

NAVAL SURFACE WARFARE CENTER

CRANE DIVISION



2023 / 2024 Edition

NSWC CRANE DIVISION

« AT A GLANCE »

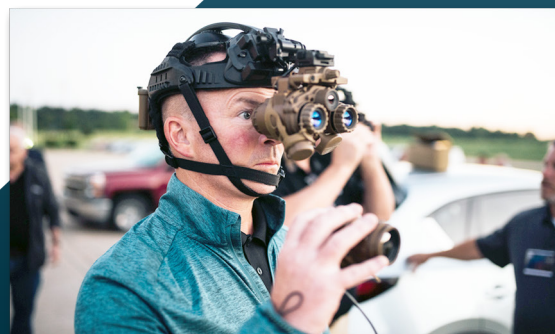
Table of Contents



Strategic Missions
16



Electromagnetic Warfare
18



Expeditionary Warfare
20

Mission & Vision	04
Message From Leadership	05
Our Values	06
Command Strategic Intent	07
Command Positioning Strategies	08
Economic Impact	10
Innovation Ecosystem	12
NSWC Crane Mission Areas	16
Business Excellence	22
Executive Leadership Team	24
Points of Contact	25
Human Resources/Recruiting	26
Social Media	27

Mission & Vision

WHAT WE DO

Deliver **innovative solutions** and readiness to the **NATION** and its **WARFIGHTERS**.

HOW WE DO IT

Advance **all-domain system of systems** within the Mission Areas of:



STRATEGIC MISSIONS



ELECTROMAGNETIC WARFARE



EXPEDITIONARY WARFARE

Conduct science and technology research, development, test and evaluation, acquisition and in-service engineering.

Vision

Combating our nation's greatest threats, **NSWC Crane** is the **indispensable mission expert**, leveraging our deep technical heritage to **deliver solutions** through **innovation and strategic partnerships**.

Message from Leadership

Naval Surface Warfare Center, Crane Division (NSWC Crane) is a federal naval laboratory and field activity of Naval Sea Systems Command (NAVSEA) that performs cutting-edge research and technology development and evaluation in support of national defense priorities. Read this collection of stories, accomplishments, and initiatives to learn about *NSWC Crane – AT A GLANCE*.

Within this document, you will find stories highlighting our National Technical Leadership in **Strategic Missions, Electromagnetic Warfare, and Expeditionary Missions**.

With more than 60 years supporting Strategic Systems Programs (SSP), more than 40 years supporting the Air Force, and continuously playing a critical role with nuclear modernization programs and trusted microelectronics, NSWC Crane's Strategic Missions experts are indispensable to the Nuclear Triad. In addition, Hypersonic systems are among the highest priorities in the Department of Defense's (DOD) modernization strategy, and NSWC Crane is poised to continue to lead in this technology area.

NSWC Crane houses the DOD's largest concentration of Electromagnetic Warfare (EW) expertise. With this deep knowledge base, our team is prepared to evolve at pace with – and ahead of – the rapidly changing defense landscape. NSWC Crane's EW mission area is focused on four critical areas: mission engineering, applications for EW, advanced Electromagnetic Spectrum Operations (EMSO) Capabilities, and EMSO Threat Intelligence and Exploitation.

The Expeditionary force is critical to our success as an integrated Joint Force and to the deterrence of threats across the globe. NSWC Crane provides the largest concentrated technical leadership and expertise to the Expeditionary Mission and Forces across the Undersea and Surface Warfare Centers. This expertise is focused power and energy systems, weapon systems, electro-optics technologies, specialized munitions, maneuver surveillance engagement, and expeditionary command, control, communications, intelligence (C3I) and cyber. Future key initiatives include counter-unmanned systems, integrated battle-space management, naval integration joint command and control (C2), and implementation of layered security features in C2 systems.

Later in the document, we define our values and Command Positioning Strategies, which include **Trusted Microelectronics, Hypersonics**, and **Mission Integration for Distributed Operations**.

Our combined team of more than 6,000 civilians, contractors, and military personnel work each day to advance our nation's defense capabilities. Read these stories to learn how NSWC Crane is providing critical leadership for national security and conflict readiness.

Dr. Angela Lewis, SES
TECHNICAL DIRECTOR



CAPT Rex A. Boonyobhas
COMMANDING OFFICER



Our Values

Culture

NSWC Crane values honesty, integrity, service, unity, empowerment, and solutions. NSWC Crane works to foster an inclusive and diverse environment where each employee reaches their full potential, able to contribute their best and brightest ideas in support of innovative solutions for the Warfighter.

HONESTY ✓ Build meaningful relationships that create a positive environment by gracefully speaking the truth to one another.

INTEGRITY ✓ Demonstrate and model virtue by intentionally cultivating consistent, ethical behavior.

SERVICE ✓ Support the mission by selflessly committing time, energy, and talent.

UNITY ✓ Foster a sense of community through problem-solving, mutual respect, and building each other up.

