DEPARTMENT OF THE NAVY

Summer 2026

SBIR/STTR TRANSITIONS Newsletter

Inside

Upcoming events 3

Dual use innovation: BluEyeQ's SBIR strategy enhances digital twin machine health monitoring for government and industry 4

SBIR data rights and competitive solicitations 7

Navy STP Showcase events connect small businesses with prime contractors and government decision makers 8

First Look: A snapshot of this year's Navy STP participants 11

Visit

NAVY SBIR TRANSITION PROGRAM

www.NAVYSTP.com

@NavySTP

@NavySTP

www.youtube.com/@NavySTP

From the director: Charting our course forward

By the Director DoN SBIR/STTR

As we look toward fiscal year (FY) 2027, our program stands at a pivotal juncture. The April 2026 reauthorization of the Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs, coupled with updated strategic priorities, has provided us with a clear mandate: to accelerate innovation, reduce barriers to entry, and deliver transformative capabilities faster and more efficiently than ever before. We are primed to meet that mandate by building upon our prior success while deploying new authorities to drive the pace of technological change and harness the ingenuity of our partners to meet the challenges of tomorrow.

Building upon prior success

Last fiscal year, the DoN SBIR/STTR programs surpassed several significant key measures of success, especially in engaging and expanding the defense industrial base (DIB). As a result of the team's efforts, we saw a 31% increase in first-time proposals, a 21% increase in defense startups and small businesses submitting proposals, and, most significantly, **41% of our Phase I and Direct to Phase II awards went to companies winning their first Navy award** — the highest percentage in 20 years!

> ***"The DoN SBIR/STTR programs are open for business, and we are moving faster and more agilely than ever before."***

This demonstrates our commitment to expanding the DIB and is a direct result of our efforts to broaden our network of partners. These milestones were not just programmatic wins; they were proof of concept for the dynamic, collaborative approach we are

DISTRIBUTION A. Approved for public release - distribution unlimited. 2026-8-4-2621

From the director... continued

now scaling up.

Expanding open topic formats and architecting flexible award pathways

We are significantly expanding our use of open topics, including a quarterly open topic release. We recognize that the best ideas often come from unexpected places, and this quarterly release ensures we do not miss out on world-class innovation. Quarterly open topic releases enable industry to propose solutions to broad mission areas rather than responding only to predefined component specifications. Our aim is to balance our portfolio across known capability gaps while ensuring we capture potential leap-ahead commercial dual-use advancements.

Photo Credit: Adobe Stock By Gorodenkoff

Furthermore, administrative friction is the enemy of innovation. For too many defense startups, certain Federal Acquisition Regulation (FAR)-based contracts create unnecessary barriers to entry. That's why we have begun — and will vigorously expand — our use of alternative award methods, including commercial solutions openings (CSOs), other transaction authorities (OTAs), and firm-fixed-price (FFP) contracts as an option during Phase II. Crucially, the choice of award mechanism will often be left to the innovator, providing flexibility that aligns with each company's business strategy. Our goal is simple: to ensure innovators with viable, cutting-edge solutions have access to the award mechanism that enables them to work with the DoN quickly and effectively.

Scaling to meet strategic priorities

Change is necessary because government funding alone cannot support the rapid scaling of dual-use technologies. According to PitchBook, the commercial sector is investing in dual-use defense technologies at an unprecedented rate, with venture capital reaching $28.4 billion in this market in just the third quarter of 2025. Furthermore, Crunchbase has tracked nearly $14.6 billion in global investments in this sector since January 2026. This represents a generational opportunity, and reauthorization has given us the tools and flexibility to capitalize on this momentum.

That's why a cornerstone of our FY27 strategy is a strong push to incentivize shared third-party investment. We are actively designing the implementation of the new Strategic Breakthrough (SB) Authority to encourage companies to bring private capital to the table. By requiring and matching private investment, we de-risk government funding and ensure that the technologies we support have a viable commercial pathway and a sustainable business model. This shared-risk model maximizes taxpayer value while signaling to the private market that these technologies are vetted, mature, and ready to scale.

