, as it marks the first time in more than 20 years that the Division has performed an in-water test on a new torpedo component that was completely designed, integrated, and built at Division Newport.

The test focused on the vehicle’s ability to provide outstanding performance in a very small form-factor. In April, the team followed up with an integrated vehicle test and an end-to-end system test in June. “RPG-of-the-Sea” is poised to become an indispensable new capability, offering an unprecedented combination of affordability, portability, and cutting-edge technology.

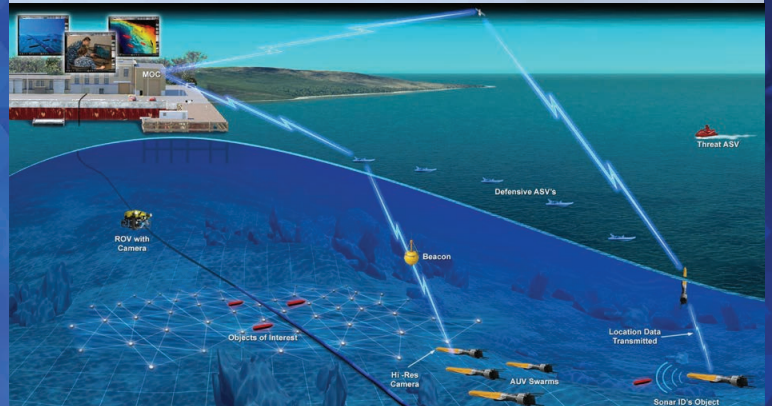


Successful in-water tests completed for unmanned systems

In January, Division Newport completed a 48-hour continuous mission in Narragansett Bay with an Elver Unmanned Undersea Vehicle in support of the Joint Undersea Surveillance and Targeting (JUST) Joint Capabilities Technology Demonstration. The vehicle was configured with micro-synthetic aperture sonar arrays, JUST payload bottle, and onboard automated target recognition. This mission included four wide area surveys followed by re-inspections on the top five contacts of interest; all surveys and re-inspections were successfully completed, followed by data analysis.

Submarine fleet leaders addressed Combat Systems Course participants

Highlighted by more than three dozen technical briefings, presentations, and keynote speakers, the latest edition of the Submarine Combat Systems Course was held in January. The Submarine Combat Systems Course started in the 1990s through a partnership with the Massachusetts Institute of Technology. Eighty-five members of the workforce enrolled in this session, which coincided with the technical excellence focus month theme of “Combat Systems.” The five-day, secret-level course provided students with an overall understanding of submarine combat systems and the factors that drive system capabilities, including examining submarine missions, warfighting scenarios, and the applicable operating environments that impact platform design.



Division Newport supported Los Angeles-class platforms' vertical launch systems

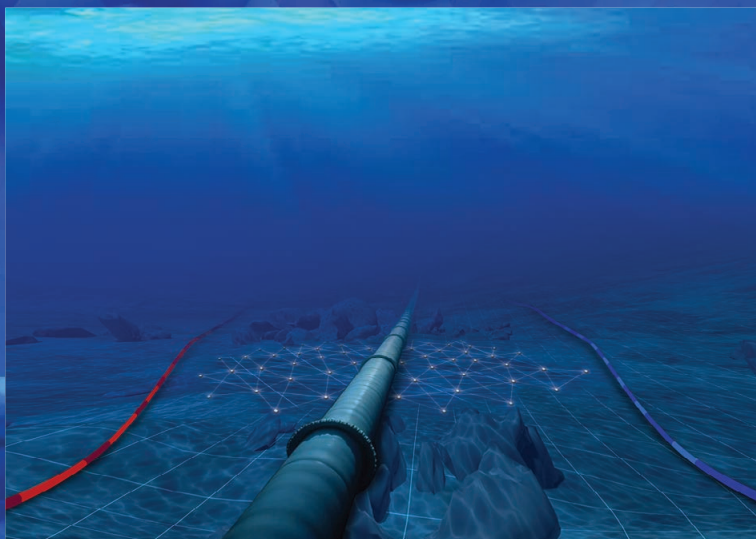
In late January and early February, Division Newport's Vertical Launch System In-Service Engineering Agent (ISEA) provided onsite support to multiple Los Angeles-class platforms during planned waterborne selected restricted availabilities in Guam and Pearl Harbor. This ISEA support, requested by the Type Commander, has had positive impacts finding schedule efficiencies through assistance with critical spare delivery, maintenance execution guidance, and warfighter training. Older boats in particular benefit from this effort's enabling efficiency of maintenance periods and keeping the boats off the pier as operational cycles and "blue days" increase.



Torpedo program advanced with new operational software

The Sea Archer program achieved a major milestone with the successful completion of an operational demonstration off the coast of Panama City, Fla. This demonstration showcased the program's ability to successfully deploy a torpedo equipped with specialized Sea Archer operational software. This achievement marks a significant advancement in enhancing naval capabilities, demonstrating a cost-effective and readily deployable solution for maritime operations. The demonstration met all test objectives, confirming the reliability and effectiveness of the Sea Archer system in a real-world scenario.

The success of this demonstration was the culmination of a two-year collaborative effort involving rigorous software development, testing, and integration. Utilizing an agile systems engineering approach, the Division Newport team developed and refined the Sea Archer operational software, employing hardware-in-the-loop simulations and at-sea testing to ensure optimal performance within the proposed concept of operations. This process ensured seamless integration and compatibility across all system components. The successful demonstration paves the way for transitioning the Sea Archer capability from a technology demonstration to an operational asset, significantly enhancing the Navy's undersea warfare capabilities.



Training in tactical oceanography provided to Fleet operators

Division Newport's Sonar Analysis Facility team worked as part of the tactical oceanography efforts with the goal of combining oceanographic and acoustic expertise into a single program to better support the use of the environment in the decision-making process. The team created training products that were later used for select crews prior to deployments. The products being developed are highly desired and Navy leadership has taken a greater interest in seeing these efforts' continued growth.



Team reached numerous technical milestones during collaborative test event

In March, Division Newport executed a successful Signal Analysis System Deep Water Test Event at the Atlantic Undersea Test and Evaluation Center (AUTEC) in the Bahamas. This high-impact, mission-critical event brought together more than 200 participants, including technical experts from Division Newport, warfighters, and dedicated support personnel. Critical operational support was provided by members of four helicopter squadrons from Mayport, Fla., whose contributions enabled dynamic weapon firings and advanced operational training for crew members. Key stakeholders included representatives from the Undersea Defensive Warfare Systems Program Office, the Office of Naval Intelligence, Penn State University Applied Research Laboratory, and the Woods Hole Oceanographic Institution.

The event, conducted aboard a Virginia-class submarine, accomplished a series of high-priority technical milestones, including the demonstration of next-generation SONAR capabilities—advancing undersea platform interoperability, effectiveness, and survivability. These efforts were further complemented by cutting-edge acoustic experimentation in support of broader undersea warfare initiatives. Despite compressed timelines and rough sea conditions, the team operated 24/7 over four intensive days to execute multiple concurrent test plans and maximize data collection. The insights and data captured during this event will directly inform months of post-analysis and fuel critical upgrades to software and hardware capabilities across the Navy's submarine force.



Detachment provided Fleet with tracking services for test events

AUTEC continued to provide a multitude of range services in support of the Navy's Fleet Training and Readiness, Research, Development, Test and Evaluation missions. The Range operations statistics for the 2nd quarter of fiscal year 2025 included 235 hours of tracking on range, 142 hours of non-tracked hours, 52 torpedo

firings, 30 anti-submarine (ASW) target launch and recoveries, three submarines, and 27 ASW aircraft. Fleet training events included two weeks of the Helicopter Advanced Readiness, P-8 ASW/electronic warfare events, and two tactical weapons proficiency certifications.