EMPOWERMENT ✓ Embrace collaborative solutions by trusting others and accepting responsible risk.

SOLUTIONS ✓ Get to “YES” by applying the collective set of Crane Values with a focus on excellence in products and customer service.

ETHOS

Create an inclusive culture that values leadership and employee engagement.

EXECUTION

Integrate capabilities and processes to enable efficient and effective execution of our mission.

EXCELLENCE

Innovate game-changing and agile solutions.

Command Strategic Intent

Relevance through national leadership:
mission - technical - economic

Rapidly providing capability to Warfighters

Complete life-cycle expertise and engagement

National leadership displayed through our innovation ecosystem

Business excellence and best value

Indiana's premier employer



Command Positioning Strategies



NSWC Crane supported a Department of Defense (DOD) joint warfighting experimentation event at Camp Atterbury, Indiana on May 16-24. More than 30 government and industry organizations participated in TREX23-1, accelerating joint innovation and providing real-world data for future warfighting concept development.

Mission Integration For Distributed Operations (MIDO)

MIDO is an emerging defense area of opportunity for the U.S. Department of Defense (DOD), the state of Indiana, and NSWC Crane. MIDO is an overarching strategic concept designed to effectively respond to the evolving need for mission integration in an environment where joint forces are dispersed, both geographically and across domains, from physical domains across the seabed up all the way to space, and within the cyberspace domain. MIDO is combined field capabilities giving service members in harm's way the capabilities to execute their mission.



The Navy Strategic Systems Programs (SSP) and the Missile Defense Agency (MDA), in coordination with NSWC Crane and the Office of the Secretary of Defense's Test Resource Management Center (TRMC), successfully conducted a test campaign on 15 November 2023. The MACH-TB program was initiated by the Navy CPS Program and NSWC Crane in 2022 to accelerate hypersonic technology development by increasing opportunities for testing of hypersonic technology. Photo from October 2021 test.

Hypersonics

Strategic Missions leadership in Hypersonics technology development and deployment will provide a capable warfighting deterrent against aggression and attacks against the U.S. and its allies. Hypersonics is a category of weapons that can travel within the upper atmosphere (about 15 to 30 miles above Earth) for sustained periods of time at greater than five times the speed of sound.

NSWC Crane is focused on the following efforts: becoming a principal contributor in DOD and service hypersonic and strategic weapons development, research and testing; creating a cadre of weapon system engineers able to support all levels of weapon systems development; creating and sustaining key leadership positions in OUSD programs affiliated with Hypersonic and Strategic Weapons Development, Test and Operations; and creating a Strategic Systems Applied Research Group that will integrate research activities in key technical areas, integrate with regional and national research partners to deliver game changing technologies and value to our customers.

Microelectronics

Trusted Microelectronics provide the foundation for modern computing, communications, and infrastructure and are foundational to the Strategic Missions deterrent capability and nuclear modernization efforts. NSWC Crane will continue to provide Trusted Microelectronics leadership as an independent agent to verify the proper operation of microelectronics over the entire strategic weapons system life-cycle.



To spur development of the domestic microelectronics manufacturing industry, the Microelectronics Commons program was established in September 2023 through the Strategic & Spectrum Missions Advanced Resilient Trusted Systems (S²MARTS) Other Transaction Agreement (OTA) developed by NSWC Crane Division. Photo from Commons first annual meeting in 2023.



WHAT IS A COMMAND POSITIONING STRATEGY?

Our Command Positioning Strategies focus on differentiation and the unique aspects that make NSWC Crane leaders in national defense. These Command-wide strategies position our organization to be able to deliver solutions for national defense priorities.

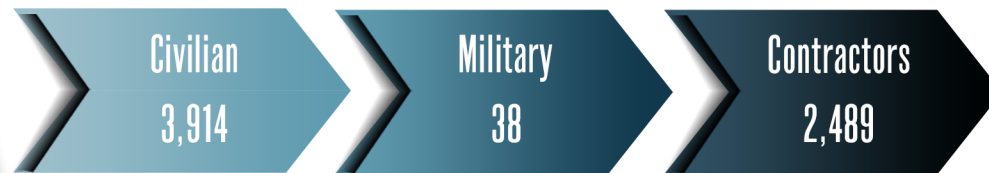
Economic Impact

NSWC Crane provides the **AMERICAN WARFIGHTER** with solutions to their toughest technical challenges to better equip a **DECISIVE ADVANTAGE** in Electromagnetic Warfare, Strategic Missions, and Expeditionary Warfare.

