DEPARTMENT OF THE NAVY

Summer 2025

SBIR/STTR TRANSITIONS Newsletter

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From the director
Welcoming innovation: Meet the 2025–26 Navy STP cohort

In this issue of Transitions, we welcome the 2025-26 cohort of small businesses participating in the Navy SBIR Transition Program (Navy STP). Since June, these Phase II awardees have been working with the Navy STP team to receive support in commercializing their innovative technologies. Over the course of the cohort year, they'll get personalized business coaching and mentoring, develop their marketing strategy, create marketing materials and take part in events designed to connect with Navy acquisition programs, other DoD agencies and the commercial market. The table that appears in this issue starting on p.13 gives a first look at their technologies. As a reminder, you can find all the

Brian Shipley, director, DoN SBIR/STTR programs, talks with Navy STP participants from TransWave Photonics at the Navy STP SYSCOM Technical Information Exchange in March

From the director... continued

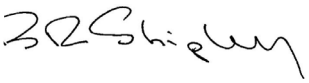
technologies from past cohorts going back to 2016 showcased online in the Navy STP Virtual Transition Marketplace, at https://vtm.navyfst.com/.

If you're a small business or innovator interested in the Department of the Navy (DoN) SBIR/STTR program, consider attending one of our DoN SBIR Office Hours. These new one-hour virtual sessions give you direct access to the DoN SBIR Office team. Each event starts with a 20-minute overview presentation followed by 40 minutes devoted to Q&A. We'll cover any non-technical topics you bring up, including timelines, requirements, best practices, and tips for a successful submission. Office Hours take place at 1 p.m. Eastern Time on the last Wednesday of each month. Registration is required. You can find the registration links for upcoming sessions at www.navysbir.com.

If you're a small business or innovator interested in the Department of the Navy (DoN) SBIR/STTR program, consider attending one of our DoN SBIR Office Hours. These new one-hour virtual sessions give you direct access to the DoN SBIR Office team.

Finally, I want to remind everyone that the DoD introduced a new SBIR/STTR solicitation schedule in FY25. In addition to the three standard SBIR/ STTR Broad Agency Announcements (BAAs) that will be released as usual over this fiscal year (25.1/A, 25.2/B and 25.3/C), all solicitations will be issued on a standardized monthly schedule. The 25.4 SBIR/25.D STTR BAA pre-releases on the first Wednesday of every month are identified as Release 1 through Release 12. Not all of the monthly releases will include DoN topics; however, the DoN will plan to participate in the SBIR 25.4 Release 11 BAA with open topics and the SBIR 25.3 BAA with conventional topics. These topics will pre-release August 6 and will be open to submissions from August 27 through September 24, 2025. The full calendar of releases for FY25 and FY26 are available on our webpage at www.navysbir.com

Sincerely,



Brian Shipley
Director DoN SBIR/STTR

Small device, big impact: Beyond the initial SBIR transition, enDAQ continues to evolve

Midé Technology Corporation's enDAQ (Engineering Data Acquisition) platform exemplifies how a small business can leverage early investment from the Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR) programs to grow a sustainable and successful commercial brand.

Derived from a Navy SBIR-funded technology originally developed for the Tomahawk missile program—the Low Cost Missile Environmental Monitor (LCMEM)—enDAQ sensors are compact, portable, wireless devices that record shock and vibration data for aerospace and industrial applications. These sensors are part of a product ecosystem that also includes the free enDAQ Lab measurement and analysis software and the enDAQ Cloud platform. Launched in 2020, the Cloud platform allows users to remotely upload, access, organize and share raw data from the device. The latest version of enDAQ sensors, the W-Series, are WiFi-enabled, supporting real-time data upload to Cloud accounts.

According to enDAQ's product manager, Robert Parent, and director of marketing and engagement, David Manion, Midé has sold more than 17,000 enDAQ devices since 2016.

"A true success story if ever I have seen one," said Brett Gardner, a business development consultant for Midé. When Midé launched the enDAQ sensor (originally called Slam Stick) as a commercial product in 2010, Gardner was a team lead at the Navy's F/A-18 and EA/18G program management office, PMA-265. He spotted the product at an SBIR technology conference and recognized its potential value for naval aviation.

At that time, the Navy relied on a limited number of specially instrumented test aircraft to gather vibration and acceleration data needed to analyze and diagnose internal component failure—testing that cost around $100,000. Diagnosing issues with excessive vibration on individual aircraft required installing wired accelerometers throughout the platform, a time consuming and costly process.

Image provided by Midé Technology Corporation

The compact size of enDAQ sensors is a key benefit for many applications.

PMA-265 saw the potential of a wireless device like the enDAQ sensor—simple to use and easy to install—to enable efficient testing in the field, saving significant money and time.

However, the product needed further development to meet the Navy's technical requirements. Championed by Gardner, Midé applied for and received a Rapid Innovation Fund (RIF) award to improve enDAQ's capabilities. RIF funding allowed Midé to enhance enDAQ's acceleration measurement capacity and add pressure and temperature sensors, along with other

Small device, big impact: Beyond the initial SBIR transition, enDAQ continues to evolve...continued

improvements to enhance the device's overall functionality, such as extended battery life and recording time.

"Brett's support in recognizing the potential and then backing it through that RIF program was instrumental in developing enDAQ for the Navy and the commercial market," said Manion. "The RIF funding was an opportunity for us to develop a unique product that bridges the gap between traditional low-cost shock and vibration recorders and full data acquisition systems."

Once it met the Navy's requirements, PMA-265 began procuring enDAQ sensors in 2015. A 2016 case study projected that the Navy would save $3-5 million in vibration test costs over four years by using enDAQ sensors in place of traditional wired systems. Today, enDAQ technology is widely adopted throughout NAVAIR to help identify and remediate vibration issues and streamline maintenance, repair and overhaul (MRO) efforts.

Image provided by Midé Technology Corporation

Midé's enDAQ devices are available in a range of sizes and options.

Not long after the sensors were first deployed, the Navy found another critical application: monitoring cabin air pressure during a spike in physiological events (PEs) in the F-18 fleet. The Navy's Physiological Episodes Action Team (PEAT) used enDAQ sensors to investigate causes of hypoxia symptoms in Navy aviators. Small enough to fit in a pilot's pocket and powered by battery, enDAQ devices played a key role in determining that failing components in the Environmental Control System (ECS) were causing abnormal pressure. By comparing data collected during PEs with routine maintenance data, the Navy was able to establish large-scale condition monitoring to identify and replace failing components proactively.

By 2019, the Navy had more than 2,000 enDAQ sensors in service for this purpose and monitoring continues today. "That's when we really started to gain traction—when we put them in the pocket of every F-18 pilot," said Parent. "This remains a large contract of ours. We sold them more units in 2024 for the same purpose."

In the years since enDAQ's initial successful Navy transition, Midé has continued to advance the technology. The company reinvests a significant portion of its revenue back into R&D, adding new features and capabilities that add value for users.