In FY27, we are launching our SB Authority to execute "big swing" technology transitions. SB Awards are specifically designed to fund high-risk, high-reward projects that possess the potential to create paradigm-shifting capabilities. By pairing up to $30 million in SBIR funding with a 1:1 match from federal or private capital, we can drive total project investments of up to $60 million to accelerate development and impact.

From the director... continued

The DoN SBIR/STTR approach to SB Authority is to invest in dual-use technologies that target our most critical technology areas and address impactful mission requirements — rapidly fielding high-priority technologies and solving complex, systemic challenges. We are currently finalizing our implementation guidance and anticipate sharing more information on the timing of our inaugural execution this fall.

The DoN SBIR/STTR programs are open for business, and we are moving faster and more agilely than ever before. Together with our partners across the defense innovation ecosystem, we look forward to making a significant strategic impact in FY27 and beyond.

Upcoming events

DATE	EVENT & LINK	LOCATION
Nov. 3-5	International Security Conference & Exposition (ISC East) https://www.isceast.com/en-us/show-info.html	New York
Nov. 12-13	Naval Submarine League Annual Symposium & Industry Update https://navalsubleague.org/events/asiu/	Arlington, Virginia
Nov. 16-17	2027 Navy Procurement Outlook Summit https://www.usdlf.org/navy-outlook-summit	Reston, Virginia
Nov. 16-19	Aircraft Structural Integrity Program (ASIP) Conference http://www.asipcon.com/	San Antonio
Nov. 17-18	Hypersonic Weapons & Emerging Technologies Summit https://www.americanconference.com/hypersonic-technology/	Huntsville, Alabama
Nov. 30-Dec. 2	Counter UAS Technology USA https://www.smgconferences.com/defence/northamerica/conference/counter-uas-tech	Washington
Nov. 30-Dec. 3	I/ITSEC https://www.iitsec.org/	Orlando, Florida
Dec. 2-4	Underwater Intervention https://www.workboatshow.com/underwater-intervention/	New Orleans
Dec. 8-9	DoW Procurement, Compliance & Innovation https://www.americanconference.com/dow-procurement/	National Harbor, Maryland
Dec. 8-11	Department of War Maintenance Symposium https://events.sae.org/event/dow2026/home	Fort Lauderdale, Florida
Jan. 11-15	AIAA SciTech Forum https://www.aiaa.org/SciTech	Orlando, Florida
Jan. 12-14	Surface Navy Association National Symposium https://navysnaevents.org/national-symposium/	Crystal City, Virginia

Dual use innovation: BluEyeQ's SBIR strategy enhances digital twin machine health monitoring for government and industry

"I truly believe we're using the Small Business Innovation Research (SBIR) program the way it was originally intended to be used," says Kent Colling, founder, CEO and managing director of BluEyeQ LLC, a small business specializing in predictive analytics and industrial monitoring solutions. BluEyeQ strategically seeks out SBIR projects that enhance the company's portfolio of capabilities and solutions for its customers, intentionally focusing on dual use commercialization from the start of each project.

In December 2025, BluEyeQ announced the award of a new contract to deploy vibration monitoring systems to track equipment performance for Inland Empire Utilities Agency (IEUA), a municipal wastewater treatment and recycling agency serving 950,000 people across Southern California. Work performed under this contract will leverage digital twin technology developed during the company's ongoing Navy SBIR work focused on predictive maintenance techniques. The project focused on the V-22 Osprey fleet, but the technology could also benefit additional Navy assets, including other rotorcraft, surface ships and submarines.

The SBIR project, which began in 2020 and will continue through the fall of 2026, has developed a virtual digital twin of the V-22's drivetrain. This model uses both simulated and captured machine data to compute key prognostic, predictive, and operational machine traits. An artificial intelligence (AI)/machine learning framework then uses that information to generate an interactive 3D model of machine performance and predict machine states before detectable problems develop.

"In digital twin work you create a virtual replica of the asset in the field. You can predict how it should operate under ideal conditions and then couple that with the real time data or near real time data you're getting from the field. That allows you to perform analysis and make predictions about the overall state of that equipment," Colling explains.