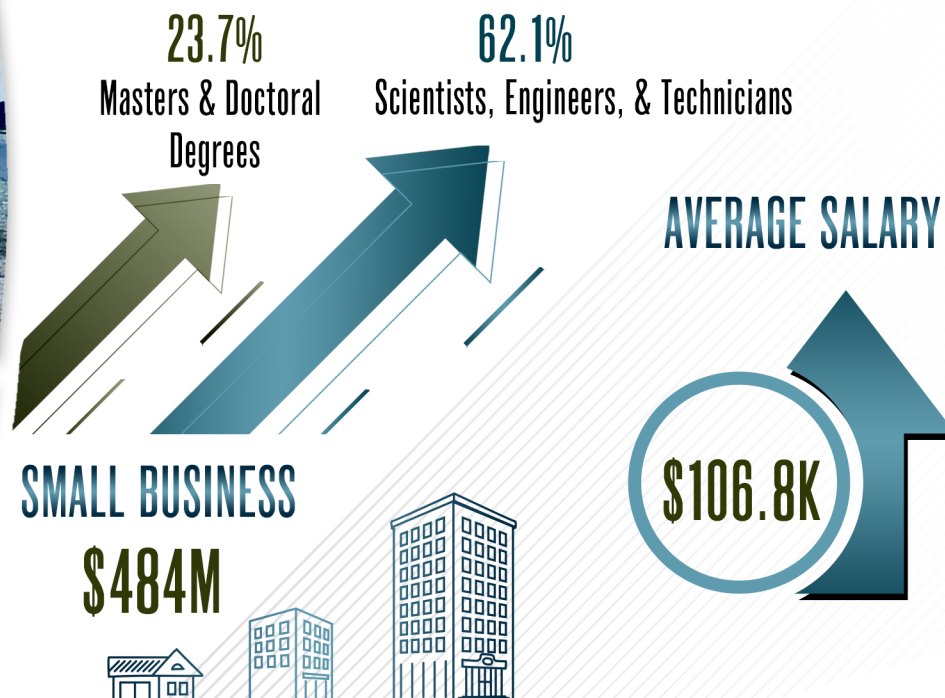
FOUNDATIONAL PRINCIPLES



WORKFORCE



EDUCATION



\$3B+
Economic Impact

TOP FIVE CUSTOMERS



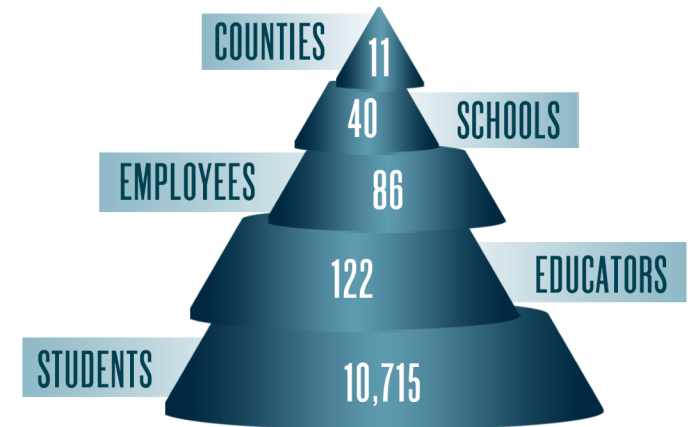
TECH TRANSFER AGREEMENTS



RESEARCH & EDUCATION PARTNERSHIPS



STEM REGIONAL ENGAGEMENT



All Data as of Oct 2023

ACTIVE PATENTS



Innovation Ecosystem

New Partnership "AIMMs" to Further Advance Artificial Intelligence

Naval Surface Warfare Center, Crane Division (NSWC Crane) and Trine University are expanding their partnership, enhancing their focus on advancing the Artificial Intelligence for Maritime Maneuver (AIMM) effort.

This unique partnership, funded by the Office of Naval Research (ONR) focuses on two separate efforts, an artificial intelligence training simulator and a Low Profile Vessel (LPV). Overall, AIMM works to provide a low-cost, easy-to-build, LPV that can be made fully autonomous for a variety of mission sets; supply delivery system, stealth missions, locator purposes, etc. AIMM also builds a solid foundation to eventually achieve swarming technology and collaborative autonomy, with the initial goal of intercepting illegal drug shipments.



Practical Experience, Societal Impact

The AI training simulator will run across an 18-month timespan, focusing on swarming technology and collaborative autonomy, incorporating the individual AI into a virtual environment. The LPV effort will build a 12-foot vessel with sensor packages, working to develop a fully autonomous LPV.

The AIMM partnership offers a unique opportunity to research and develop advanced autonomous robotic delivery systems for maritime platforms. Currently, the grant is funding 14 students split working on both AI and the LPV, and eight faculty and staff overseeing the research.

This is a hands-on experience for the students, and the collaboration allows for test capabilities in both a training simulator modeling a real-world environment with a culminating competition next year.



"A key part of education at Trine is providing our students, particularly our engineering and computing majors, practical experience on real-world projects," said Assistant Vice President of Trine innovation 1, Jason Blume. "It's a bonus when those projects also have the potential to make such a positive impact on our society."