According to Parent, while the Navy remains Midé's largest enDAQ customer, about 60% of sales come from the commercial market. "We are used in a lot of different applications," he said. "The drone market especially is really picking up." Engineers designing new uncrewed aerial systems (UAVs) use enDAQ to measure the stress experienced by various components and determine whether the system under development will stand up to operational use.

"With our upcoming products in 2025, we'll be

able to wire in additional sensors to pull in higher frequency data," said Parent. "The aerospace community is still our largest customer, so we're building products that we think will help them. We will continue to help the Navy, but we sell to many different industries. Our solutions need to be broadly applicable so we can push the technology beyond what the Navy might currently use."

In 2019, Midé launched enDAQ as a separate brand, introducing the new name and a dedicated enDAQ website providing technical support, video tutorials, a blog, community user forum, product specifications and software tools.

Image provided by Midé Technology Corporation

enDAQ sensors can be used in the design and maintenance of aerospace platforms, including UAVs.

The rebranding coincided with Midé's acquisition by Hutchinson Industries, Inc., a global manufacturer of tires, wheels and other mobility components for combat and off-road vehicles with U.S. headquarters in Trenton, New Jersey.

Parent and Manion describe Midé's role within Hutchinson as an in-house research and development incubator, helping solve difficult engineering problems much as they did for the DoD through their SBIR efforts. "Historically, the military was our Hutchinson," said Parent. "They have problems to solve and want to give them to a team of competent engineers. When Hutchinson bought us, they were looking for an agile R&D company that could innovate at a rapid pace. Now they give us projects and we do the same sort of thing we did for the military. Sometimes we develop a solution for a specific project and when we realize it could appeal to a wider audience, we incubate and grow it to become a commercial product."

enDAQ is just one of several successful Midé products that originated in the Navy SBIR program. The company's marine products portfolio includes innovative bulkhead shaft seals developed as a solution for failing shaft seals on the Arleigh Burke Class destroyers (DDG), as well as a fully shock qualified state of the art shaft seal initially designed for use on the Littoral Combat Ship (LCS). Midé also designs and manufactures piezoelectric products, combining its own innovations with those of Piezo Systems, a company it acquired in 2017.

Midé's wide range of brands and capabilities reflect the focus on customer needs that has characterized the company since it was founded in 1989. As a Hutchinson company, Midé continues to conceptualize, design and deliver high-performance products and services for many industries, including aerospace, automotive and manufacturing industries from its headquarters in Woburn, Massachusetts.

For more information, visit www.Mide.com, www.endaq.com, and www.piezo.com.

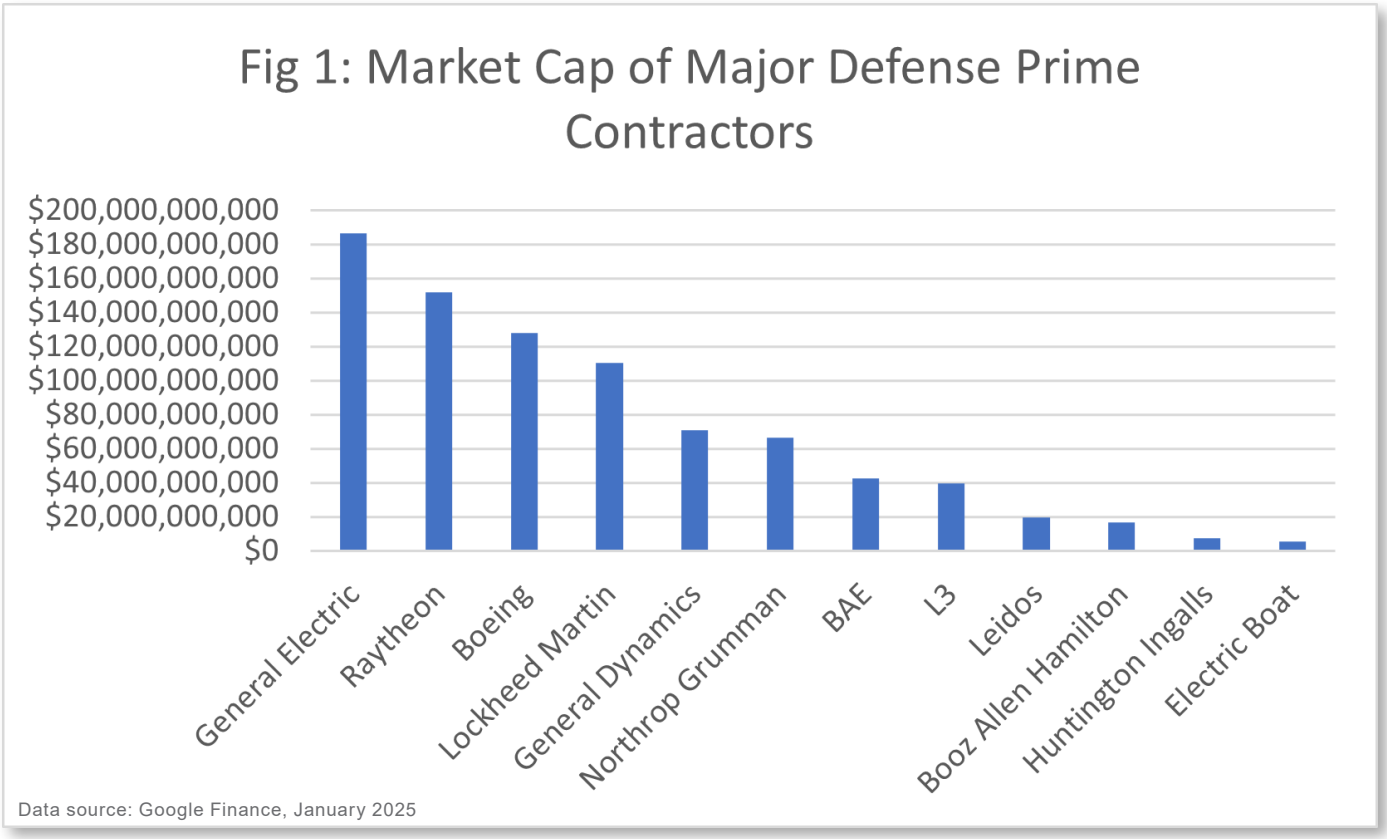
Who will likely invest in your SBIR technology?

By Steve Sullivan, Navy STTR and Navy STP Program Manager

As you develop your SBIR technology, it is important to keep in mind the defense, commercial and investment landscapes. Navy SBIR topics are created with a focus on acquisition—to address requirements within the Navy (i.e., defense applications). Therefore, defense contractors are likely to have an interest in the technologies developed from SBIR topics as it potentially saves millions of dollars in research funding. As a new company developing cutting edge technology, it is natural to wonder who else will be interested in the research. Maybe you have read about a startup that received billions in venture funding or is being purchased by a large commercial technology company. The important question is: "Are these reasonable expectations?"

Steve Sullivan, right, Navy STTR and Navy STP program manager, meets with Pete Hunt, SBIR tech transition analyst, at WEST 2025 in January.

To examine this question, let's look at Figure 1, which displays market capitalizations for some of the largest defense contractors, pulled from Google Finance in January 2025. What you will see is that the combined market cap of all 12 of



Who will likely invest in your SBIR technology?...continued

these large defense contractors is *"only"* $845B.