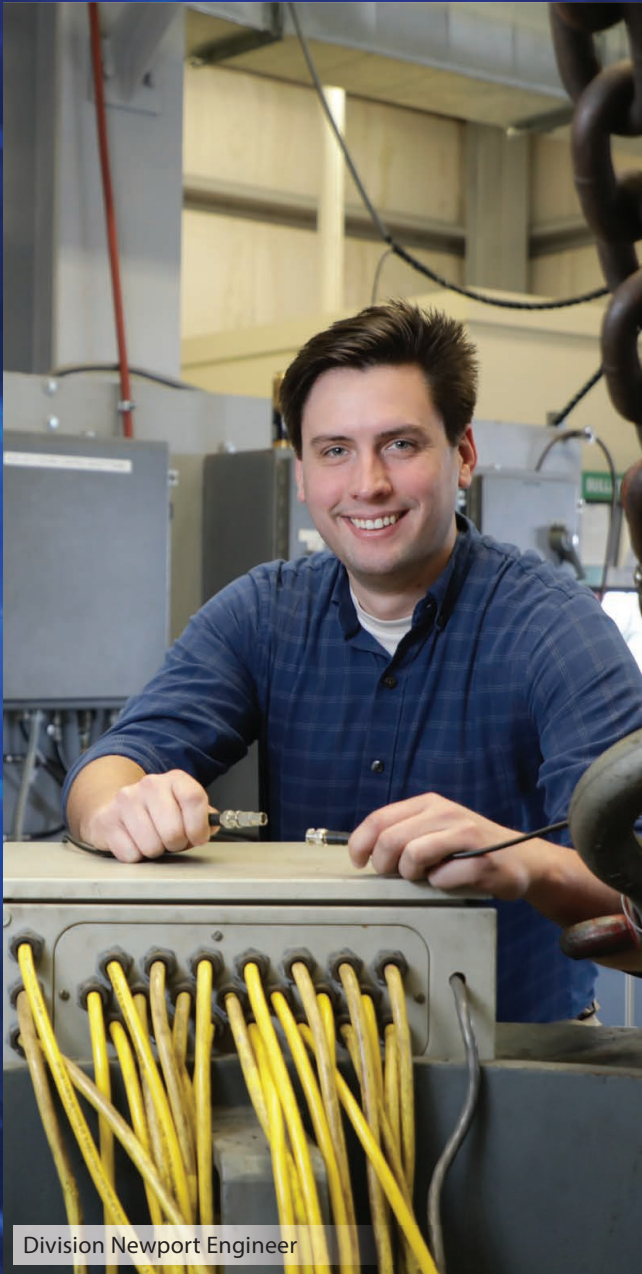
Sensors and SONAR Systems team added test capability at significant cost savings

The Towed Systems/Advanced Development team successfully demonstrated fully automated towed array calibration at Division Newport. This project aims to transform the Test Tank Facility into a production facility capable of conducting future towed array calibrations, replicating the capabilities of the Leesburg Calibration Facility in Florida. This new capability will reduce the Navy's reliance on a single facility for these critical calibrations, offering significant cost and time savings by enabling calibration local to the Naval Array Technical Support Center. The automated system utilizes a platform spanning the tank, a motorized reel for the towed array modules, an acoustic projector, reference hydrophones, and integrated real-time processing equipment.



Division Newport employees supported robotics competition at University of Rhode Island

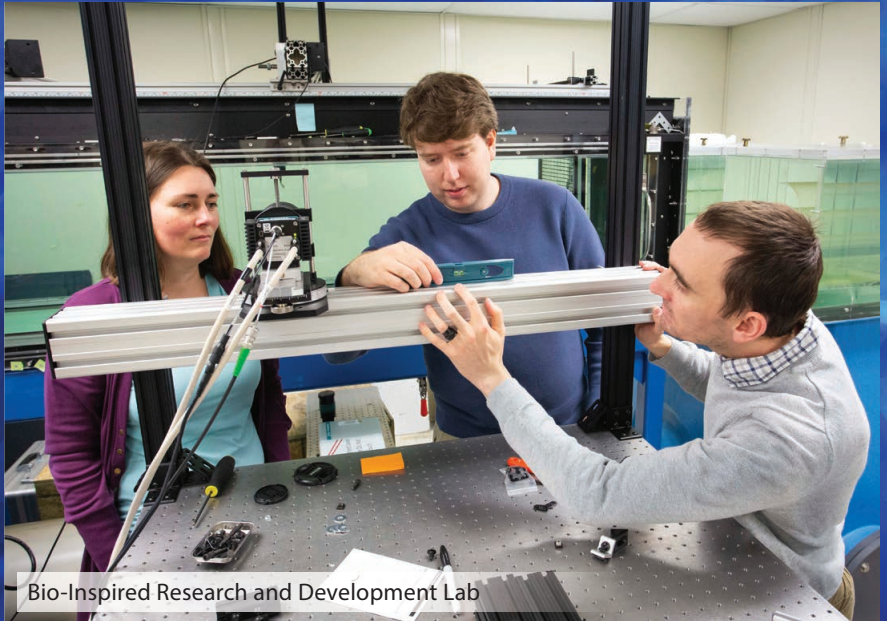
Team 78 AIR STRIKE, sponsored by Division Newport and mentored by its scientists and engineers, reached the final round of the FIRST Robotics Competition (FRC) New England regional event held in March at the University of Rhode Island. FRC is a large-scale terrestrial robotics competition in which high school students, assisted by STEM professionals, build, wire, and program custom robots within an eight-week period, then pilot them in head-to-head competitive matches.



Division Newport Engineer



Etter Award Winners



Bio-Inspired Research and Development Lab



Intelligence Briefing



Patent Award Winners



Lab Tour



Ste Ranges, Engineering and Analysis Department Panel



Anechoic Chamber Tour



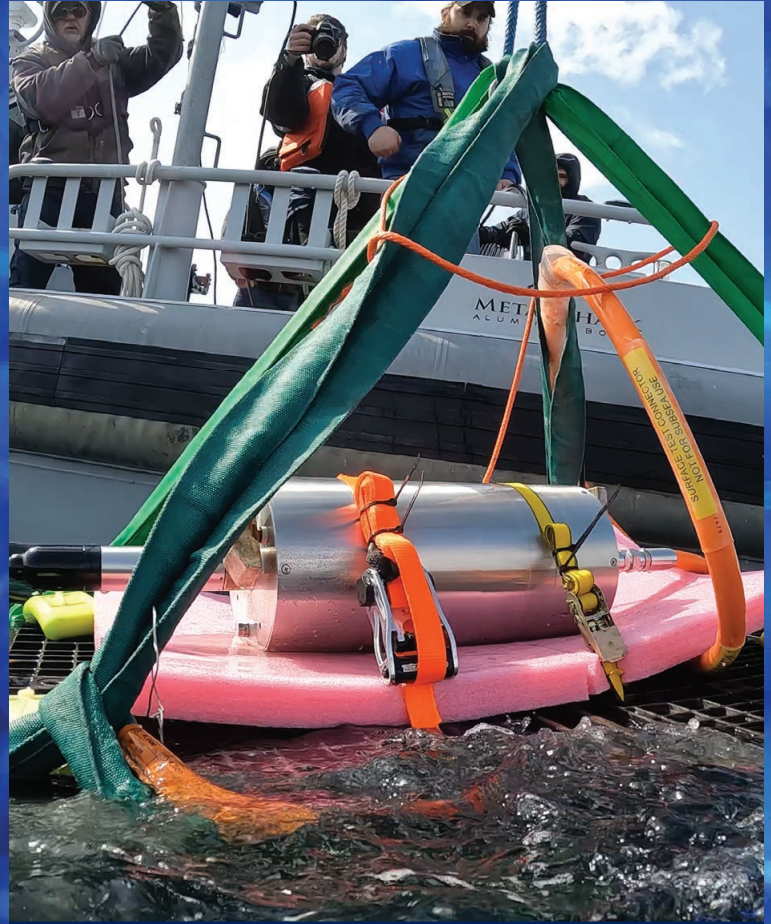
Field Team Meeting



Guest Speaker CDR Baggett

Australian Department of Defence air vice-marshal toured Division Newport

The United States and Australia have a long-standing military relationship that continues to grow through collaboration. In April, Division Newport welcomed Air Vice-Marshall Gerry van Leeuwen, head of Guided Weapons and Explosive Ordnance Systems for the Department of Defence of Australia, for a series of discussions and a tour of the command. The two navies leverage their own capabilities, experiences, and operational environments to achieve maximum synergy in the heavyweight torpedo enterprise. The partnership demonstrates a shared commitment to maintaining free and open global maritime commons.