The grant also has allowed Trine University to purchase state-of-the-art equipment that will be used in design, building and testing processes throughout the project. This includes a large-scale 3D and metal 3D printer, a water tunnel and particle image velocimetry equipment to perform precise measurements.

Naval Academy Collaboration

The collaboration further expanded to the United States Naval Academy (USNA) where midshipmen participated in an internship program. USNA midshipmen visited NSWC Crane for three weeks to learn more about warfare centers and assist with the AIMM effort.

During the internship, they spent three days at Trine University and experienced active collaboration with the Trine students. "The best part of the visit to Trine University was getting the hands-on experience of helping with the LPV build. Both the build and AI team were open to our input, and the staff treated us as if we were a part of the Trine family," said USNA Midshipman Will Robinson.

The faculty at Trine University welcomed the midshipmen to the AIMM team. "Hosting the Naval Academy midshipmen allowed us to put a human face on this project and see those who may benefit from the systems we are developing. There was an immediate camaraderie between these future officers and future civilian engineers, and it was great to see the collaboration between them as we work together toward a common goal," said Blume.

Students at Trine University not only saw the value in the collaboration, but got to meet the warfighters who might use their products in the future.

"From the visit I was able to take an understanding of the people that our project will aid in making their job easier and potentially safer," said Mason Bledsoe, junior Extended Reality major.

The partnership between Trine University and NSWC Crane spans several years. Over the years the two entered into Cooperative Research and Development Agreements (CRADAs) that allow for sharing of critical information, allowing university senior design teams to complete multiple projects for Crane.

The AIMM effort will conclude with the Artificial Intelligence Maritime Maneuver Indiana Collegiate Challenge (AIMM ICC) scheduled to take place in May 2024. Universities across Indiana will have the opportunity to compete and demonstrate the ability to make a fully autonomous LPV with object detection and identification. This opportunity helps students compete and prepare to become the future workforce of the Department of Defense.

TOP HEADLINES

[NSWC Crane, NAWC Training Systems Division sign MOA to further technology development in three key areas](#)

[NSWC Crane collaborates with Indiana University to conduct research to develop AI/ML detection technique](#)

[NSWC Crane, Purdue University sign Educational Partnership Agreement Amendment to Advance Partnership](#)

[NSWC Crane innovators partner with industry entrepreneurs to accelerate development of novel technology concept](#)

[NSWC Crane hosts ribbon cutting for new location at WestGate@Crane Technology Park near Naval base](#)

[NSWC Crane team attends Capstone Day at United States Naval Academy amid ongoing partnership](#)

[NSWC Crane recognizes researchers and inventors for 2023](#)

[NSWC Crane celebrates 2023 NISE science and technology in annual End of Year Showcase](#)

[NSWC Crane host interns through collaboration with the NSIN X-Force Fellowship](#)

[NSWC Crane is a 'super-user' of the NSIN X-Force Fellowship, integrating non-traditional talent to challenging problem](#)

Strategic Missions encompasses the full range of Department of Defense activities that alter an adversary's will and ability to attack the United States and its interests.

Strategic Missions

NSWC Crane Engineer Received Prestigious Award For Providing Extraordinary Value To Fleet Ballistic Missile Effort

CRANE, Ind. – Naval Surface Warfare Center, Crane Division (NSWC Crane) engineer, Jeffrey Johann, received a prestigious award for providing extraordinary value to the Fleet Ballistic Missile (FBM) effort. Johann received the Strategic Systems Programs (SSP) Director's Award in a ceremony at the Washington Navy Yard in May.

Johann, Senior Scientific Technical Manager (SSTM) and the Distinguished Engineer for Radiation Sciences, says receiving the award is meaningful to him.

"It is an honor to receive the Director's Award from SSP," said Johann. "When I received my call from Vice Admiral Wolfe, and after some small talk, he told me I had been selected for the SSP Director's award, I was in complete shock. I had no idea I would ever be considered for this award. One or two people from across the program are selected each year. I called home and I could barely talk as I explained the call to my wife. Surprise and shock!!"

SSP is responsible for the development, production, and life cycle support for the sea-based leg of the nation's nuclear triad. This includes training, systems, equipment, facilities and personnel responsible for ensuring the safety, security, and effectiveness of the nation's Submarine Launched Ballistic Missile (SLBM) Trident II (D5LE) strategic weapon system.

The SSP Director's Award has only been given to select individuals throughout the entire history of the FBM program. Prior to 2023, this award was given to 42 people. The two recipients this year, including Johann, marked 43 and 44.

"This is a very prestigious award and really reflects on Jeff's contributions and leadership over more than 30 years of service," said J.R. Ross, SSTM, the Global Deterrence and Defense Department Director.



Mr. Jeffrey Johann, Execution Lead for the Strategic Rad Hard Electronics Council for the Office of the Secretary of Defense, is given the Director's Award by Vice Adm. Johnny R. Wolfe Jr, Director of SSP.