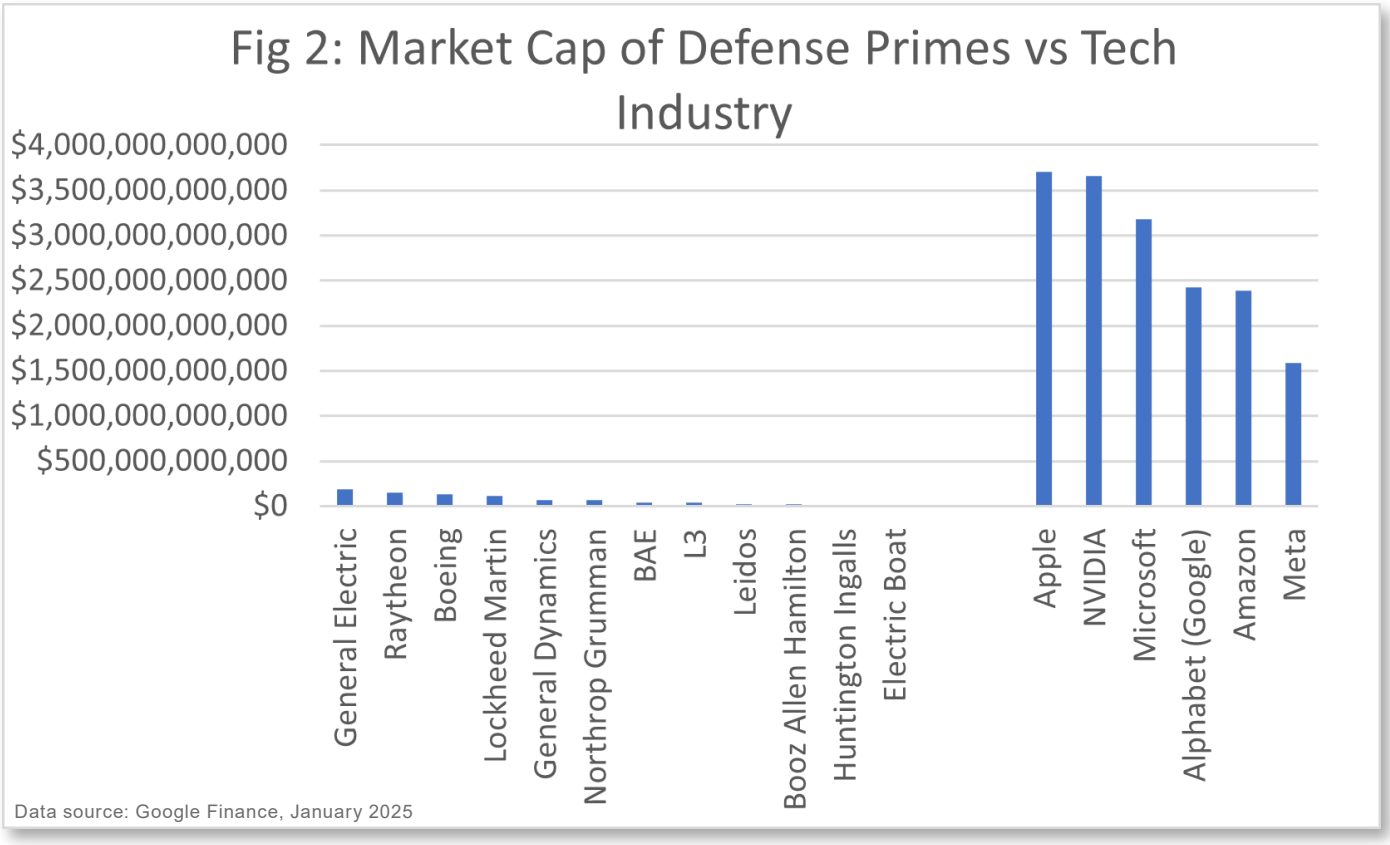
Let's be clear, this is *a lot* of money! However, each of these defense contractors must be very diligent about investments that will provide a return on investment. This may be in the form of improved capability, manpower reduction, or cost saving, to name a few. If your technology falls into the first area, improved capability, you must ask, "Is the customer paying for improved capability?" If the answer is no, the program managers are balancing cost and delivery schedule.

To add perspective, Figure 2 shows the market capitalization of companies in the tech industry compared to the defense primes in Figure 1. As you can see, there is a stark difference!

Understand that Apple, with a market cap of $3.7T alone, could purchase the entire defense industry…and have money left over.

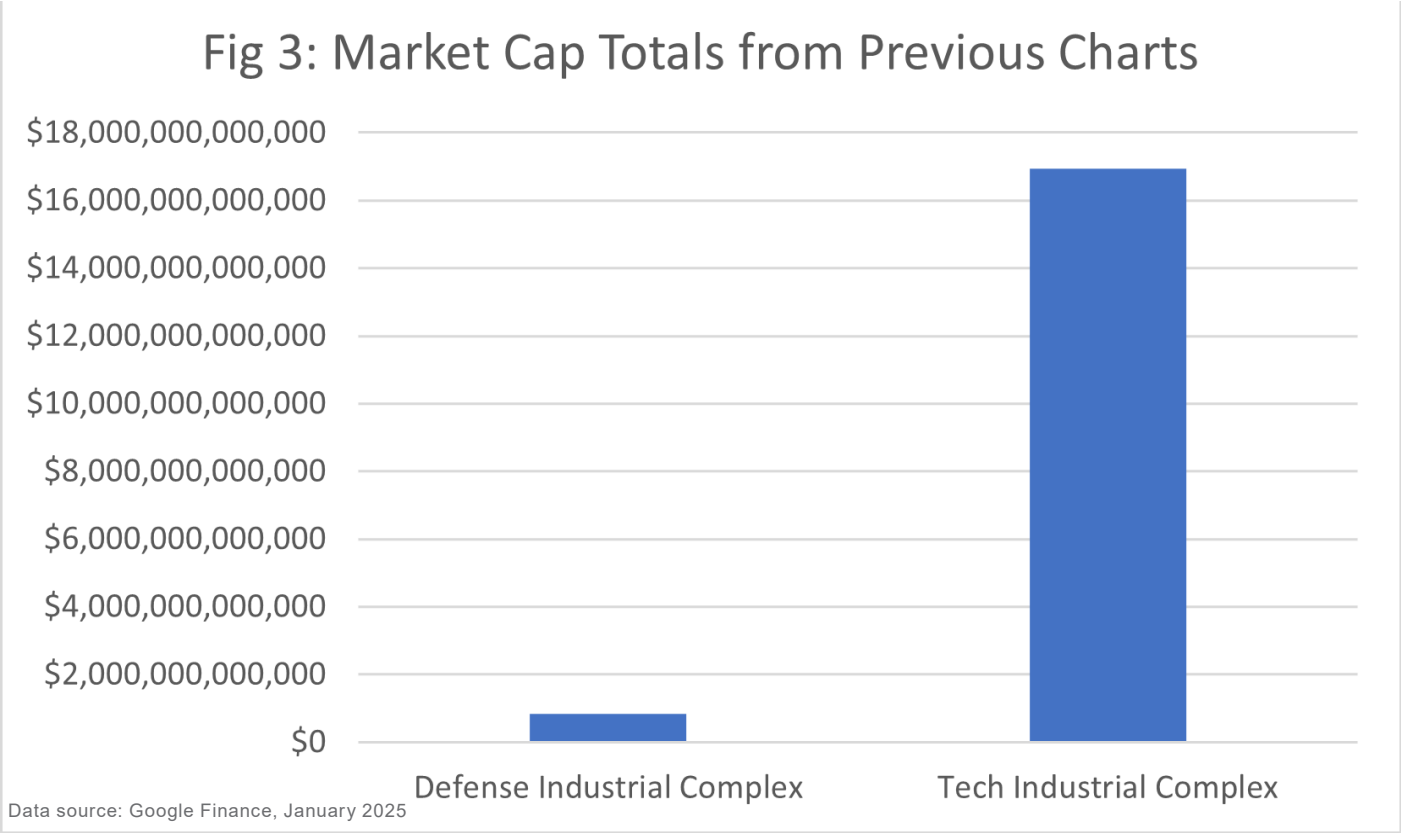
Of course, they have no desire to do so because it would seemingly be a poor business to enter based on their current model of consumer sales. In addition, the top venture capital (VC) firms have portfolio market caps from several hundred million dollars to north of $700B not included in the figures. When the tech industry invests in your technology, they are focused on consumer sales, clicks and ad revenue, to name a few.