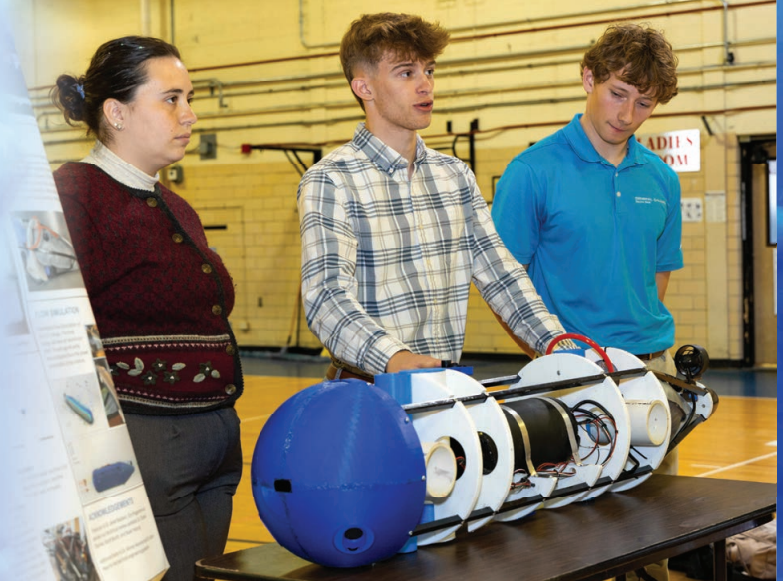
Underwater node opened aperture for technology testing at Division Newport

A new test node at Division Newport's Narragansett Bay Test Facility (NBTF) will allow the research and development community to explore innovative technologies at various depths of the ocean. Known as the Maritime Test Bed East (MTBE), this system provides secure, reliable, and scalable seabed power and data services for the development and evaluation of submerged devices under test. Situated within the shallow water of the NBTF breakwater, MTBE provides a common undersea interface and is connected to a shore-side CONEX box for monitoring and data collection. The MTBE serves as a crucial proving ground for researchers, allowing them to refine and de-risk their technologies before deploying them in more challenging environments, such as the deeper waters offered at the Maritime Test Bed West off San Clemente Island in California. A collaborative effort three years in the making, the MTBE is a joint project with the Sensors and SONAR Systems Department, the Ranges, Engineering and Analysis Department, and the Undersea Warfare Combat Systems Department. Once fully operational, the MTBE will be available to Division Newport, other Navy laboratories, industry partners, and academic institutions. While physical installation and initial operating capability of the MTBE was completed in 2024, full operational capability was completed in March 2025.

University students shared Capstone projects

Roger Williams University senior design teams, and their Division Newport mentors, presented their unmanned underwater vehicle capstone projects to Division Newport staff in April. Students were tasked with constructing a vehicle within an allotted budget that can detect a sound source, autonomously approach that source, drop a payload on the noisemaker, and return to its starting position. Deputy Technical Director Stephen O'Grady was among the employees to view the projects. He spoke to each student, asking them about their biggest challenges during the process, before offering encouraging words.

"These kinds of projects are invaluable," O'Grady said. "As you prepare for the job market, this is a great project to talk about. You're tackling a problem that we're working on here at a higher classification level."



Division Newport provided imaging, electronic warfare technical support to forward deployed submarine

Electronic Warfare (EW) and Imaging In-Service Engineering Activity representatives provided on-site support to a deployed submarine in Souda Bay, Greece in the third quarter of 2025. This casualty report visit was in support of both EW and Imaging systems components. Multiple personnel traveled to Greece to assess the problem. Numerous compounding issues were resolved requiring the expertise of several specialized teams and included the challenging logistics to obtain replacement parts overseas on short notice.





Division Newport provided analysis support to Joint Exercise Southern California

Division Newport personnel were on-site at U.S. Pacific Fleet (PACFLT), Submarine Fleet Pacific (SUBPAC), and Combined Task Force (CTF) 74 to support Joint Exercise Southern California. This exercise was sponsored by PACFLT and incorporated an INDOPACOM-approved Fleet Undersea Warfare Command and Control (USWC2) experiment. This effort incorporated several lines of effort intended to characterize the command, control, and communications requirements for the Theater Undersea Warfare Commander (TUSWC) to support the PACFLT fires planning and execution cycle.

Lines of effort included coordination with the Joint Information Fires and Effects Center, the Operational Maritime Information Operations Center, and the Sea Combat Commander; integration of unmanned undersea vehicles and the C2 systems into the complete TUSWC C2 picture; execution of time-sensitive anti-surface warfare fires in coordination with 3rd Fleet; and overall gap identification in the TUSWC Command, Command, Control, Communications, and Information systems architecture. The exercise "quick look" report will be used to influence CTF 74 operations during a subsequent exercise.

Torpedo recovery team applied expertise to Submarine Command Course

Division Newport's Torpedo Recovery Team participated in the Submarine Command Course 84 event at the Jacksonville Shallow Water Training Range in May. This in-water event was designed to evaluate torpedo performance in a flotilla of 18 vessels. This was a first-time, high-value torpedo test event for the Navy. Weapon system development, tactical training, and submarine tactical development will benefit greatly from this exercise. Atlantic Undersea Test and Evaluation Center vessels merchant vessel (M/V) Ranger, M/V Venture, and contracted vessel M/V Go America were instrumental in successfully recovering all weapons without fault or delay, and in turn, allowed for the most realistic environment for the submarines and torpedoes that could reasonably be achieved.



Contracts event strengthened bond between Command, industry partners

A Seaport and Contracts Council meeting in May connected Division Newport with industry representatives to discuss recent government changes, provide a status on small business activities, and answer contract-related questions. More than 80 attendees from 39 different companies attended and questions focused on the long-range acquisition estimate and technical instructions. Overall, the meeting succeeded in bringing together Division Newport and Industry to discuss the future of acquisitions.

Operational demonstration showcased autonomous capability in subsea battlespace

In May, the Division Newport-led Joint Undersea Surveillance and Targeting Joint Collaborative Technology Demonstration program successfully executed an Operational Demonstration, a three-week-long milestone event co-sponsored by the Office of the Undersecretary of Defense Research and Engineering and the Office of Naval Research. The program demonstrated advanced autonomous capability supporting subsea seabed warfare off the coast of Southern California. The event included not only a demonstration of unmanned technology advancement but also the training of personnel across several combatant commands including the United States Northern Command, United States Strategic Command, Mine Countermeasures Group Three, Unmanned Undersea Vehicle Group One, and Commander, Submarine Development Squadron 5 Detachment Bravo.



Program office executive director underscored importance of submarines during visit

During his visit to the Division Newport in May, Mike McClatchey, a member of the senior executive service and executive director, Program Executive Office, Undersea Warfare Systems (PEO UWS), emphasized the critical role the submarine platform and warfare center play in safeguarding our country. In his role, McClatchey is responsible for more than \$25 billion in acquisition, research, development, transition and sustainment of all undersea weapons, countermeasures, combat systems, artificial intelligence, training, and sensor systems. McClatchey develops opportunities for undersea enterprise capabilities and cross-domain effects by guiding and integrating efforts across PEO UWS, Team Submarine, and the undersea domain portfolio. He also is dual-hatted as the Undersea Warfare Chief Technology Officer Executive. PEO UWS is Division Newport's largest customer with about 24% of the warfare center's services rendered accounted for by this program executive office.

Submarine Group 7 Commander toured Division Newport facilities

Division Newport welcomed Rear Admiral Lincoln Reifsteck, Commander of Submarine Group 7 and Task Forces 54 and 74 based in Yokosuka, Japan, in May.

"Our mission is peace through strength. To that end, we will sustain undersea warfighting readiness and continue to strive for seamless interoperability with our partner and allied forces," Reifsteck said. "The work done at NUWC is critical to our mission. It is delivering capabilities to our warfighters so they can maintain lethality and dominance in the undersea today and for years to come."

The tours and discussions with Division Newport personnel gave Reifsteck insight into the latest updates to future warfighting tools at his disposal, while also providing warfare center employees an understanding of emergent fleet needs. The visit included discussions on Division Newport's advanced command and control efforts, platform interoperability, and near-term unmanned undersea vehicle and unmanned effectors deliveries.



Contracts department set record pace of obligations

Despite Deferred Resignation Program losses of approximately 20% including supervisors and senior Contracting Officers, Division Newport continued to achieve a record-setting pace of executing more than \$303 million in contract obligations during the third quarter of 2025, bringing the obligation total to a record \$793.4 million.