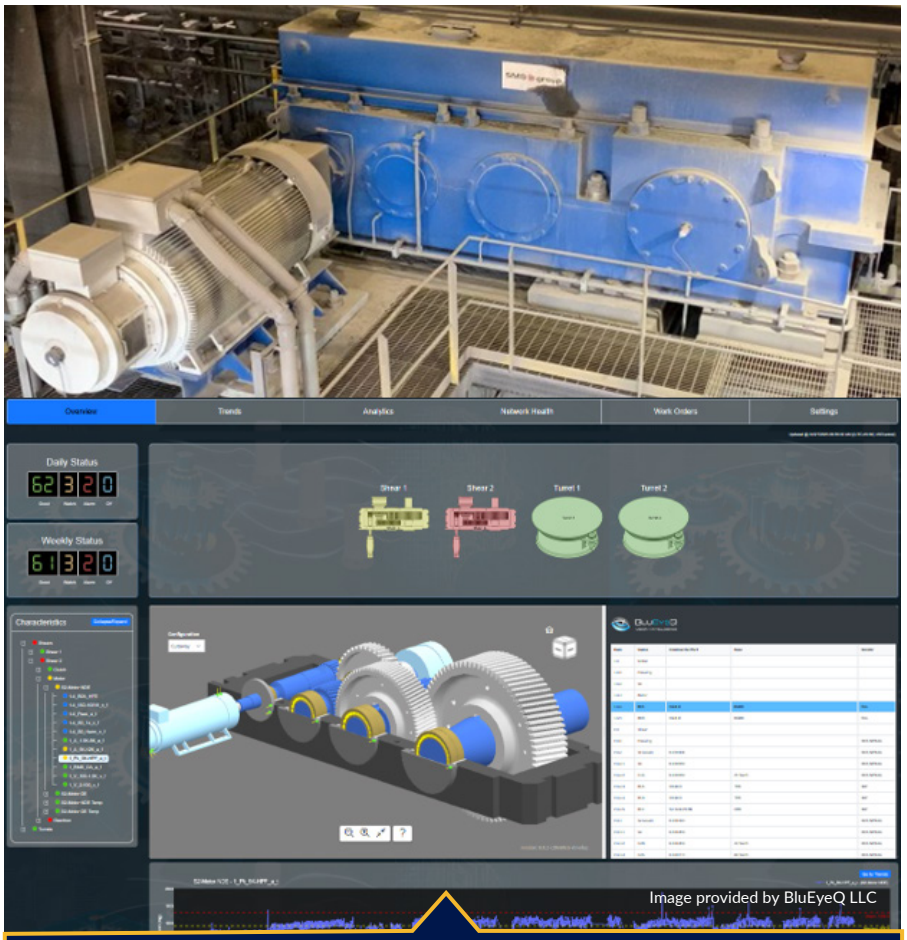
For the Navy, this digital twin technology enables planned and predictable maintenance, reducing lifecycle sustainment costs while improving warfighter safety by preventing unexpected failures. The technology offers similar benefits to BluEyeQ's industrial customers, including IEUA. In both applications, says Colling, end users are responsible for critical, high-value assets that are difficult to inspect manually. Failure at any single point can lead to serious accidents or unplanned downtime costing millions of dollars in lost productivity.

> ***"I'm the number one advocate for the SBIR program as a means of helping fuel small business growth."***
>
> *- Kent Colling, founder, CEO and managing director of BluEyeQ LLC*

"In the water utility space, there are pumps, wastewater centrifuges and blowers everywhere that need to be remotely monitored. They don't have the manpower to regularly check all their remote lift stations and other facilities, so they need a remote capability to monitor equipment health status. It's a good fit for what we do."

The new contract with IEUA follows a successful two-year pilot program during which BluEyeQ demonstrated the value of its digital twin

monitoring system. "They've decided to scale it to virtually all of the assets at their facility, so it's a pretty big win for us," says Colling. "They identified the critical assets they wanted to monitor as part of their overall maintenance strategy, put it out for competitive bid, and we were fortunate to win it."