So, if you ever find yourself asking, "Why isn't ABC Tech company or XYZ VC firm interested in investing in my technology? It could improve their



Who will likely invest in your SBIR technology?...continued

products," you must think about the proposition of return on investment. These companies are focused on selling products to consumers with huge margins, and investments are expected to return 10, 20, maybe 50 times or more. It's possible to turn your technology into a consumer product, and some SBIR awardees have done it. If your technology is an incremental improvement, which complex is likely to invest? Figure 3 further drives the comparison of the market capitalizations of the defense industrial complex to the tech industrial complex. Keep in mind, the scale is trillions of dollars!



As a result, the best approach is often to focus on the intended sector to begin your journey. This is why the Navy SBIR Transition Program (Navy STP) focuses on connecting participants with large defense prime contractors. This is the group with the greatest vested interest in your technology applications. If you are developing a technology that makes a system or subsystem better, cheaper, faster, more durable, or reduces manpower, that prime contractor can have a leg up on competition or deliver a better product to the Navy.

Building a small business isn't always about selling a billion widgets worldwide or developing an app that has little intrinsic value. Sometimes it takes perseverance to find the right investment partner. We appreciate everything SBIR firms do for the Navy and that is why we invest in your success.

Navy STP Showcase events connect small businesses with prime contractors, government decision makers

The Navy SBIR Transition Program (Navy STP) hosted a SYSCOM Technical Information Exchange event and Navy STP Showcases at WEST 2025 and the Sea-Air-Space 2025 Exposition (S-A-S) to spotlight innovative technologies developed by participating small businesses. These events offered key opportunities to expose promising SBIR/STTR-developed solutions to Department of Navy acquisition decision-makers and prime contractors, helping pave the way for technology transition.

Small businesses engaged with government and industry representatives through in-person meetings at the events, an enhanced online presence via the Navy STP Virtual Transition Marketplace (Navy STP VTM)—the Navy's premier catalog for showcasing SBIR/STTR-developed technologies, and recorded Tech Talks, which are available at https://navyfst.com/vtm/.

In addition to the in-person engagements, Navy STP Connect—a virtual platform designed for one-on-one meetings—extended opportunities for small businesses to connect with government and industry representatives, further supporting collaboration and transition outcomes.

WEST 2025

WEST is the premier naval conference and exposition on the West Coast, co-sponsored by AFCEA International and the U.S. Naval Institute. The event connects Navy, Marine Corps and Coast Guard leaders with industry professionals who design and develop platforms, systems, and equipment supporting maritime operations.

At WEST 2025, the Navy STP Showcase booth featured 31 projects from 29 participating small businesses. These projects represented a wide range of technology areas, including:

Staff and small businesses prepare for company demos in the Navy STP booth at WEST 2025

- Advanced Electronics
- Air Platforms
- Autonomy
- Battlespace Environment
- C4I (Command, Control, Communications, Computers and Intelligence)
- Electronic Warfare
- Ground and Sea Platforms
- Human Systems
- Materials and Manufacturing Processes
- Modeling and Simulation Technology
- Sensors
- Sustainment
- Weapons Technology

The third day of WEST also featured live Navy-funded technology demonstrations by two Navy STP participants during demo day.

Navy STP SYSCOM Technical Information Exchange

Held in March in Arlington, Virginia, the Navy STP SYSCOM Technical Information Exchange enabled small businesses to engage directly with

Navy STP Showcase events connect small businesses with prime contractors, government decision makers...continued

representatives from the Navy SYSCOMs and industry partners.

Speakers included:

- Cindy Mattingly, senior director, Noble Aviation
- George Whittier, CEO, Fairbanks Morse Defense
- Colin Dunlop, program manager, National Shipbuilding Research Program
- Kelly Carruthers, outreach & lead planner, DoN-SBIR Experimentation Cell (DoN-SEC)
- Nikhil Shenoy, CEO, Colvin Run Networks
- Joe Caliri, CEO, SimVentions

The event showcased 38 Navy-funded technologies from 41 small businesses. These innovations support a broad range of technology categories, including:

- Advanced Electronics
- Air Platforms
- Autonomy
- Battlespace Environments
- Counter Improvised Explosive Devices (C-IED)
- Cyber
- Electronic Warfare
- Energy and Power Technologies
- Ground and Sea Platforms
- Human Systems
- Kinetic Weapons
- Materials and Manufacturing Processes
- Modeling and Simulation Technology
- Weapons Technologies

Sea-Air-Space 2025

Presented by the Navy League of the United States, S-A-S is the nation's largest maritime exposition. The event brings together global maritime leaders, the U.S. defense industry, private sector innovators, and key military decision-makers for three days of educational

Lockheed Martin Aeronautics' SBIR program manager Craig Owens talks with Barron Associates, Inc. at the SYSCOM Technical Information Exchange

Navy STP Showcase events connect small businesses with prime contractors, government decision makers...continued

sessions, policy discussions, and an expansive exhibit hall with more than 300 vendors and a waterfront demonstration area.

At S-A-S, 42 Navy STP small businesses presented posters on 50 technologies in areas such as:

- Advanced Electronics
- Air Platforms
- Autonomy
- C4I (Command, Control, Communications, Computers and Intelligence)
- Energy and Power Technologies
- Engineered Resilient Systems
- Ground and Sea Platforms
- Human Systems
- Materials and Manufacturing Processes
- Modeling and Simulation Technology
- Sensors
- Sustainment

Three Navy STP companies also demonstrated their SBIR-funded technologies during a live demo day event.