Information technology team successfully rolled out large-scale migration

Division Newport's Information Technology (IT) team led the Command's initiative to successfully migrate more than 7,000 computers to a new operating system, overseeing all phases of the project from planning to execution. With the goal of minimal disruption to daily operations, this team ensured the Command met the required deadlines on time while improving system performance, security, and user experience across the organization. The team deployed more than 5,000 assets during the tech refresh, ensuring seamless installation and configuration across the command and multiple detachments. Over a seven-month period, the IT team managed the end-to-end process from asset tracking and logistics to end-user support as well as rolled out the process that expedited Nautilus conversions. Standing up this process allowed Division Newport to boost Nautilus conversion metrics and put the Command in better standing with regard to Windows 11 conversions.



Tomahawk weapons control, in-service engineering agent teams provided crucial real-time support

Division Newport's SSN Tactical Tomahawk Weapons Control System In-Service Engineering Agent (ISEA) and AN/BYG-1 ISEA teams supported around-the-clock tactical operations for a high-profile event in June. The team acted as primary support, with alternate support from Naval Surface Warfare Center Port Hueneme Division, monitoring chat logs and data collection of Tomahawk Collaboration Tool. The team also assisted with data collection from the Firing Units.



Division Newport applied environmental planning expertise to Fleet projects

Biologists from Division Newport's Mission Environmental Planning Program (MEPP) analyzed elements of Operation Ice Camp 2026 to provide critical marine environmental protection and planning support for submarine testing and training, development of an ice camp, and research activities in the Arctic environment. Operation Ice Camp takes place in the Beaufort Sea in Winter 2026.

In support of other Navy efforts, the MEPP team also developed a sophisticated, spatially and temporally explicit availability bias model using satellite-linked data from tagged loggerhead turtles in the Mediterranean Sea, a significant scientific advancement that improves surveys and positions the Navy at the forefront of best available science for marine species modeling.

Division Newport awarded excellence across technical and business fields

From critical navigation system upgrades to advancements in modeling and simulation, the efforts of the 189 award winners — and all nominees — underscored Division Newport's expertise in the undersea realm to aid the U.S. Navy fleet.

"What a great opportunity this is, to come together and recognize the great work of our teammates," Technical Director Marie Bussiere said in her opening remarks. "These awards are a powerful reminder of why we do what we do. Each day, you continue to demonstrate our unique support to the fleet and our unwavering commitment to delivering critical capabilities to the warfighter."

Commanding Officer Capt. Chad Hennings noted that the ceremony coincided with the 156th anniversary of Division Newport's founding as the Naval Torpedo Station on Goat Island, the Navy's first experimental ordnance facility.

"This rich history of innovation and service is the foundation upon which all of your accomplishments are built," he said. "What you and all of the nominees have done this past year is truly incredible. Ultimately, what you do every day to help deliver capabilities to the fleet is just awesome."

The success of Division Newport's external awards program is a result of sustained commitment from the senior leadership team to ensure the workforce and command are recognized for outstanding performance at every level

Warfare Centers Awards

Automated Technical Representative Tool Team
Bridge Light Team

Continuous Integration/Continuous Deployment Team
Mark 48 Mod 4 Torpedo Firings Team

Security Technical Implementation Guide Manager Team
Surveillance Towed Array Sensor System-E Team
Shallow Water Urgent Build Team

Submarine Force Wargaming and Experimentation Center Team
Tomahawk Fleet Support Team

DoN Meritorious Civilian Service Awards

Thomas Biddulph
John Tod Michaelis
Mary Medeiros
Carl Lindstrom
Peter Estrela
James Sheehy
Tony Morrison

Department of Navy Civilian Service Commendation Medal

Dillon Savitzky

American Society of Naval Engineers Awards

Michael Connelly
Dr. Thomas Ramotowski

NAVSEA Excellence Awards

Submarine Multi-Mission Team Trainer Team
Unmanned Systems Team

Delores M. Etter Top Scientists and Engineers for the Year Awards

In-Service Support Team
Dr. Michael Warnock

National Defense Industrial Association Bronze Medal

Joseph Casey
Joseph DiBiase
Dr. Lynn Antonelli

Program Executive Office Integrated Warfare Systems Excellence Award

Advanced Capability Build 2023 Step 4 Team
Multifunction Towed Array Line Cutter Team

NDIA Lt. Gen. Thomas R. Ferguson, Jr. Systems Engineering Excellence Award

Jonathan Fraser



Chief Technology Officer Presentation



Library Staff



Annual Award Winners



Propel Launch



Winning Team



Patent Awards



Annual Awards



Advanced Degree Program Graduates



Innovators Panel



AUKUS Visit



Honoring a Colleague



Solar Panels Delivered



Engineering Innovation Panel



Shark Tank



Engineer in the Spotlight



International Programs Panel



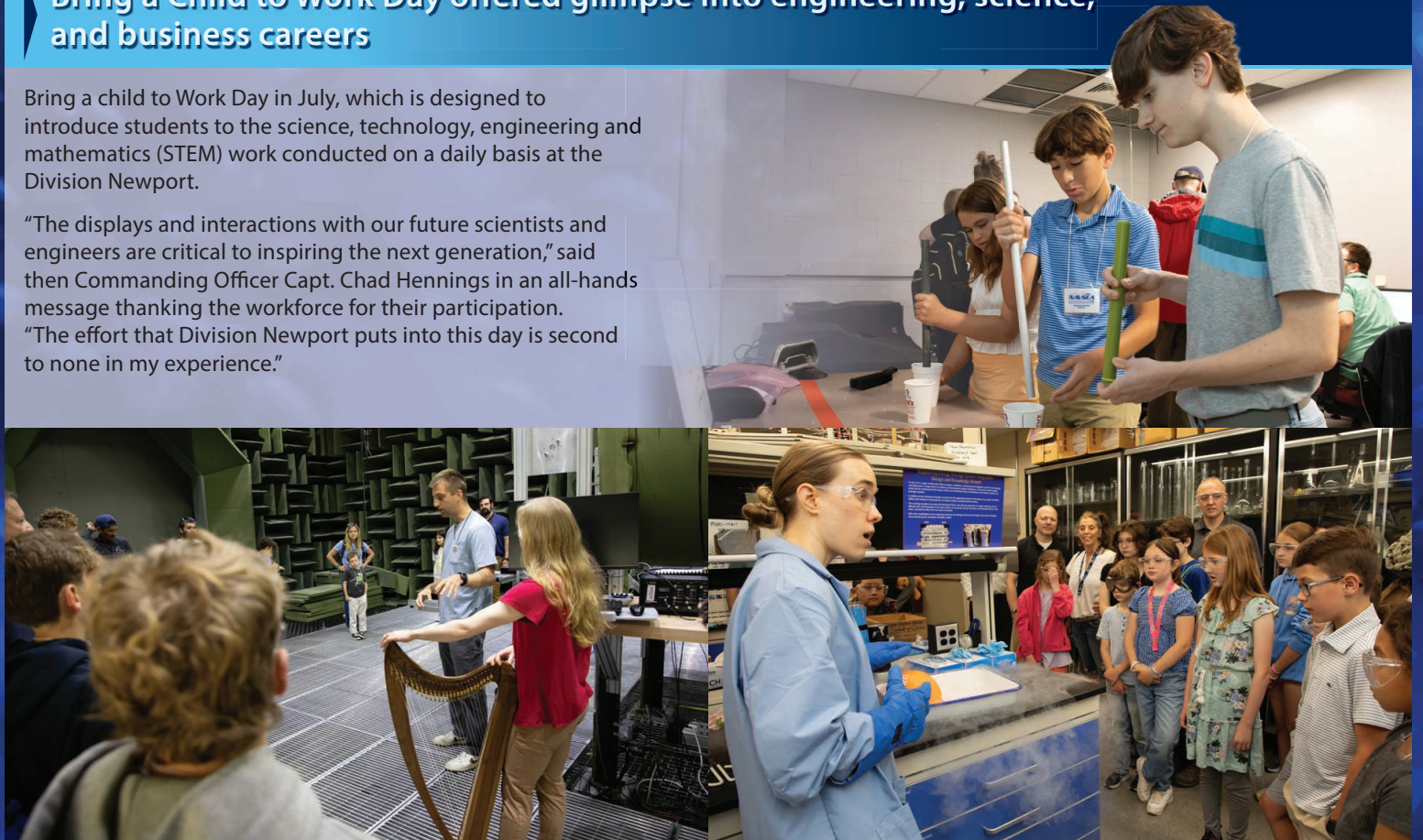
NAVSEA Commander toured Division Newport, shared perspective with workforce

Christopher Miller, executive director of the Naval Sea Systems (NAVSEA) Command, visited Division Newport in July to engage the workforce and get a deeper understanding of how the warfare center is aligned with NAVSEA's lines of efforts. During his tour, Miller learned how Division Newport supports the on-time delivery of ships from shipyards, aligns with program management stakeholders, collaborates with industry, and delivers capability to the warfighter. To provide additional support, Division Newport personnel "are the eyes and ears on-site" at General Dynamics/Electric Boat to handle all aspects of the non-propulsion electronics system. At the end of his visit, Miller participated in an episode TDBits, a video series hosted by Division Newport's Deputy Technical Director Steve O'Grady.