According to his nomination package, Johann has provided long-term, superior service to the program by "serving multiple roles, increasing collaboration, decreasing costs, rapidly resolving challenging technical issues, driving the TRIDENT Life Extension (LE) development to a successful conclusion, and serving SSP on the road and away from his family, providing an example to future leaders of what dedication to the Fleet Ballistic Missile program is. Jeff has served the program in multiple capacities including technical program manager, radiation hardness subject matter expert, direct program support, and Flight Systems Division and Global Deterrence and Defense Department chief engineer. The passion that Jeff

brings to these roles is contagious and the teams that Jeff has formed, trained and mentored span across the Navy enterprise but are singularly focused on supporting and advancing the strategic deterrence mission." VADM Wolfe said in his award speech,

"Jeff, you are instrumental to the FBM program's success, and I want thank you for your tremendous support to SSP."

The nomination package continues, "By setting the example of answering the call to serve however and whenever the program needs his help, Jeff has inspired an entire generation of younger engineers who are eager to serve the United States Navy with honor, courage, and commitment. This program has witnessed the unwavering dedication of a selfless and passionate civil servant who believed in this mission as a matter of national importance and has conducted himself with integrity beyond reproach. These accomplishments should be recognized and remembered as an example to follow for us and for those who come after us."

Johann has more than 30 years of service at NSWC Crane supporting SSP. Johann has earned a Bachelor of Science in Electrical Engineering from Rose-Hulman Institute of Technology.



Mr. Jeffrey Johann, Execution Lead for the Strategic Rad Hard Electronics Council for the Office of the Secretary of Defense, is given the Director's Award by Vice Adm. Johnny R. Wolfe Jr, director of SSP (right). He provided invaluable support to Strategic Systems Programs over his 35 years supporting the Fleet Ballistic Missile Program.

TOP HEADLINES

[NSWC Crane employee leads team to establish radiation modernization of microelectronics testing](#)

[NSWC Crane hosts Colorado US Congressman to discuss strategic deterrence](#)

[NSWC Crane employee part of collaborative Army, Navy Hypersonic team recognized nationally for transferring technology](#)

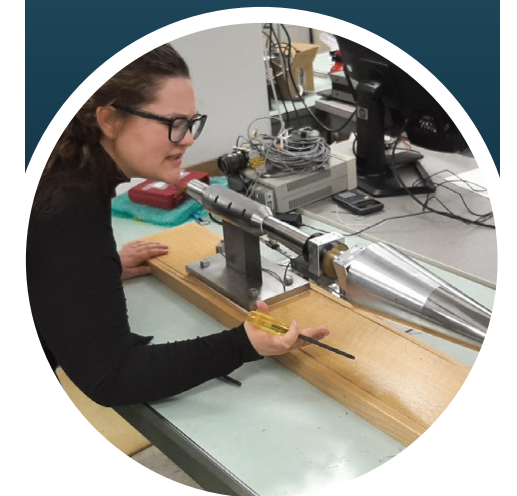
[NSWC Crane NavalX Midwest Tech Bridge supports 2nd annual Hypersonic Innovation Conference](#)

[NSWC Crane physicist continues to serve through his work as an Individuals with Disabilities Special Emphasis Program Lead](#)

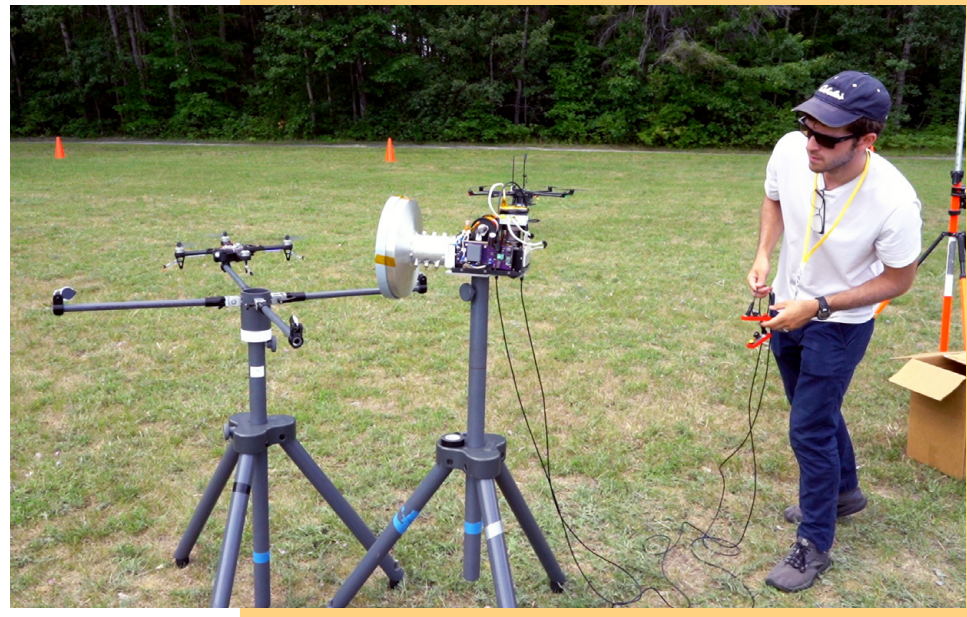
[NSWC Crane announces its first research-based OTA, rapidly advancing Boron Nitride materials](#)