Several high-ranking Navy and flag officers visited the Navy STP booth, where they received briefings on participating companies' technologies. Chief of Naval Research Rear Admiral Kurt Rothenhaus visited the booth each day to engage directly with small businesses.

Navy STP Connect

Following the in-person events, Navy STP Connect extended engagement opportunities through a virtual platform designed for one-on-one meetings between small businesses and government or industry personnel. This platform enhances accessibility and streamlines collaboration, helping participants expand their reach and impact.

Navy STP Connect fosters direct relationships between small businesses and Navy program offices, acquisition personnel, end-users, prime contractors, system integrators, and other potential partners. It enables participants to align their technologies with the U.S. Navy and Marine Corps' mission needs and transition pathways.

Chief of Naval Research Rear Admiral Kurt Rothenhaus talks with Spectral Energies, LLC at S-A-S 2025

Upcoming events

DATE	EVENT & LINK	LOCATION
Nov. 19-21	Defense TechConnect Innovation Summit & Expo https://events.techconnect.org/DTCFall/	National Harbor, Maryland
Nov. 19-21	2025 SBIR/STTR Fall Innovation Conference https://techconnect.org/2025-sbir-sttr-fall-innovation-conference/	National Harbor, Maryland
Dec. 1-4	Aircraft Structural Integrity Program (ASIP) Conference http://www.asipcon.com/	Austin, Texas
Dec. 1-4	I/ITSEC https://www.iitsec.org/	Orlando, Florida
Dec. 9-10	2026 Pacific Defense Contracting Summit https://www.usdlf.org/pacific-defense-contracting-summit-2026	San Diego
Dec. 9-12	Department of Defense Maintenance Symposium https://events.sae.org/event/3d8cbebb-e688-494f-8c04-684951f0e153/home	Louisville, Kentucky
Jan. 12-16	AIAA SciTech Forum https://www.aiaa.org/SciTech	Orlando, Florida
Jan. 13-15	Surface Navy Association National Symposium https://navysnaevents.org/national-symposium/	Crystal City, Virginia
Jan. 18-21	IEEE Radio & Wireless Week https://www.radiowirelessweek.org/	Los Angeles
Feb. 2-5	DistribuTECH Conference & Exhibition https://www.distributech.com/welcome	San Diego
Feb.4-5	2025 NAWCWD Industry Days https://www.ccapexpo.com/	Ridgecrest, California
Feb. 9-11	Aero-Engines Americas https://www.aeroenginesusa.com/en/home.html	Tampa, Forida
Feb. 10-12	SmallSat Symposium https://smallsatshow.com/	Mountain View, California
Feb. 10-12	WEST 2026 https://www.westconference.org	San Diego
Feb. 23-25	Air Force Association Warfare Symposium https://www.afa.org/events/2026-afa-warfare-symposium/	Aurora, Colorado
Feb. 23-25	Tactical Wheeled Vehicles Conference https://www.ndia.org/events/2026/2/23/twv-2026	Pittsburgh
Feb. 24-25	National Summit on Uncrewed Aerial Vehicles https://www.americanconference.com/UAVSummit/	San Diego

First look: A snapshot of this year's Navy STP participants

The future of Naval innovation starts here. On the following pages you'll find an early look at the cutting-edge Phase II small businesses currently participating in the Navy SBIR Transition Program (Navy STP). These companies are developing and refining technologies with strong potential to transition into use by Sailors and Marines, wth support from Navy STP.

Each company is grouped by sponsoring SYSCOM under Office of the Secretary of Defense Communities of Interest (CoI) categories most appropriate to their technology. If you see something of interest and want to know more, please contact the company directly.

Additional details, including corporate contact information, technology quad charts, abstracts, company capability brochures and thumbnail descriptions, will be available in December 2025 via the Navy STP Virtual Transition Marketplace (Navy STP VTM) at: https://vtm.navyfst.com/.

You will also have the opportunity to explore these innovations in person at upcoming Navy STP events where small businesses will present their technologies: WEST 2026, February 10-12, 2026, in San Diego; the Navy SYSCOM Technical Information Exchange, March 11-12, 2026, in Arlington, Virginia; or Sea-Air-Space 2026, April 20-22, 2026, in National Harbor, Maryland.

Navy SBIR Transition Program (Navy STP) Participants			
Company / Topic Title	**Topic #**	**Company Website URL**	**Showcase**
ADVANCED ELECTRONICS			
Atom Inc	N171-004		SYSCOM
Portable, Flexible, External Display and Lighting Screen			
Forward Edge-AI, Inc.	N234-P02	https://forwardedge.ai/	SYSCOM
A Quantum-Resistant Low Probability of Detection/Low Probability of Interception/Anti-Jamming Device for UxS Platforms			
LeWiz Communications Inc.	N221-080	http://www.lewiz.com	Sea-Air-Space
Development of a Time-Triggered Ethernet Intellectual Property Block			
MaXentric Technologies LLC	N23A-T028	https://www.maxentric.com	WEST
SWING - SWItches using a Nitrogen polar (N-polar) Gallium nitride (GaN)			
Pendar Technologies, LLC	N201-058		WEST
Affordable and Efficient High-Power Long Wavelength Infrared Quantum Cascade Lasers			
SNOChip Inc.	N23A-T008		Sea-Air-Space
Discrete Axial Symmetry Accelerated Inverse Design for LWIR Large-diameter Metalenses			
AIR PLATFORMS			
Candent Technologies Incorporated	N22A-T002	https://www.candent-technologies.com	SYSCOM
Multifunctional Heat Exchanger for Aerodynamic Aircraft Inlets			
CFD Research Corporation	N232-084	https://www.cfd-research.com/	Sea-Air-Space
Reduced-Order Modeling of Unstart in Liquid Fuel Scramjets			
Continental Controls and Design, Inc.	N171-028		Sea-Air-Space
Lightweight Self-Start System Demonstration for T56 Engine Driven Aircraft			