Bring a Child to Work Day offered glimpse into engineering, science, and business careers

Bring a child to Work Day in July, which is designed to introduce students to the science, technology, engineering and mathematics (STEM) work conducted on a daily basis at the Division Newport.

"The displays and interactions with our future scientists and engineers are critical to inspiring the next generation," said then Commanding Officer Capt. Chad Hennings in an all-hands message thanking the workforce for their participation. "The effort that Division Newport puts into this day is second to none in my experience."



Division Newport supported Fleet availability

In July, Division Newport's Towed Array Handling Equipment Facility (TAHEF) supported an urgent requisition from USS Pennsylvania supplying a much-needed data box for its Releable Towed Array Handling System (RTAHS). The team overhauled and tested a decommissioned data box in less than two days and then expedited shipping to Puget Sound Naval Shipyard. The data box is integral to the functionality of the RTAHS by providing positive scope count of the towed array indicating the length of cable that has been deployed from the RTAHS. TAHEF also has successfully procured, assembled, and tested a much-needed handler swing set system to support planned installations on Fleet availabilities. Having an additional handler set on site and ready for installation reduced refurbishment time by at least 18 months to more effectively support Fleet availability schedules.



Chief Technology Office hosted enterprise-wide research forum

Scientists and engineers from across the Naval Research and Development Establishment, along with Directors of Research and Chief Technology Officers, attended Division Newport's Basic and Applied Research Forum with the theme of "Autonomy and Unmanned Systems." The event included colleagues from the Naval Air Warfare Center (NAWC) Weapons Division, NAWC Aircraft Division, the Naval Surface Warfare Center (NSWC) Carderock Division, NSWC Panama City Division, NSWC Crane Division, and NSWC Dahlgren Division. In addition to sharing

research, the forum introduced a "Collaboration Challenge" where Chief Technology Offices from various warfare centers set aside funding to foster collaborative projects. The winning projects will be selected by a panel of Directors of Research. Research areas to support a hybrid fleet include foundational autonomy, simulated verification and validation, resilient persistent autonomy, mission autonomy, collaborative autonomy, adversarial autonomy, and robotics and vehicle control.



Successful unmanned vehicle torpedo tube launch and recovery testing completed at Seneca Lake

In late July, Division Newport supported the Huntington Ingalls Industries (HII)-conducted testing of their unmanned undersea vehicle (UUV) torpedo tube launch and recovery capability at Division Newport's Seneca Lake Sonar Test Facility in Dresden, NY. The tests utilized Remote Environmental Monitoring UnitS (REMUS) 620 engineering vehicle with the Woods Hole Oceanographic Institution-developed vehicle nose and control algorithms developed for what is now the Mark 19 Mod 1 system managed by the Unmanned Maritime Systems Program Office. The test also employed the same program's baseline Shock and Fire Enclosure Capsule (SAFECAP) and shutterway test fixture developed by Division Newport. The testing yielded valuable control and performance data, culminating in a successful recovery of the vehicle into the SAFECAP prior to demobilization.



Technology demonstration highlighted industry-warfare center collaboration

Fifteen technology companies participated in a mission-driven prize challenge, and dozens of others exhibited their capabilities in August during the 2025 Blue Technology Innovation Demonstration Event (BlueTIDE) held at Division Newport's Narragansett Bay Test Facility and Sail Newport at Fort Adams State Park. Hosted by the Northeast Tech Bridge in conjunction with nonprofit partner 401 Tech Bridge, BlueTIDE connected innovative businesses with U.S. Navy scientists and engineers and Department of War stakeholders to facilitate rapid delivery of capabilities to the warfighter. This particular event focused on subsea and seabed warfare with the aim of connecting industry innovators with government problem "owners" in an operationally relevant environment. Division Newport launched the prize challenge in March and sought companies to take part in a mission centered on the monitoring and protection of undersea infrastructure.

More than 60 businesses applied from across the globe, including the United States, the United Kingdom, Canada, Norway, Finland, Greece, Switzerland and India. After a multi-phase down-select process, 15 businesses advanced to the in-water demonstration at the NBTF. Technological focus areas included autonomous undersea vehicles, cross-domain communications, high-resolution undersea imaging, and various types of sensors. Engineers and scientists from across Division Newport's technical departments evaluated the companies as they performed in a mission vignette, which involved collecting and analyzing information about a potential threat to the infrastructure and reporting it back to the Maritime Operations Center for response mobilization. At the end of the competition, the four companies with the top-scoring technologies were awarded \$50,000 each. The Office of Small Business (OSBP) team also supported BlueTIDE by providing the acquisition expertise to make the awards to the prize challenge winners.

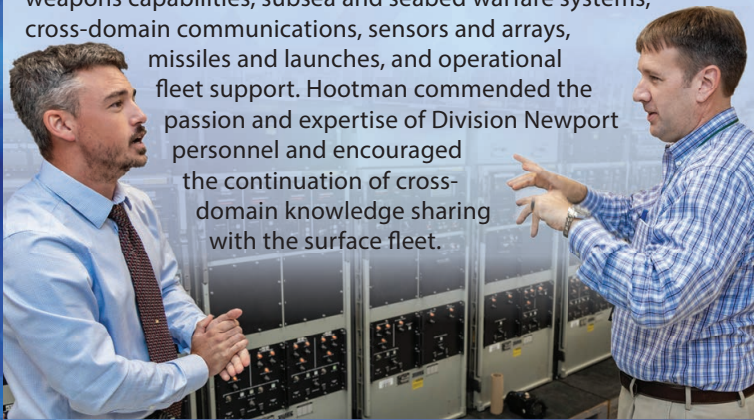


Technical Director shared strategic vision at industry event

Led by Technical Director Marie Bussiere, Division Newport unveiled its 10-year strategic vision and outlined industry's role in that initiative during a panel discussion at Southeastern New England Defense Industry Alliance (SENEA) Defense Innovation Days held in August at the Newport Marriott. The strategic vision, Mastery of the Seas at All Depths 2035, aims to expand the battlespace from the seabed to space, drive the integration of technology, and strengthen partnerships with industry to accelerate the delivery of systems and platforms to the warfighter. Before the wider discussion, Bussiere delved deeper into the Mastery of the Seas at All Depths 2035 vision and detailed a new set of capability focus areas where Division Newport provides engineering and technical expertise. These include undersea sensing, weapon lethality, assured communications, subsea and seabed warfare, platform defense and survivability, undersea warfare command and control, air-sea interface, undersea robotic and autonomous systems, tactical oceanography, cybersecurity and undersea data science and digitization.

OPNAV visit highlighted warfare center, industry work

John Hootman, Assistant Deputy Chief of Naval Operations for Warfighting Requirements and Capabilities (OPNAV N9B), visited Division Newport in August, meeting with leadership, scientists, and engineers to deepen his understanding of the Navy's undersea warfare mission. In his current role at OPNAV N9B, Hootman provides professional and technical advice on budget matters pertaining to naval warfare and coordinates the decisions on Navy programs. Traveling from Washington D.C., Hootman also made stops at Electric Boat in North Kingstown, RI, and Naval Surface Warfare Center Philadelphia Division. Discussions with leadership focused on platform engineering, improved weapons capabilities, subsea and seabed warfare systems, cross-domain communications, sensors and arrays, missiles and launches, and operational fleet support. Hootman commended the passion and expertise of Division Newport personnel and encouraged the continuation of cross-domain knowledge sharing with the surface fleet.