BluEyeQ's digital twin creates a virtual replica of machinery operating in the field, providing asset owners with a remote capability to monitor and predict equipment health status.

While working concurrently on both the IEUA pilot and the Navy SBIR project, BluEyeQ refined its digital twin vibration monitoring technology into a true dual-use solution. "BluEyeQ approaches SBIRs a little differently than many small businesses. Any SBIR that we bid on already has a defined commercialization path," Colling states. As a result, the company typically responds to only one or two SBIR solicitation topics per year, focusing on those with the strongest potential to develop new technical capabilities.

"I'm the number one advocate for the SBIR program as a means of helping fuel small business growth. They call it America's seed fund and that's exactly how we've used it. To date, we haven't taken any outside capital investment. The SBIR program has been instrumental in our growth, allowing us to add jobs and expand our commercial business. We'll continue to pursue SBIRs, always with the goal of expanding our existing business or commercializing new technologies for both industry and defense customers."

BluEyeQ's commercialization paths span a wide range of industry applications, including a rapidly growing customer base in the steel industry and longstanding usage in theme parks. One of the company's first product deliveries, says Colling, was to a major Florida theme park, where BluEyeQ currently provides condition monitoring for many attractions.

"The technology applies to any rotating equipment. Anything with a motor typically has a gearbox associated with it. The gearbox on a helicopter looks very similar to those we encounter in the steel industry. In building the digital twin model as part of the SBIR project we've been able to draw on a wealth of industrial

assets and apply that knowledge to military systems. The biggest challenge we've faced during this project with the Navy is access to data from their assets. We need Navy data to fully validate our models, but we've been able to augment and validate them using commercial data, so progress hasn't slowed. The Navy will benefit from our use of commercial data."

The digital twin SBIR project is BluEyeQ's first SBIR award from the Navy, and the company has taken advantage of the Department of the Navy's commercialization support resources. The Navy SBIR Transition Program (Navy STP) helped orient the company to the defense contracting environment. "It gave us exposure to more of the key players. We learned the terminology and gained a better understanding of the process, which was helpful. I've referred to the market research report produced through the program. While it didn't lead directly to new business, it provided valuable directional insight," says Colling.

Following the Navy STP, BluEyeQ participated in Navy Launch, a program that helps Navy SBIR Phase II awardees explore commercialization options and refine their strategy. Colling describes it as an experience that provided significant value. Working closely with an assigned commercial advisor, BluEyeQ completed Navy Launch in late 2025.

BluEyeQ is a small business based in Charlotte, North Carolina. Colling founded the company in 2013, building on an extensive career that included radar and submarine sonar work, tactical radio development, broadband cable network infrastructure, and wireless mesh and sensor networks for government customers in the border security and special forces communities.

"I didn't intentionally start the business to focus on machine health monitoring, but that's where the opportunities aligned with my capabilities and interests more than anything," says Colling. "We started doing data analytics before big data and data handling became a hot topic."

The company's name — BluEyeQ — refers to the concept of "Vision &Intelligence," its tagline, as revealed through machine data. Plus, Colling adds, it's a tribute to his highly intelligent, blue-eyed wife, who had to be convinced that quitting his job to start a business was a good idea.

BluEyeQ offers a range of machine health monitoring products and solutions, combining Internet of Things-enabled sensors, physical AI, digital twin representations that provide customers with visibility into machine condition, and expert analysis to validate system reporting and recommendations. For more information, visit www.blueyeq.com.

BLUEYEQ
VISION ▪ INTELLIGENCE

SBIR data rights and competitive solicitations

By the Navy STTR and STP Program Manager

In the winter 2025 issue of *Transitions*, I provided an overview of the data rights environment, including a quad chart providing basic information for determining data rights based on expense and defining certain data rights terms.

In this issue I want to address an important question: "Are SBIR rights still applicable to a Phase III award if the solicitation requires different data rights?"

Consider the following hypothetical example.