Navy SBIR Transition Program (Navy STP) Participants			
Company / Topic Title	**Topic#**	**website URL**	**Showcase**
Creare LLC	N131-005	https://www.creare.com/	Sea-Air-Space
Ultrasound Communications Systems for the Flight Deck			
Creare LLC	N23A-T016	https://www.creare.com/	SYSCOM
Lightweight Turbogenerator for VTOL UAV			
DARE Venture Group	N222-114		SYSCOM
Project Fins			
DeepFlow LLC	N232-084		Sea-Air-Space
Advanced Turbulent Combustion Model for Scramjet Unstart Predictions			
Dragonfly Pictures, Inc.	AF131-132	https://www.dpiuav.com/	Sea-Air-Space
Real-Time Sensor Data Processing and Compression Performed On-board Unmanned Multirotor Aerial Relay (UMAR)			
Maher & Associates LLC	N221-067		SYSCOM
Pi2Enhanced Reliability and Confidence Effort- 2 (PiERCE 2)			
SeaLandAire Technologies, Inc.	N221-023		Sea-Air-Space
Miniaturized High Data Rate Sonobuoy Tether			
TGV Rockets Inc.	N231-069		SYSCOM
Low Cost Flatpack Aircraft with Ultrasonic Additive Manufacturing			
Wolf Technical Services, Inc.	N231-017	https://www.wolftechnical.com/	Sea-Air-Space
Mechanical Solution to Enable Individual Blade Control for Rotorcraft			
AUTONOMY			
Archarithms, Inc.	N231-037		SYSCOM
Gun Weapons Systems Synthetic Unmanned Aerial Systems Imagery Data Set			
Beacon Interactive Systems	N192-124	https://www.beaconinteractive.com/	WEST
Expeditionary Digital Support Platform for Unmanned Underwater Vehicles			
Knexus Research LLC	N181-079	https://knexus.ai	Sea-Air-Space
Augmenting CILEMP to Enable Fleet Autonomy with Generative AI			
SciX3, LLC	N244-D04		Sea-Air-Space
Next-generation Autonomy for Unmanned Maritime Vehicles (UMVs)			
VIVUM COMPUTING INC	N244-D04		SYSCOM
Dynamic Neural UMVs - Enhanced Autonomy for the U.S. Navy			
BATTLESPACE ENVIRONMENTS			
ARiA	N221-025	https://www.ariacoustics.com/	SYSCOM
Advanced Technologies for Automated Replay and Reconstruction of Theater Undersea Warfare Mission Data			
BIOMEDICAL (ASBREM)			
Arcascope	PA20-265		SYSCOM
Continuous, Best-in-class Open Source Sleep Classification with Extreme Runtimes			
COMMAND, CONTROL, COMMUNICATIONS, COMPUTERS, & INTELLIGENCE (C4I)			
Apothym Technologies Group	N232-110	https://atg.space	WEST
Multidirectional, Multifrequency Ship-based Meteorological Satellite Receiver Using a Virtual Gimbal			
Beacon Interactive Systems	N192-124	https://www.beaconinteractive.com/	Sea-Air-Space
Operational Ship Data for CBM+ Analytics for Bridge-Based Decision Support			
Colvin Run Networks, Inc.	X224-OCSO1	https://www.colvinrun.com	WEST
IRONCLAD: Integrated Resilient Operations for Naval Cloud and AI Deployments			

First look...continued

Navy SBIR Transition Program (Navy STP) Participants			
Company / Topic Title	**Topic#**	**website URL**	**Showcase**
Dirac Solutions Inc.	N241-D02	https://www.DiracSolutions.com	WEST
Secure UWB Communications for Aircrew Physiological Monitoring			
Dirac Solutions Inc.	NSF11-561	https://www.DiracSolutions.com	Sea-Air-Space
Software-Defined Noise Cancellation for Wireless Pulse Based Communications (converted from STTR TO SBIR)			
Etegent Technologies, LTD	N221-036	https://etegent.com/	Sea-Air-Space
Exploitation of Ephemeral Features in Sonar Classification Algorithms			
Galois, Inc.	N211-083		WEST
5STARS Boost: Refining 5STARS Network Verification Technology for Transition			
GIRD Systems, Inc.	N211-080	http://www.girdsystems.com	Sea-Air-Space
Domain Optimized Tactical Line of Sight Communications			
Machina Cognita Technologies, Inc	N201-077	https://www.machinacognita.com/	WEST
State-based Machine Aided Real Time Strategy (SMARTS)			
Monterey Technologies, Inc.	N161-015	https://montereytechnologies.com/	SYSCOM
Collaborative Undersea Warfare Decision Application (CUDA)			
Onebrief, Inc.	AF221-DCSO1	https://onebrief.com	SYSCOM
Rapid Operational Planning			
Out of the Fog Research LLC	N08-T018	https://outofthefogresearch.com/	WEST
CRES for HF			
P&J Robinson Corporation	N171-083	http://www.pjrcorp.com	WEST
Integrating Cyber Kevlar Tools into DevSecOps Overmatch Software Armory			
Parraid, LLC	AF203-DCSO1		Sea-Air-Space
Parraid Outsourcing Workload (OWL) Linux Power and Data Hub			
QuNav LLC	N224-130	https://www.qunav.com	SYSCOM
Prototyping and Demonstration of GPS Interference DOA Initiative for User Purposes (GIDI-UP)			
Silver Bullet Solutions, Inc.	N221-050		SYSCOM
Shipboard Defensive Cyberspace Operations (S-DCO)			
Solid State Scientific Corporation	N221-061	http://www.solidstatescientific.com	Sea-Air-Space
EO/IR Raid Count and Kill Assessment for CSO threats			
Third Coast Federal, Inc.	AF20C-TCSO1	https://www.thirdcoastfederal.com	WEST
AI Powered Market Intelligence & Tech Scouting Recommendation Engine to Drive DoD Discovery and Engagement of an Innovative Industrial Supply Chain			
Torrey Pines Logic, Inc.	N231-041	http://www.tplogic.com	SYSCOM
Enhanced AN/PAQ-6 Phone Distance Line Replacement (PDL-R) for UNREP distance measurement and bridge-to-bridge communications			
Wilson Eagle Limited Partnership	N234-P08	https://www.wilsoneaglelp.com	WEST
Integrating the Advanced Correlator-Navy Data Fusion Processor into the Command and Control Experimentation Capability to Enhance Its Performance			
XAnalytix Systems	N234-P08	https://www.xanalytix-systems.com/	WEST
ACED (Altering Current-state to an Effective Desired-state)			
CYBER			
Dignitas Technologies, LLC	N211-088	https://www.dignitastechnologies.com/	WEST
Cyber Simulation TRaining for Impacts to Kinetic Environment (CyberSTRIKE) II			
GrammaTech, Inc.	N161-070	https://www.grammatech.com	WEST
Scalpel-Debloat			