Inspector General visit recognized Division Newport's contributions to research and development

Naval Inspector General Vice Adm. John Fuller visited Division Newport in August as part of an assessment of Navy installations and activities throughout New England. The assessments by the Office of the Naval Inspector General are designed to evaluate effectiveness and risk among the various commands delivering service to fleet units, to include installation programs, systems command components, type commanders, and resource providers. Fuller's schedule included tours and technical briefings highlighting Division Newport's role at the forefront of undersea warfare research and development.



Cybersecurity team successfully completed capstone event

In August, Division Newport's OPNAV N975 Cyber Pillar Project SHIELD Team concluded the TRIDENT SHIELD Phase II (TSPHII) At-Sea Capstone Event. The SHIELD team rigorously assessed multiple cybersecurity countermeasures (CMs) for Fleet readiness that enhance the resiliency and survivability of the Strategic Submarine Fleet in the event of a cyber incident. Prior to the at-sea event, the SHIELD Team assessed and a third-party Red Team validated CMs during multiple test events and a dockside platform test event earlier in the year. The TSPHII At-Sea event identified operational and mission impacts of the cybersecurity CMs in real-world scenarios. The at-sea event included a demonstration of a large language model artificial intelligence (AI) capability aboard

a submarine. The demonstration provided insights into potential use cases and AI capabilities that could be rapidly deployed to a submarine. The at-sea event also demonstrated the operational effectiveness of several cybersecurity CMs. Ship's Force feedback was critical to ensure the readiness of related procedures and operational guidance as well as identified required improvements to crew training related to cybersecurity CMs. Execution of the event included subject matter expert support from several Division Newport teams including the Consolidated Afloat Network Enterprise Systems team, the Common Submarine Radio Room team, King's Bay Detachment, and the military detachment.



Division Newport supported in-water testing for Office of Naval Research

Engineers and scientists across the warfare center enterprise joined industry partners at the Division Newport's Narragansett Bay Test Facility (NBTF) for a Technology Operational Experimentation Event (TOEE) held in September. Sponsored by the Office of Naval Research (ONR), this event gathered technologies for a collaborative assessment of the subsea and seabed warfare (SSW) mission area. While this was ONR's second TOEE event in 2025, it was the first to tackle the SSW battlespace. The ONR team developed a mission that provided realistic boundaries in which the technologies would operate.

The team selected 20 technologies to demonstrate capabilities in a series of limited-objective experiments. These events allowed technology owners to demonstrate their communication- and detection-capable technologies in the water.

During the in-water testing, Mr. Steve McShane, the executive director of Submarine Forces, was able to observe testing to understand what the NR&DE is trying to accomplish. Division Newport is just one of the warfare centers working on SSW and these events help the Navy labs understand what the warfighters need and what the enabling technologies are so they can make an impact in a challenging battlespace.



New Commanding Officer took the helm at Division Newport

Capt. Kevin J. Behm became the 72nd commanding officer of Division Newport as he relieved Capt. Chad F. Hennings during a change of command ceremony held in September. Behm, a 2004 graduate of the U.S. Naval Academy, most recently served as the commanding officer of the USS Hartford (SSN 768). His previous submarine tours include the USS Oklahoma City (SSN 723), USS Georgia (SSGN 729), USS Florida (SSGN 728) and USS New Hampshire (SSN 778).

Ashore, he served as shift engineer at the Nuclear Power Training Unit, junior board member on the Pacific Fleet Nuclear Propulsion Examination Board, and chief of operations for the Office of Stockpile Sustainment at the National Nuclear Security Administration.

"As your new commanding officer, I am committed to enabling your success, supporting your innovation and leading in a way that reflects the importance of our mission and the excellence

of this team. I'm energized by what lies ahead. Together, we will continue to push the boundaries, solve hard problems and deliver the warfighting advantage that our nation needs," said Behm.



High-level visitors descended on Division Newport following industry conference

With the National Defense Industrial Alliance (NDIA) Undersea Warfare Fall Conference taking place in September in nearby Groton, Conn., many attendees took the opportunity to pay a visit to Division Newport. The warfare center welcomed leaders throughout all aspects of the Navy, demonstrating Division Newport's commitment to working with the fleet. Visitors included: Rear Adm. Christopher Cavanaugh, Commander, Submarine Force, U.S. Pacific Fleet; Mr. Steven McShane, executive director, Submarine Forces; Capt. Brandon Monaghan and Jason Durst; Conventional Prompt Strike Major Program Manager for Strategic Systems Programs; Capt. Gene Severtson; Capt. Bennett Christman, Commander, Submarine Development Squadron; Capt. David Vehon, senior program manager, Submarine Combat and Weapons Control Program Office; Mr. Fred Capria, N7A, CSF, U.S. Pacific Fleet; and Rear Adm. John Stafford, Commander, Undersea Warfighting Development Center.



Mission analysts supported tabletop exercises in Japan

Division Newport participated in the Fleet Battle Problem Tabletop Exercise (TTX) in Yokosuka, Japan in September sponsored by COMPACFLT N9WAR and hosted by CTF-74. The TTX focused on key operational problems and Navy concept of operations for particular phases of the fight. The workshop, executed by the Center for Naval Analysis, was attended by planners from CTF-74, CTF-72, CPF N9WAR/Fires, COMSUBPAC, the Undersea Warfighting Development Center, Aggressor Squadron, Johns Hopkins University Applied Physics Lab, Commander Seventh Fleet, Surface and Mine Warfare Development Command, Naval Surface Warfare Center Panama City Division, and Division Newport.



Captain Grizzle Visit



USS Billings Tour



Space Force Visit



Sensors and Sonar Systems Team



Engineer in the Spotlight



Cyber Team



Experimental Payloads Group



Submarine Bridge Trainer



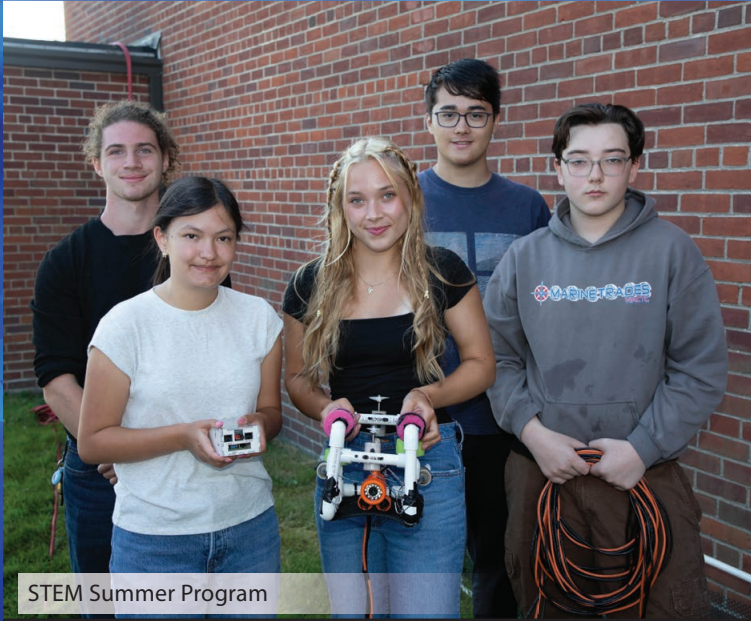
Captain Behm Podcast



Lunch with Leadership



Engineer in the Spotlight



STEM Summer Program



Advanced Degree Graduates



Chaplain Visit



RDML Small Briefs Industry

Employees tested their cybersecurity skills during 'Cyber Resilience' month

Kicking off October's annual technical focus of "Cyber Resilience," approximately 100 employees with varying degrees of skill and experience took part in the "Capture the Flag" hacking competition in the Undersea Warfare Rapid Innovation Center. The competition involved 18 challenges that incorporated cyber disciplines like cryptography, steganography, password cracking, and data

collection. Commanding Officer Capt. Kevin Behm, who visited during an afternoon session, said, "This is a great hands-on way for people to learn about cyber."