The government issues a competitive solicitation calling for unlimited data rights. The solicitation requires that the award winner must deliver data, software, and materials to the government with unlimited data rights. (For purposes of this article I will not further explain unlimited data rights.) The request for proposals specifically identifies one or more of the following DFARS clauses:

"When the work qualifies as a Phase III effort, the law requires that the contract provide SBIR data rights, even when it results from a competitive award specifying different rights."

- 252.227-7013 "Rights in Technical Data — Other Than Commercial Products and Commercial Services"

- 252.227-7014 "Rights in Other Than Commercial Computer Software and Other Than Commercial Computer Software Documentation"

- 252.227-7017 "Identification and Assertion of Use, Release, or Disclosure Restrictions"

Photo Credit: Adobe Stock By Phushutter

A small business with a prior SBIR award submits a proposal and is selected for award. The particular work under the new contract "derives from, extends or completes" a prior SBIR effort this firm conducted in the last few years (i.e., the SBIR data rights are still within the 20-year period from first award).

In this situation, the Phase III award must be accorded SBIR data rights under the law. Even though the solicitation identified non-SBIR DFARS data rights clauses, a Phase III award resulting from a competitive solicitation must instead include the military SBIR data rights clause, DFARS 252.227-7018.

In short, a competitive solicitation does not eliminate SBIR data rights. When the work qualifies as a Phase III effort, the law requires that the contract provide SBIR data rights, even when it results from a competitive award specifying different rights. See Directive, § 4(c)(2).

If your company finds itself in a similar situation, please discuss the issue with the contracting officer.

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

The Navy SBIR Transition Program (Navy STP) hosted a SYSCOM Technical Information Exchange (Navy STP SYSCOM T.I.E.) event and Navy STP Showcases at WEST 2026 and the Sea-Air-Space 2026 Exposition (S-A-S) to spotlight innovative technologies developed by participating small businesses. These events provided valuable opportunities to introduce promising SBIR/STTR-developed solutions to Department of the 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, available at https://vtm.navyfst.com/.

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

WEST 2026

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 that support maritime operations.

At WEST 2026, the Navy STP Showcase booth

Photo credit: Jennifer Reisch

Craig Owens from Lockheed Martin talks with Colvin Run Networks, Inc. at WEST 2026.

featured 34 participating small businesses and their projects. These projects represented a wide range of technology areas, including:

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

Navy STP Showcase events connect small businesses with prime contractors...continued

One Navy STP company also demonstrated its SBIR-funded technology during a live demo day event. NAVWAR Commander Rear Admiral Rothenhaus visited the booth and engaged directly with participating small businesses.

Navy STP SYSCOM Technical Information Exchange

Held in March in Arlington, Virginia, the Navy STP SYSCOM T.I.E. enabled small businesses to engage directly with representatives from the Navy SYSCOMs and industry partners.

Speakers included:

- Dave Bellis and Brent Gaut, Navy Programs, ADS
- Rich O'Connell and Chris Canniff, AWS MCE
- Ryan Gatterdam, Google
- Kelly Carruthers, DoN-SBIR Experimentation Cell
- Bruce Olsen, Colvin Run Networks
- Lia DiBello, ACSI Labs

The event showcased 48 Navy-funded technologies from 44 small businesses. These innovations support a broad range of technology categories, including:

- Advanced Electronics
- Air Platforms
- Autonomy
- Battlespace Environments
- Biomedical (ASBREM)
- C4I (Command, Control, Communications, Computers and Intelligence)
- Directed Energy
- Electronic Warfare

Jada Rivera from Boeing meets with Product Innovation and Engineering L.L.C. at the Navy STP SYSCOM T.I.E.

- Energy and Power Technologies
- Ground and Sea Platforms
- Human Systems
- Materials and Manufacturing Processes
- Modeling and Simulation Technology
- Sensors
- Sustainment
- Weapons Technologies

Sea-Air-Space 2026

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

At S-A-S, 47 Navy STP small businesses presented posters on 52 technologies in areas

such as:

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

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

High-ranking Navy and flag officers visited the Navy STP booth, where they received briefings on participating companies' technologies.

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. The platform enhances accessibility and streamlines collaboration, helping participants expand their reach and impact.