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Navy SBIR Transition Program (Navy STP) Participants			
Company / Topic Title	**Topic#**	**website URL**	**Showcase**
Smart Information Flow Technologies, d/b/a SIFT	N23A-T009	https://www.sift.net/	WEST
MADEIRA: Multi-Agent Debloating Environment to Increase Robustness in Applications			
DIRECTED ENERGY			
Sensing Strategies, Inc.	N07-100	https://www.sensingstrategies.com/	SYSCOM
Sensors for Laser and Broadband Source Detection			
ELECTROMAGNETIC WARFARE (EW)			
3DFortify, Inc.	N231-063	https://3dfortify.com/	Sea-Air-Space
Advanced Hybrid Gradient Index Lenses via Additive Manufacturing of Low-Loss Materials			
Adaptive Dynamics, Inc.	N193-D03	https://www.adaptive-dynamics.com	WEST
Resilient Tactical Communications Using Interference Mitigation Techniques			
Aspen Consulting Group, Inc.	N232-108	https://www.aspenconsultinggroup.com	Sea-Air-Space
Autonomous, Low-Cost Emitter for Electronic Warfare Training			
BlueRISC Inc.	N234-P07		WEST
Navigation Warfare Situational Awareness with AI/ML			
FIRST RF Corporation	N231-003	https://www.firstrf.com/	Sea-Air-Space
P24-036 Broadband Antenna Solution for Vehicle-Mounted EW Systems			
Indiana Microelectronics LLC	N171-074	https://IndianaMicro.com/	SYSCOM
Notch Filters for Interference Mitigation in SATCOM Systems			
Metamagnetics, Inc.	N101-075	https://www.mtmgx.com/	SYSCOM
Switchable L-Band Auto-tune Filter Module			
SimVentions, Inc.	N181-025	https://www.simventions.com/	SYSCOM
Electronic Warfare Data Analysis and Reduction Tool (E-DART)			
Tercero Technologies LLC	N192-048		WEST
Computationally Efficient Deep Learning-Powered EWS Radar Data Preprocessor (CELER)			
Vadum	N171-044	https://www.vaduminc.com	WEST
Cognitive Software Algorithms Techniques for Electronic Warfare			
ENERGY & POWER TECHNOLOGIES			
Diversified Technologies, Inc.	N221-064	http://www.divtecs.com/	Sea-Air-Space
Medium Voltage Direct Current Disconnect Switches			
Lynntech, Inc.	N222-088	https://www.lynntech.com	Sea-Air-Space
Retrofittable High-Power Kit			
Lynntech, Inc.	N232-086	https://www.lynntech.com	SYSCOM
Structural Composite Battery for Small UAVs			
nou Systems, Inc.	N221-057		SYSCOM
Development of a Low-Cost, Single-Use, and Extremely Compact Air-Independent Power System			
Physical Sciences Inc.	N212-102	http://www.psicorp.com	Sea-Air-Space
Modular Collapsible Hydro-Electric Generator (MCHEG)			
ENGINEERED RESILIENT SYSTEMS (ERS)			
Fuse Integration, Inc.	N231-015	https://www.fuseintegration.com	Sea-Air-Space
Back End Data Lake and Microservices			
Modus Operandi, Inc.	N234-P02	https://www.modusoperandi.com	WEST
LOGEN (Logistics Enhancement with Living Intelligence)			
THOR Solutions, LLC	N211-039	https://thorsolutions.us/	WEST
SHARK BAIT - Shared Historical Anti-Submarine-Warfare Reachback Knowledge Built on Artificial Intelligence Technology			

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Navy SBIR Transition Program (Navy STP) Participants			
Company / Topic Title	**Topic#**	**website URL**	**Showcase**
GROUND AND SEA PLATFORMS			
Advanced Technology & Research Corp.	N202-109	https://www.DiracSolutions.com	Sea-Air-Space
Launch System for Group 3-5 Unmanned Aerial Vehicles for Land- and Sea-Based Operations			
Arete Associates	N131-055	https://arete.com/	WEST
ACE Update			
Diversified Technologies, Inc.	N171-075	http://www.divtecs.com/	Sea-Air-Space
Electromagnetic Vertical Launch System			
Fathom5	N231-053	https://www.fathom5.com/	Sea-Air-Space
Improved Electromechanical Actuators for Aircraft Carrier Flight Deck Applications			
JNI Armor	N181-001		SYSCOM
Extended Life of Transparent Armor			
Micro Nano Technologies	N231-064	https://www.mntusa.com	SYSCOM
Reversible Replenishment Air-Conditioning System			
PacMar Technologies LLC	N192-101	https://www.pacmartech.com	Sea-Air-Space
Capture and Deploy Device using Inflatable Elements (CaDDIE)			
PacMar Technologies LLC	N211-032	https://www.pacmartech.com	WEST
Extra Large Unmanned Undersea Vehicle (XLUUV) Dock			
Physical Sciences Inc.	N161-054	http://www.psicorp.com	Sea-Air-Space
Compact Lidar for Environmental Sensing in Support of Electromagnetic Maneuver Warfare			
Trex Enterprises Corporation	N222-089		WEST
CNS for Long Range Unmanned Surface Vessels			
Triton Systems, Inc.	N231-046	https://tritonsystems.com/	SYSCOM
Revolutionized Undersea Training Target Motors			
HUMAN SYSTEMS			
ARiA	N192-094	https://www.ariacoustics.com/	WEST
Interactive Tactical-Oceanography Training for Sonar Operators			
Barron Associates, Inc.	N23A-T014	https://www.barron-associates.com	SYSCOM
Human Automation Teaming for Efficient Knowledge Extraction and Test Generation			
Charles River Analytics, Inc.	N221-024	https://www.cra.com	Sea-Air-Space
Communications with Operational Context and Knowledge for Target Audio Identification Learning (COCKTAIL)			
InnoVital Systems, Inc.	N232-083		Sea-Air-Space
Helicopter Seat-Integrated Power Assist Device			
Luna Labs USA, LLC	N232-089	https://www.lunalabs.us/	Sea-Air-Space
Sentinel: Automatic LPU for Ejection Seat Aircraft			
Sonalysts, Inc.	N231-044	https://www.sonalysts.com/	SYSCOM
Expeditionary Command/Control and Training (ECaT)			
MATERIALS & MANUFACTURING PROCESSES			
Agnitron Technology, Inc.	N201-071		WEST
Develop Ultra-Fast Metastable Ion Implant Activation System			
Boston Engineering Corporation	N221-040	https://boston-engineering.com	SYSCOM
Shipboard Laser DED Metal Additive Manufacturing System			
Cornerstone Research Group, Inc.	N231-D02	https://www.crgrp.com	Sea-Air-Space
Rapid, Randomly Oriented SiC/SiC Composites			