First sensor accuracy test of a German ship conducted at AUTEK

In October, a German navy ship completed sensor accuracy testing at Division Newport's Atlantic Undersea Test and Evaluation Center (AUTEK) for the first time, marking a milestone for both Germany and NATO's long-running Fleet Operational Readiness Accuracy Check Sites (FORACS) program. The German ship arrived in the U.S. as part of the Navy's 250th anniversary celebrations, but the visit also supported a critical readiness requirement to verify the ship's navigation and combat systems against NATO standards. The ship is the lead of the Berlin-class replenishment ship, the largest vessel in the German navy. The NATO FORACS AUTEK (NFA) team conducted the evaluation through a two-part Sensor Accuracy Test. The first part took place during an in-port phase in Miami, Florida, followed by two days at sea on AUTEK's precision tracking range in the Bahamas. The NFA team embedded aboard the ship to install test equipment and measure the performance of radars, optical sensors, inertial navigation systems and laser range finders.





Workforce crushed road race, fun walk

The mood was light, the crowd was festive, and the conditions were ideal as more than 475 Division Newport employees put their best foot forward and participated in the “We Do it for the Fleet 5K” road race, which included a 3K fun walk. The event marked the first road race on the Division Newport campus since 2021. With potential employee furloughs looming because of the government shutdown, and during a year in which the Deferred Resignation Program cut into the workforce, it offered a much-needed injection of merriment on a sunny autumn day.

“We’ve done two of these in the past five or six years, and this was definitely the most well-attended one,” said Deputy Technical Director Steve O’Grady, who spearheaded the race’s return. “It’s been a hard year, but we can’t control any of that. We needed this. Everyone had a chance to get out, get some exercise, and enjoy each other’s company. And we did it for the fleet.”





E & Q Awards Highlights Excellence

The Command presented its first Engineering Excellence and Quality Excellence awards. The Engineering Excellence, or “E” award, was presented to the Torpedo Propulsion Test Facility team for their exceptional execution a vital heavyweight torpedo propulsion system test. Facing a complex facility undergoing hyperbaric certification, demanding test parameters, and intense scrutiny, the team demonstrated exemplary engineering principles. Rather than compromising on rigor, they adhered to technical procedures, communicated effectively with all stakeholders, and consistently sought improvements. This commitment fostered a strong and healthy engineering culture, providing valuable learning opportunities for junior engineers. The team successfully balanced the need for speed with unwavering technical integrity, embodying the spirit of this award.

Division Newport’s Calibration Lab earned the Quality Excellence, or “Q” award by consistently maintaining the highest standards of adherence to the Quality Management System (QMS). Their meticulous attention to detail in following QMS procedures and work instructions ensure the accuracy and reliability of all calibration services provided. A notable example of their commitment is their active participation and key roles in the recent update of the local metrology and calibration procedure. The team’s contributions were instrumental in streamlining processes, improving clarity, and enhancing overall efficiency within the calibration program. Their active engagement demonstrates a deep understanding of the QMS requirements and a proactive approach to its maintenance.



Briefs showcased important role of detachments

A set of briefings on six of Division Newport’s detachments and two on-site offices explained the important role that each detachment plays in supporting the undersea mission. The November briefings were part of a month-long focus on fleet “Detachments and Dedication.” Much like their “main campus,” the mission of the detachments is to provide engineering analysis and assessment, and fleet support capabilities for submarines, autonomous systems, and offensive and defensive systems for the Ohio-class ballistic missile submarines, Trident-class submarine conversion, Seawolf-class attack submarines, Trident Training Facility, and Trident Refit Facility.

Veterans honored at annual event

The annual “Cup O’ Joe” event, celebrating Division Newport veterans, gave employees a chance to discuss their experiences in the military and swap stories over coffee.



Warfighters shared sea stories

United by their service as U.S. Navy submariners, four men spanning decades in age came together on the stage of Chafee Auditorium in November. The event they attended that day would forge even stronger bonds between them. Spearheaded by Commanding Officer Capt. Kevin Behm and moderated by Deputy Technical Director Steve O'Grady, Division Newport hosted "Passing the Watch: Submarine Generations" to celebrate veterans.

Staged as a talk show with O'Grady serving as the host, the warfighters panel included Behm, retired Lt. Ronald Renner, retired Cmdr. David Kelly and active-duty Sailor Lt. Andrew Emge. The event featured compelling storytelling, plenty of laughter, and a special presentation for the youngest member of the group.



Commander, Submarine Group 10 toured Division Newport

Rear Adm. Robert E. Wirth, commander of Submarine Group 10, visited Division Newport in November for a series of briefings and tours focused on fleet readiness and collaboration between the Navy's ballistic-missile submarine community and the warfare center. Commanding Officer Capt. Kevin Behm and Technical Director Marie Bussiere provided Wirth an overview of the command's mission, technical capabilities, undersea systems modernization, and expanding role.

"At the 10,000-foot level, Newport is one of 10 warfare centers — but one of only two undersea warfare centers," Behm said. "We're the nexus of the industrial complex. We understand the fleet's needs, we understand what the government and industry need, and we work between those key players with a focus of getting those programs and capabilities out to the fleet."

Wirth said that focus aligns directly with his command's priorities. "We try to keep the Sailor right at the center of our universe and do all we can to support the warfighter."





▶ Commander Submarine Group Two expressed gratitude for warfare centers during visit

Rear Adm. Melvin R. Smith, commander of Submarine Group Two, visited Division Newport in December, delivering a message of gratitude to the workforce before receiving a series of briefings on emerging undersea technologies. Smith oversees the U.S. Navy's Undersea Hybrid Fleet Executive Steering Group, a group focused on the development and delivery of undersea robotic autonomous systems capabilities to the fleet. He toured the command to gain a deeper understanding of Division Newport's role in system development; fielding; and associated command, control, communications, computers and intelligence capabilities.

"There's a debt of gratitude that the nation has for the work that you do here," Smith said. "It's largely unsung — the end-product of your research — the capabilities, the vehicles, the tools, the things that we put into the warfighters' hands. [Sailors] often don't have the tale that goes all the way back to where it began."

Smith said that while new systems often receive attention when they reach milestones or deployment, the foundational research that makes these advances possible rarely receives the public recognition it deserves.

"The big brains, the engineers in here, the smart people in here — they grind it out to figure how to go from the realm of the possible to reality," he said.

Holiday celebrated with new tradition

Division Newport's Civilian Morale, Welfare and Recreation group decked the hall and sprinkled cheer into the season of giving with a holiday cookie party and Candy Gram event in December.



Toys for Tots

Employees at Division Newport dug deep and responded with generosity, compassion and resolve, setting a new command record by donating 1,377 toys to the Marine Corps Reserve's Toys for Tots program. The milestone far exceeded last year's total of 979 donations and marked the largest contribution Division Newport has made since becoming a collection site nearly a decade ago. Among the bikes, basketballs, doll houses, Legos, and skateboards was a giant stuffed pink unicorn affectionately named "Princess Sparkle" by volunteers — a small reminder that the drive was motivated as much by joy as generosity. Volunteers spent hours collecting, counting and boxing donations before

loading them onto a truck bound for the Marine Corps Reserve site in Cranston, Rhode Island. Large, NUWC-donated boxes were "packed to the brim," volunteers said.

As volunteers gathered for a group photo, Commanding Officer Capt. Kevin Behm thanked them for their efforts. "It brings a tear to my eye to see all this hard work," Behm said. "Everybody at NUWC is so generous, but it really takes people behind the scenes to coordinate it all and give them a venue to show that generosity. "It has been a record year, and this is going to do wonders for all of the children. You have made this holiday really, really special."