Mark Dombrowski sets up for the Surface Optics demo at Sea-Air-Space.

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 U.S. Navy and Marine Corps' mission needs and transition pathways.

STP
NAVY SBIR TRANSITION PROGRAM

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

Photo Credit: U.S. Navy

The future of Naval innovation starts here. The following pages provide an early look at the Phase II small businesses participating in this year's Navy SBIR Transition Program (Navy STP). These companies are developing and refining technologies with strong potential to transition into use by Sailors and Marines, with support from Navy STP.

Companies are organized by sponsoring SYSCOM and categorized by the most relevant Office of the Secretary of War Communities of Interest. If you see technology of interest, please contact the company directly for additional information.

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

You'll also have opportunities to meet many of these companies and learn about their technologies at upcoming Navy STP events:

- Navy STP Showcase at WEST 2027 — February 16–18, 2027, in San Diego
- Navy SYSCOM Technical Information Exchange — March 9-10, 2027, in Arlington, Virginia
- Navy STP Showcase at Sea-Air-Space 2027 — April 5-7, 2027, in National Harbor, Maryland

Navy SBIR Transition Program (Navy STP) Participants			
Company / Topic Title	**Topic #**	**Company Website URL**	**Showcase**
ADVANCED ELECTRONICS			
Adroit Materials	N231-070	https://www.adroitmaterials.com	Sea-Air-Space
Solar-Blind UVC and VUV Detectors			
Amethyst Research Incorporated	N241-006	https://www.amethystresearch.com	Sea-Air-Space
Two-color Mid-Wave Infrared (MWIR) LED Array Infrared Scene Projector (IRSP)			
Areté Associates	N191-027	https://arete.com	Sea-Air-Space
Rugged ADCP			
Critical Frequency Design, LLC	N221-045	https://www.criticalfrequency.com	Sea-Air-Space
Fiber Optic Cable for Radio Frequency Over Fiber Links			
Critical Frequency Design, LLC	N241-D01	https://www.criticalfrequency.com	WEST
Ultrahigh-Dynamic Range Photonic-Assisted Direct Digitization Receiver			
EngeniusMicro, LLC	N241-062	https://www.engeniusmicro.com	Sea-Air-Space
Compact Metamaterial-Enabled High Power Microwave Antennas			
Integra Technologies, Inc.	N231-062	http://www.integratech.com	Sea-Air-Space
Advanced 150V GaN Solid State Power Amplifier Topologies for High Power Microwave Applications			
LeWiz Communications, Inc.	N231-073	http://www.lewiz.com	Sea-Air-Space
Fast, Self-Recovery, Fully Rad-Hard FPGA Chip			
Milanowski & Associates, Inc.	N172-138	https://www.radhard.com	WEST
Radiation-Induced Upset Circumvention & Recovery in Modern Electronics Systems			