[NSWC Crane hypersonics employee recognized for outstanding contributions in advancing opportunities for individuals with disabilities](#)

[NSWC Crane collaborates with the University of Notre Dame to focus on Hypersonic research](#)



National Leaders in Force Level Electromagnetic Warfare for DOD: Influence Electromagnetic Warfare Operational employment (Doctrine; Tactics, Techniques, and Procedures; Concepts of Operations; Concepts of Employment) and create multi-domain and full spectrum electromagnetic warfare solutions to provide the Electromagnetic Spectrum advantage.



Electromagnetic Warfare

NSWC Crane Leads Silent Swarm Electromagnetic Spectrum Experimentation Event

ALPENA, Mich. – Naval Surface Warfare Center, Crane Division (NSWC Crane) led Silent Swarm 2023, a two-week experimentation event to further develop early-stage Electromagnetic Spectrum Operations (EMSO) capabilities. Silent Swarm 2023 was sponsored by the Office of the Undersecretary of Defense for Research and Engineering Integrated Sensing and Cyber office (OUSD R&E IS&C). The event was executed July 9-21 in Alpena, Michigan at the National All-Domain Warfighting Center (NADWC).

The Silent Swarm team worked with partners from government labs, academic institutions and industry to experiment with technologies employed on small multi-domain unmanned systems.

Robert “Ice” Gamberg, the Project Lead for Silent Swarm at NSWC Crane, says they were able to increase attendance, partners involved, and technologies demonstrated.

“We really grew this year,” says Gamberg. “We applied what we learned during our first Silent Swarm execution year and we doubled our participation. We’re accomplishing a lot—I’m really proud of this team. This year, we were more specific in our focus areas, and we continued to center our experimentation on the effectiveness of the technologies vice the form factor. It’s also the first year we had partner nations represented, like Australia and the United Kingdom, opening the door to future collaboration.”

More than 30 technology initiatives participated in experimentation, 300 attendees participated in a variety of roles, and the number of organizations involved increased. Several organizations were involved in Silent Swarm 2023 planning and execution, providing resources and expertise: Michigan National Guard, Air Force Test Center (AFTC), Army Combat Capabilities Development Command (DEVCOM) C5ISR Center, Naval Information Warfare Center (NIWC) Atlantic, and the National Oceanic and Atmospheric Administration (NOAA).

Military branches provided expertise and operational insight as technology assessors, including the Army, Marine Corps, Navy, Air Force, and Coast Guard.

Sondra Laughlin, the Deputy Project Lead for Silent Swarm at NSWC Crane, says Silent Swarm takes a unique approach to technology development for the warfighter.

“Teams work together to collaborate and win in a realistic environment,” says Laughlin. “Silent Swarm has participants engage in an experimentation mindset, which is unique for events like this. We’re breaking down barriers between government and industry, providing a strong feedback loop for technology developers. Companies see how their tech works in multi-domain environments—underwater, surface, air, at sea, and urban—and can quickly rework their software or hardware on the spot before the next iteration.”

Gamberg says Silent Swarm creates an environment to accelerate technology development.

“The standard acquisition process can be insufficient for some rapidly evolving technologies,” says Gamberg. “The return on investment is we get closer to fielded capabilities in the hands of the joint warfighter by accelerating the development of technology.”

Laughlin says the technology development doesn’t stop at the event.

“Silent Swarm is not an isolated event,” says Laughlin. “It serves as a stepping stone for disruptive tech to get into the hands of the warfighter faster. This is hard work, but we are seeing results indicating that we’ve found some magic here.”



TOP HEADLINES

[NSWC Crane engineer named DARPA RISER](#)

[NSWC Crane employee awarded for dedicated service within the Infrared Countermeasure Community](#)

[NSWC Crane co-hosts annual Electromagnetic Warfare Conference for experts across Services](#)

[NSWC Crane Chief Engineer for Microwave Devices awarded DON Meritorious Civilian Service Award](#)

[NSWC Crane employee awarded for her leadership during the Silent Swarm experimentation event](#)

[NSWC Crane employee awarded for his contributions to the Silent Swarm experimentation event](#)

[NSWC Crane brings technical expertise to follow-on joint warfighting experimentation event for rapid modernization](#)

[NSWC Crane engineer focuses on developing cutting-edge electromagnetic solutions](#)

[NSWC Crane hosts first Robust Artificial Intelligence Test Event at Muscatatuck Training Center](#)

Our mission is to provide intelligent systems solutions for all domains that enhance detection, decision-making, maneuver, and kinetic and non-kinetic engagement capabilities for the Expeditionary warfighter. We utilize open architecture designs to integrate multi-platform advanced sensors and specialized weapons systems.