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Navy SBIR Transition Program (Navy STP) Participants			
Company / Topic Title	**Topic#**	**website URL**	**Showcase**
Cornerstone Research Group, Inc.	N23B-T032	https://www.crgrp.com	Sea-Air-Space
Active Part Filtering for Additive Manufacturing Candidate Identification			
CPS Technologies Corporation	N221-022		SYSCOM
Leveraging Metal Matrix Composites for Thermal Energy Storage			
Faraday Technology, Inc.	N22A-T015	https://faradaytechnology.com/	Sea-Air-Space
Additive Manufacturing Method for High Performance Copper Electronic Components			
Integrated Solutions for Systems	N221-075	https://is4s.com	SYSCOM
Enhanced Lethality Warhead: Phase II			
IRflex Corporation	N231-011	https://www.irflex.com	Sea-Air-Space
Optical Additive Manufacturing in the MWIR and LWIR Bands			
Kitware	N222-117	https://www.kitware.com/	Sea-Air-Space
AI/ML for In-Situ Additive Manufacturing Defect Detection			
Kyma Technologies, Inc.	J201-CSO1	https://www.kymatech.com	SYSCOM
Pulsed Sputter Deposition (PSD) for Efficient Doping for GaN HEMT Contacts			
Luna Labs USA, LLC	N231-043	https://www.lunalabs.us/	Sea-Air-Space
Ultra-Low Temperature Gaskets & Seals for Extreme Environments			
Materials Sciences LLC	N221-049	https://www.msc-llc.com/	WEST
Radar Absorbing Material Maintainability Improvements - MSC P4803			
METSS Corporation	N221-055	http://metss.com/	SYSCOM
Improved Towed Array Acoustic Hose			
Pacific Engineering, Inc	N192-108	https://www.pacificengineeringinc.com/	Sea-Air-Space
Lightweight Composite Launcher Components			
Physical Sciences Inc.	N193-144	http://www.psicorp.com	Sea-Air-Space
A Hypersonic Environmental Testbed for Affordable and Standardized Materials Strength Testing			
Physical Sciences Inc.	N23A-T006	http://www.psicorp.com	Sea-Air-Space
Low-Cost Microwave Curing of Aerospace Composite Materials			
Product Innovation and Engineering LLC	N221-021	https://www.mopine.com	Sea-Air-Space
Modeling and Process Planning Tool for Hybrid Metal Additive/Subtractive Manufacturing to Control Residual Stress and Reduce Distortion			
SURVICE Engineering Company	N231-047		Sea-Air-Space
Composite Navy Propulsor Shaft Design Validation			
TDA Research, Inc.	N222-116	https://www.tda.com	Sea-Air-Space
Tunable, Repeatable, Calcium Lanthanum Sulfide Ceramic Powder Development			
TDA Research, Inc.	N231-012	https://www.tda.com	Sea-Air-Space
Technology Development Strategy for the Design of Passive and Semi-passive Underwater Acoustic Metamaterial Filters			
Triton Systems, Inc.	N231-076	https://tritonsystems.com/	SYSCOM
Electrically Conductive Self-Assembled Monolayer (SAM) Anti-Stiction Coating for Micro-Electromechanical Systems (MEMS)			
MODELING AND SIMULATION TECHNOLOGY			
Combustion Research and Flow Technology, Inc.	N23A-T003	https://craft-tech.com	Sea-Air-Space
Advanced Physics Modeling for Gas Turbine Particulate Ingestion			
Corvid Technologies, LLC	N221-081	https://www.corvidtec.com	SYSCOM
Development of an Aerothermal Modeling and Simulation Code for Hypersonic Applications			

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Company / Topic Title	**Topic#**	**website URL**	**Showcase**
Crown Point Technologies, LLC	N221-077	https://crownpoint.tech	Sea-Air-Space
Semantic-Driven Data Integration Software Solution			
Design Interactive, Inc.	N221-029	https://designinteractive.net/	WEST
AMMO			
Faraday Technology, Inc.	N23A-T019	https://faradaytechnology.com/	Sea-Air-Space
Improved Electrochemical Machining of Next-Generation Alloys for Turbine Engine Components through Enhanced Tool Design			
Spectral Sciences, Inc.	N221-081		Sea-Air-Space
Automated Full Trajectory Aero-Thermo-Mechanical Simulation Coupling for Hypersonic Flight			
SENSORS			
Advanced Cooling Technologies, Inc.	N221-083	https://www.1-act.com	Sea-Air-Space
Conformal Two-Phase Switch for Sensor Thermal Control			
ADVIS	N22A-T026		SYSCOM
Low-Cost, Low-Power Vibration Monitoring and Novelty Detector			
Agile RF Systems LLC	N231-063	https://agilerfsystems.com/	Sea-Air-Space
Additive Manufactured Low-Loss Small-Size Low-Profile Conformal GRIN Lens in the K-Band			
EPIR, Inc.	N231-065	https://www.epir.com	Sea-Air-Space
MWIR TPA Notch Filter			
GoHypersonic Inc.	N23A-T029		Sea-Air-Space
Non-Intrusive Aerodynamic State Sensing for Hypersonic Flight Control			
IXI Technology Electronic Warfare, LLC d/b/a IXI EW	N22A-T021	https://www.ixiew.com	SYSCOM
Affordable Stabilized Directional Antennas for Small Platforms			
Nu-Trek	N231-027	https://www.nu-trek.com/	WEST
Low-cost, Low-SWaP, and High-Performance Uncooled Infrared Imager			
Opterus Research and Development, Inc.	N221-072	https://www.opterusrd.com/	Sea-Air-Space
High Strain Composite Boom Deployed Volumetric Sonobuoy Array			
Orbital Micro Systems, Inc.	N231-066		WEST
SPECTral Radiative Transfer Unified Model (SPECTRUM) - Phase II Prototype			
Scientific Systems Company, Inc.	N111-025	https://www.ssci.com	Sea-Air-Space
SAFEPASS: Safe Encounter Resolution using Passive Sensing			
Secure Planet, Inc.	SOCOM163-003	https://secureplanet.com/	Sea-Air-Space
Advanced Tactical Facial Recognition at a Distance Technology			
SK Infrared LLC	N22A-T020		Sea-Air-Space
3D Multimodal Imaging with LiDAR-like Engineered Sensor (3D-Miles)			
Surface Optics Corporation	N231-020	http://www.surfaceoptics.com	Sea-Air-Space
Detection and Tracking of Hypersonic Missiles Using EO/IR Sensors			
Texas Research Institute Austin, Inc.	N211-062	http://www.tri-austin.com	Sea-Air-Space
Nondestructive Detection of Flaws through Thick Polymers using Electromagnetic Imaging Technologies			
Triton Systems, Inc.	N221-083	https://tritonsystems.com/	Sea-Air-Space
Variable Conductance Thermal Management Technology			
Triton Systems, Inc.	N23A-T021	https://tritonsystems.com/	SYSCOM
Autonomous, Long-Duration, Directional Ambient Sound Sensor			

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Navy SBIR Transition Program (Navy STP) Participants			
Company / Topic Title	**Topic#**	**website URL**	**Showcase**
SPACE			
TrustPoint, Inc.	N231-023	https://www.trustpointgps.com	WEST
Resilient GPS-Independent Navigation for Denied Environments			
SUSTAINMENT			
Boston Engineering Corporation	N231-031	https://boston-engineering.com	Sea-Air-Space
Underwater Cavitating Jetting Antifouling System			
Global Strategic Solutions LLC	N10A-T009	https://www.gssllc.net	WEST
Dynamic Physical/Data-Driven Models for System-Level Prognostics and Health Management (converting to SBIR)			
Shipcom Federal Solutions, LLC	N201-X02	https://shipcom.io/	WEST
Semantic Modelling for Lifecyle Mission Capability			
WEAPONS TECHNOLOGIES			
Aerodynamic Technologies, LLC	N20A-T022		WEST
Development of High-resolution Global Wall Shear Stress Measurement Technique for use in Hypersonic Flow Studies			
NP Photonics, Inc.	N221-041	https://www.npphotonics.com	SYSCOM
Compact High Power Mid-Wave Infrared Laser System			
Penta Research Inc.	N231-030		SYSCOM
An Innovative Approach to Leverage System Safety MBSE Model Information Using AI/ML			
Radiation Monitoring Devices, Inc.	N231-078	https://www.rmdinc.com/	WEST
Phase Change Material Based Phase Trimming for Integrated Photonics			
SpaceWorks Enterprises, Inc. (SEI)	N231-006	https://www.spaceworks.aero/	Sea-Air-Space
Next Generation Toolset for Weapons Separation Evaluation			
TDA Research, Inc.	N211-026	https://www.tda.com	SYSCOM
Reactive Boron Fuel for Energetic Applications			

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