Navy SBIR Transition Program (Navy STP) Participants			
Company / Topic Title	**Topic#**	**website URL**	**Showcase**
Northstar Photonics LLC	N231-075		Sea-Air-Space
Reduced Half-Wave Voltage in Integrated Optical Circuits for Interferometric Fiber Optic Gyroscopes			
Northstar Photonics LLC	N242-D12		Sea-Air-Space
Versatile Optical Assembly for Ultra-Compact FOG Modulator			
Triton Systems, Inc.	N21A-T010	https://tritonsystems.com	SYSCOM T.I.E.
Novel Acoustic Source for Target Identification and Classification			
AIR PLATFORMS			
Aviation Resources and Consulting Services, LLC (ARCS)	N234-P02	https://www.arcsaviation.com	Sea-Air-Space
Battle-Damage Data Recording System (BDDRS)			
Cornerstone Research Group, Inc.	N24A-T004	https://www.crgrp.com	SYSCOM T.I.E.
Prognostic Real-Time Operation Machine Learning for Engine Health and Usage Supervision			
LeVanta Tech Inc.	N251-D03		Sea-Air-Space
Accelerator-Based Launcher for Shipboard Systems			
Nanoionix, LLC	N241-015		Sea-Air-Space
High Emissivity Hypersonic Window Coatings			
Parallel Flight Technologies, Inc.	NASA19A1.04	https://www.parallelflight.com	Sea-Air-Space
Modifications to Firefly to Make Maritime Compatible			
Resono Pressure Systems	N24A-T010		Sea-Air-Space
Advanced Reconfigurable Miniaturized Air Data Sensor for Unmanned Aerial Vehicles			
Spectral Energies, LLC	N24A-T016	https://spectralenergies.com	SYSCOM T.I.E.
Novel 2D Plasma Actuator for Rotating Detonation Augmentors			
Triton Systems, Inc.	N202-088	https://tritonsystems.com	Sea-Air-Space
Advanced Low-Level Parachute System			
AUTONOMY			
Cardinal Engineering, LLC	N231-028		SYSCOM T.I.E.
Digital Engineering - Artificial Intelligence/Machine Learning (AI/ML) Hull Mechanical & Electrical Controls			
InnoVital Systems, Inc.	N231-071		SYSCOM T.I.E.
Compact Aerial Inspection System for Elevated and Small Spaces			
IOTAI, Inc.	N23B-T031		SYSCOM T.I.E.
Ad Hoc Swarm Modulation and Adaptation			
Opto-Knowledge Systems, Inc. (OKSI)	N211-076	https://oksi.ai	Sea-Air-Space
Robust Autonomous Precise Image-based Draft Determination (RAPIDD) Phase II			
Overwatch Imaging	N231-049		SYSCOM T.I.E.
AI/ML-enabled Automated Sensor Video Processing and Intelligence Packaging			
SimVentions, Inc.	N181-053	https://www.simventions.com	SYSCOM T.I.E.
A Robust Data Architecture for Rapid Combat System Integration, Testing, and Certification			
Tether	N232-080	https://www.tetherusa.com	SYSCOM T.I.E.
Hard Platooning			
BATTLESPACE ENVIRONMENTS			
Acme AtronOmatic LLC	N23A-T025	https://www.myradar.com	SYSCOM T.I.E.
Enhanced Tactical Decision Support through Nowcasting-to-NWP (N2N) Data Fusion for Cloud Nowcasting			
Areté Associates	N241-030	https://arete.com	SYSCOM T.I.E.
Acoustic Training Data			