Expeditionary Warfare

NSWC Crane Leads Office Of Naval Research Effort To Enhance Electro-Optics, Infrared Technology At Sea

CRANE, Ind. – Naval Surface Warfare Center, Crane Division (NSWC Crane) hosted a milestone workshop for a new program dedicated to improved maritime electro-optic and infrared (EO/IR) technology. The workshop hosted about 40 participants from across industry, government, and several federally-funded laboratories meeting in-person for the first time in Bloomington, Indiana and at NSWC Crane on May 10-11.

The Office of Naval Research (ONR) program, a new Future Naval Capability (FNC) called Multi-SpecTral High Resolution Imaging and Targeting Sensor (MUST-HITS), addresses research challenges and opportunities in high resolution imaging and integration technology areas. NSWC Crane provides robust technology support and integration for the ONR-funded MUST-HITS FNC which is executed by Senseker Engineering, Inc., HRL Laboratories, LLC, Cyan Systems, Inc., and Lockheed Martin. This program has garnered interest from across the Department of Defense (DOD).

NSWC Crane leads and is contributing expertise to this science and technology (S&T) effort which aims to rapidly enhance advanced maritime EO/IR technology in order to improve visibility of a wide variety of targets at once. Dr. Benjamin Conley, the Senior Scientist and Technology Manager (SSTM) for EO/IR sensing, is also the ONR Program Officer for this effort.

“It was great having the entire MUST-HITS team together in the same room,” says Dr. Conley. “With MUST-HITS, we are aiming to improve warfighter visibility and situational awareness for long-range and real-time targeting at sea. The program will do this through an unprecedented infrared resolution sensor using a digital back-end to see multiple items at the same time at range. MUST-HITS also will provide baseline capability for upgrades in the future without major hardware and sensor replacements due to the digital nature of the sensor.”



NSWC Crane experts have played a key role in establishing the Navy’s first electro-optic infrared Program of Record for the surface Navy, called Shipboard Panoramic Electro-Optic Infrared (SPEIR)—MUST-HITS is an upgraded situational awareness and targeting capability that will be transitioned into SPEIR for the fleet in future upgrades. The POR is supported through Program Executive Office (PEO) Integrated Warfare Systems (IWS) 2.0.

Dr. Joshua Borneman, the Electro-Optics Chief Scientist at NSWC Crane and government Principle Investigator for MUST-HITS, says NSWC Crane’s EO/IR experts are driving technological change for the fleet.

“NSWC Crane supports EO/IR technology across all domains of the DOD, from early research to late life-cycle support, and has an excellent history of transitioning new technology into the Fleet,” says Dr. Borneman. “The camera technology being developed from MUST-HITS will not just provide new maritime mission capabilities; it will be applicable across many EO/IR domains and programs.”

Teams working on the MUST-HITS effort are each furthering different components of technological development. Dr. Conley says there are several ways this effort could benefit industry.

“As MUST-HITS improves the surface EO/IR capability evolution, there are multiple opportunities to transition each capability across the Department of Defense,” says Dr. Conley. “There are also multiple opportunities to make breakthroughs in each technology area—for instance, in increasing camera quality.”

MUST-HITS Workshop Participants Included But Were Not Limited To Several Organizations:

- Office of Naval Research
- Program Executive Office (PEO) Integrated Warfare Systems (IWS) 2.0
- NSWC Crane
- NSWC Dahlgren
- Georgia Tech Research Institute
- Senseker
- HRL Laboratories
- Massachusetts Institute of Technology Lincoln Labs
- Cyan Systems
- Lockheed Martin
- Air Force Research Lab
- Defense Advanced Research Projects Agency (DARPA)
- Office of the Chief of Naval Operations (OPNAV)
- Army C5ISR
- U.S. Naval Research Lab (NRL)
- Johns Hopkins University Applied Physics Laboratory

TOP HEADLINES

[NSWC Crane leverages Indiana racing expertise to develop military hybrid-electric vehicle](#)

[NSWC Crane manager leads team in battery testing capabilities for the Navy](#)

[NSWC Crane electro-optic expert represents Navy and receives three-year international appointment](#)

[NSWC Crane SMART Scholar steps up to support prototype development team](#)

[NSWC Crane hosts top science-focused YouTube Channel to show how night vision technology works](#)



Comprised of trusted professionals dedicated to world-class customer service, NSWC Crane's Business departments partner with stake holders to provide innovative business solutions focused on meeting the mission.



Business Excellence

NSWC Crane Team Recognized NAVSEA-Wide For Human Resources Excellence By Creating New Workforce Development Programs

CRANE, Ind. – A Naval Surface Warfare Center, Crane Division (NSWC Crane) team was awarded the Naval Sea Systems Command (NAVSEA) Philip Heiler Award for Human Resources Excellence. The Succession Planning Implementation (SPI) Team recognized with the award included 17 NSWC Crane employees.