State of the Division Technical Brief



Winning the Captain's Belt



Lunch with Leadership



Sailor Speaker Event



Bits and Bytes Talk Show



Engineer in the Spotlight



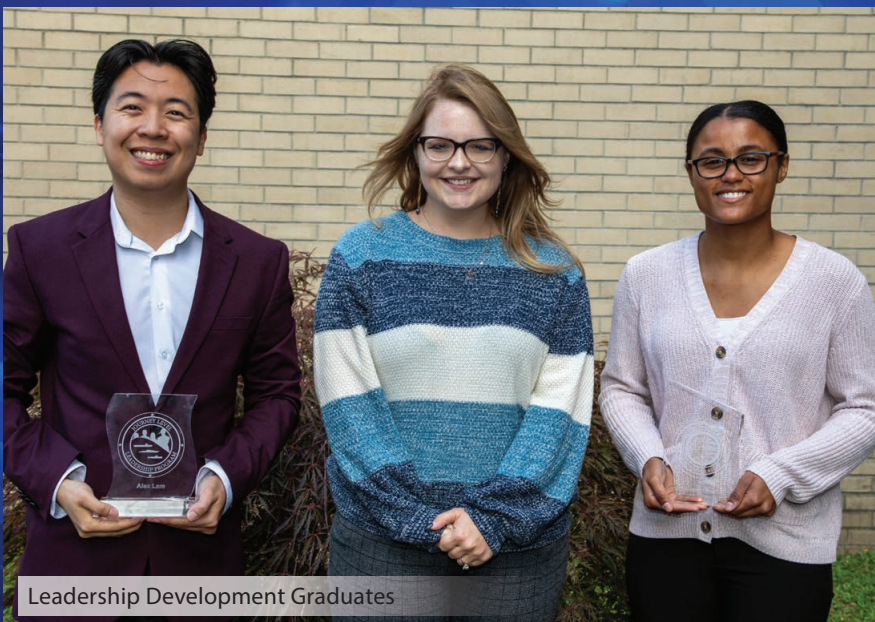
Department Awards



SWOS Visit and Tour



Holiday Party



Leadership Development Graduates

NUWC BY THE NUMBERS

INCOMING FUNDS: \$2.0B

Navy - Marine Corps.....	\$982M
Sponsor Money on Contract.....	\$968M
DOD Other.....	\$14M
Private Party.....	\$23M
Air Force.....	\$10M
Army.....	\$2M
Other Government.....	\$1M



OUTGOING FUNDS: \$2.0B

Contracts.....	\$1.2B
Civilian Payroll & Labor.....	\$618M
Material.....	\$62M
Operational Expenditures.....	\$36M
Property Maintenance/Repair.....	\$58M
Military Payroll.....	\$2M

SMALL BUSINESS OBLIGATIONS



\$356M

INTERNAL PERSPECTIVE

% of Contracts Obligated Funds Awarded to Small Business.....	45%
Number of Distinct Partners.....	185
Number of New Partnership Agreements.....	47

WORKFORCE



Military
.38%



Federal Civilian
48%



Contractor
52%



Rhode Island
68%



Massachusetts
23%

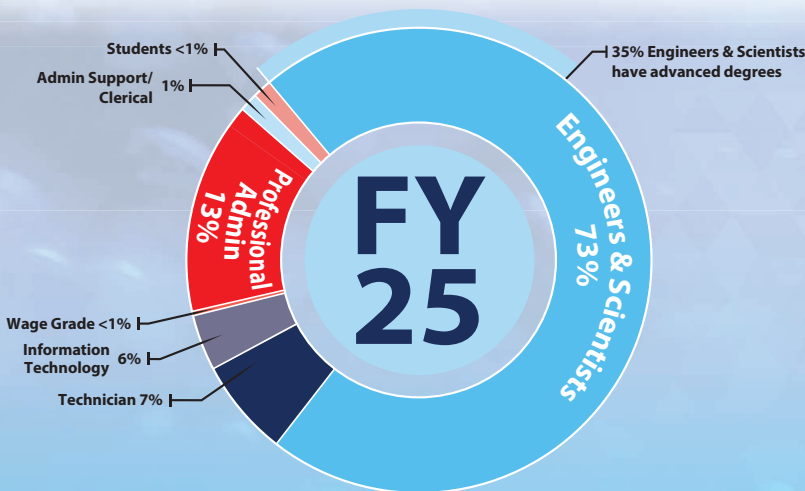


Connecticut
4%

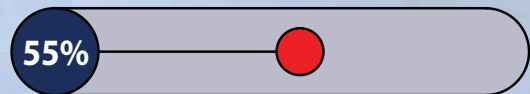


Rest of US
5%

ACADEMIC & INTELLECTUAL IMPACTS



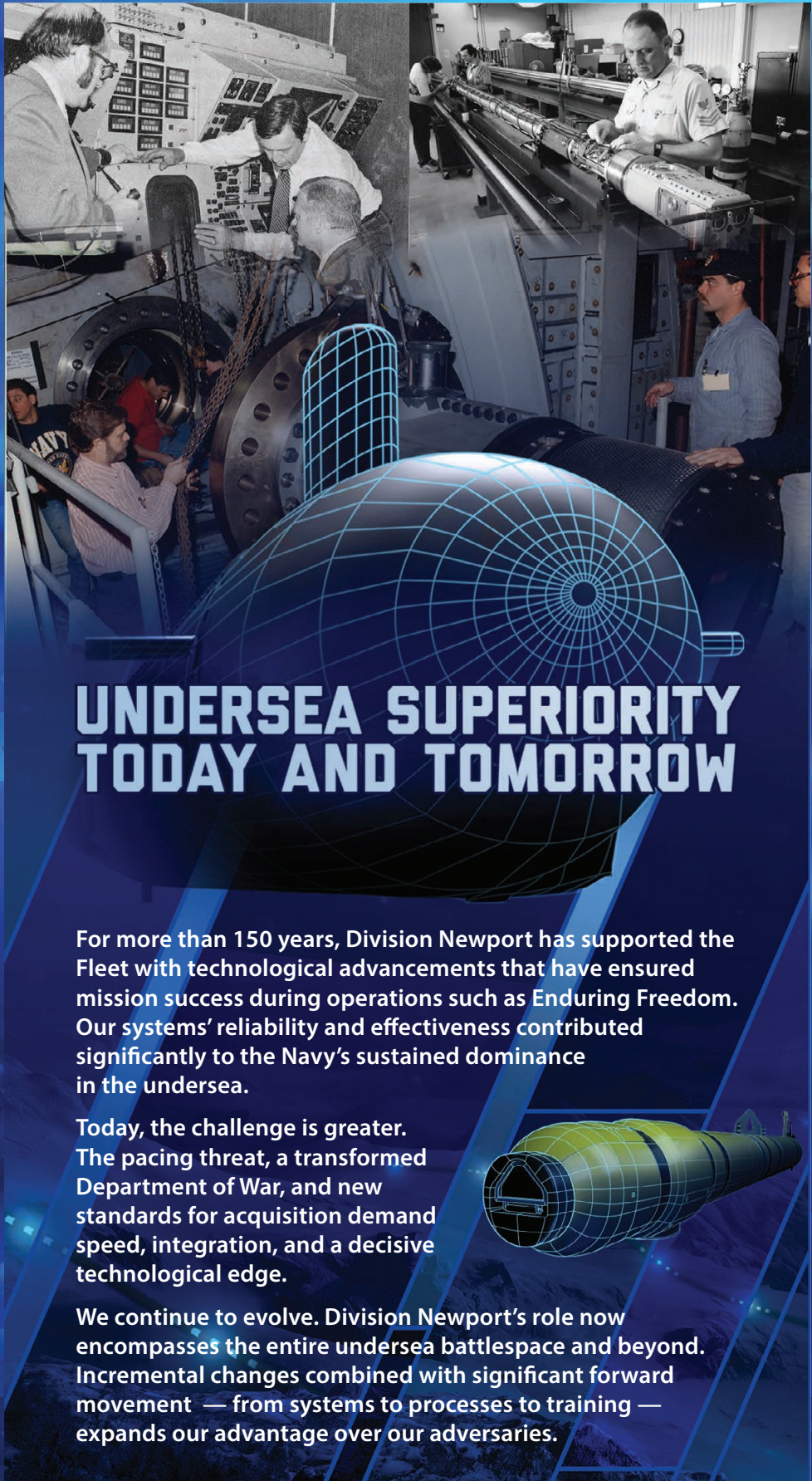
73% of workforce are scientists and engineers



Bachelor's Degree



Advanced Degrees



UNDERSEA SUPERIORITY TODAY AND TOMORROW

For more than 150 years, Division Newport has supported the Fleet with technological advancements that have ensured mission success during operations such as Enduring Freedom. Our systems' reliability and effectiveness contributed significantly to the Navy's sustained dominance in the undersea.

Today, the challenge is greater. The pacing threat, a transformed Department of War, and new standards for acquisition demand speed, integration, and a decisive technological edge.

We continue to evolve. Division Newport's role now encompasses the entire undersea battlespace and beyond. Incremental changes combined with significant forward movement — from systems to processes to training — expands our advantage over our adversaries.



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2025



NAVAL UNDERSEA WARFARE CENTER DIVISION NEWPORT