The SPI Team was created in March of 2022 with personnel across the NSWC Crane Command. After six months, several new workforce development programs were created. The SPI Team's efforts resulted in a new Career Services Center that provides multiple new programs for the NSWC Crane workforce including career coaching, career advising, job shadowing, rotation programs, and career path guides. The programs also focus on employee engagement and retention initiatives. The Career Services Center officially opened with new programs made available to the NSWC Crane workforce on December 1, 2022.

Heather Strange, the Workforce Development Branch Manager at NSWC Crane, led the SPI Team. She said it is great to be part of the SPI Team and for the team to be recognized for all their hard work.

"I am very proud to have been a part of this effort and now able to visually see the successes of this team on a daily basis as the Workforce Development team manages and promotes these services to our workforce," said Strange.

"We have received a lot of positive feedback from the over 300 employees who have already taken part in the offerings provided by the Career Services Center over the last year, and we look forward to many more testimonials from our workforce in the years to come!"

In April 2023, the Career Services Center opened its physical location at WestGate Academy in Odon, Indiana. A ribbon cutting took place June 2023. Strange said the team members used their different experiences to build the new Career Services Center.

"The Succession Planning Implementation Team was comprised of cross-departmental team members that collectively worked together to establish NSWC Crane's new Career Services Center and all of the new programs that it provides," said Strange. "We are very hopeful that the Career Services Center makes a very positive impact to our employee engagement and retention initiatives."

According to the award citation,

"As the direct result of this team, NSWC Crane has equipped their workforce to practice individualized career planning, promoting succession planning for the organization, and ensuring a level of mission readiness that will provide direct benefit to our Warfighters."



TOP HEADLINES

NSWC Crane employee volunteers to award over 700 quilts to living service members, veterans across country

NSWC Crane first in NAVSEA to pass international safety certification

NSWC Crane engages with more than 150 businesses at Annual Buy Indiana Expo

NSWC Crane employee awarded across United States Navy for mentoring over 100 employees

NSWC Crane employee awarded for notable contributions during the Inspector General Inspection

NSWC Crane employee awarded for significant contributions in preparation for the Inspector General Inspection

NSWC Crane rapidly strengthens relationship with Cleveland State University, named New Employer of the Year

NSWC Crane employee awarded for his leadership and dedication to his department

NSWC Crane employee leverages 20 years of active-duty and civilian experience to further mission

NSWC Crane employees recognized NAVSEA-wide for human resources advancements

Executive Leadership Team



DR. ANGELA LEWIS, SES
Technical Director



CAPTAIN REX BOONYOBHAS, USN
Commanding Officer



DR. KYLE WERNER, SSTM
Deputy Technical Director



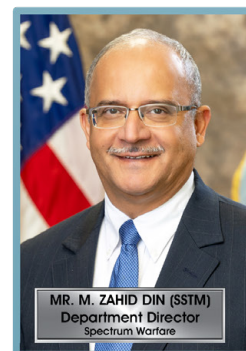
MS. TIFFANY FIZER
Business Director/Comptroller



MR. JESSE BEAM
Department Director, Acting
Corporate Operations



MR. BRANDON BOEGLIN
Department Director, Acting
Special Warfare & Expeditionary Systems



MR. M. ZAHID DIN (SSTM)
Department Director
Spectrum Warfare



MS. JENNA DIX
Director of Engagement



MS. LISA GOOD
Department Director
Contracts



MR. JAMES R. "JR" ROSS
Department Director
Global Deterrence and Defense

Points Of Contact



NSWC Crane Corporate Communications
CRAN_CorporateCommunications.fct@navy.mil



Midwest Tech Bridge*
innovations@theari.us

*Operated in collaboration with **ARI** APPLIED RESEARCH INSTITUTE



Human Resources and Recruiting



NSWC Crane is a naval laboratory and a field activity of Naval Sea Systems Command (NAVSEA) with mission areas in Expeditionary Warfare, Strategic Missions and Electromagnetic Warfare. The warfare center is responsible for multi-domain, multi-spectral, full life cycle support of technologies and systems enhancing capability to today's Warfighter.

Join Our Team!

NAVSEA employs a diverse, highly trained, educated, and skilled workforce - from students and entry level employees to experienced professionals and individuals with disabilities. We support today's sophisticated Navy and Marine Corps ships, aircraft, weapon systems and computer systems. We are continuously looking for engineers, scientists, IT and cyber specialists, as well as trade and other support professionals to ensure the U.S. Navy can protect and defend America.



Connect With Us



Please Contact NSWC Crane Human Resources: crane_recruiting@navy.mil
Submit Your Resume to: https://navsea.recsolu.com/external/form/jmR6cUhZKZ_qD5QUqyMk8w