First look...continued

Navy SBIR Transition Program (Navy STP) Participants			
Company / Topic Title	**Topic#**	**website URL**	**Showcase**
Creare LLC	N24A-T018	https://www.creare.com	Sea-Air-Space
Low Cost Expendable Impulsive Sound Source			
MacroVation	N232-081	https://macrovation.com	SYSCOM T.I.E.
Safe, Low-Cost, and Sustainable Algae Derived Incapacitating Foams (a strategic nonlethal weapon reborn)			
Rhoman Aerospace Corporation	N234-P02		WEST
GPS-Denied Autonomous Aerial Logistics, Sense & Avoid, and Auto-Air Traffic Management			
COMMAND, CONTROL, COMMUNICATIONS, COMPUTERS, & INTELLIGENCE (C4I)			
Applied Ocean Sciences	N232-109	https://www.appliedoceansciences.com	Sea-Air-Space
Data Exfiltration and Communication Architecture for Cooperative, Autonomous, Underwater, Long-endurance Sensors			
BrainGu, LLC	AF212-0008	https://braingu.com	Sea-Air-Space
SmoothGlue Platform Compatibility Adapters			
Caliola Engineering LLC	N241-056		SYSCOM T.I.E.
Autonomous, Mission-Based Traffic Engineering			
Cognicom, Inc.	N234-P02	https://cognicom.com	SYSCOM T.I.E.
Neptune Radio Improvement for Logistics in a Contested Environment			
Daniel H. Wagner Associates, Incorporated	N211-048		SYSCOM T.I.E.
Situation Awareness (SA) Based on Accurate Cumulative Detection Probability (CDP) Calculations, Common Operational Picture (COP), and Intelligence Estimates of Enemy Courses of Action (COAs) (SAC3)			
FIRST RF Corporation	N222-128	https://www.firstrf.com/	Sea-Air-Space
Deployable Antennas for Hypersonics			
GIRD Systems, Inc.	N092-106	http://www.girdsystems.com	Sea-Air-Space
MIDS JTRS Augmentation Processor and Transceiver			
GreyCliff Industries, Inc.	N234-P02		Sea-Air-Space
RACECOM: Resilient Alternate Adaptive Cloud Enabled Communications Architecture for Contested Logistics and Airspace De-confliction.			
Innovative Defense Technologies	N163-138	https://www.idtus.com	SYSCOM T.I.E.
Analysis Tools for Managing Commercial Off-The-Shelf (COTS) Obsolescence			
Intellisense Systems, Inc.	N231-008	https://www.intellisenseinc.com	SYSCOM T.I.E.
Broadband Real-Time IP-Based Architecture for Vehicle Electronics			
Knowledge Based Systems, Inc.	N241-055	https://www.kbsi.com	WEST
System for Efficient Authoring and Smart Condition Reporting and Intelligent Baseline Evaluation (SEASCRIBE)			
Machina Cognita Technologies, Inc	N254-D08	https://www.machinacognita.com	WEST
Natural-language Ontologies for battlespace Visualizations and Analytics (NOVA)			
Pareto Frontier, LLC	N252-D11	https://www.pareto-frontier.com	WEST
Versatile Interference Guard with Integrated LPD and Adaptive Nulling of Targeted Emitters (VIGILANTE)			
Programs Management Analytics & Technologies, Inc.	N202-101	https://pmatinc.com	Sea-Air-Space
Selective Information Discovery and Efficient Transmission (SIDET)			
Signal Systems Corporation	N251-D01		Sea-Air-Space
Passive Acoustics Sonobuoys Intelligence and Machine Learning			
Stottler Henke Associates, Inc.	N232-085	https://www.stottlerhenke.com	WEST
Autonomous VTOL software for Intelligent and Adaptive Noncooperative landing (AVIAN)			
Toyon Research Corporation	N242-084	https://www.toyon.com	WEST
Modular Open Architecture Assured Positioning, Navigation, and Timing (PNT) Hub			

First look...continued

Navy SBIR Transition Program (Navy STP) Participants			
Company / Topic Title	**Topic#**	**website URL**	**Showcase**
Triton Systems, Inc.	N221-053	https://tritonsystems.com	WEST
Multi-Aperture Vector Sensor Vertical Array Processing Enhancements to Reduce Operator Workload			
VSolvit LLC	N241-055	https://vsolvit.com	SYSCOM T.I.E.
Generative Text Engine for Form Completion			
COUNTER IMPROVISED EXPLOSIVE DEVICES (C-IED)			
Energetic Materials & Products, Inc.	N234-P06	https://empi-inc.com/	SYSCOM T.I.E.
Expanded Lethality of Technologies of Maritime Mining and Mine Countermeasure			
CYBER			
Intellisense Systems, Inc.	N222-124	https://www.intellisenseinc.com	WEST
Secure Agile Reconfigurable Encryptor			
DIRECTED ENERGY			
Forward Photonics LLC	N22A-T014	https://www.forwardphotonics.com	Sea-Air-Space
Visible to Near Infrared Laser Array with Integral Wavelength Beam Combining			
Forward Photonics LLC	N241-066	https://www.forwardphotonics.com	SYSCOM T.I.E.
Laser Magazine for Direct Diode Directed Energy Weapons			
NP Photonics, Inc.	N221-063	https://www.npphotonics.com	SYSCOM T.I.E.
Nonlinearity Mitigated Gain Fiber Development for kW-class Fiber Lasers			
Paragon Space Development Corporation	N241-063	https://www.paragonsdc.com	WEST
Naval Shipboard Embedded Battery Containment System Ph II			
ELECTROMAGNETIC WARFARE (EW)			
A10 Systems LLC	N232-095		SYSCOM T.I.E.
Spectrum-Aware Sensor Optimized Signaling (S2OS)			
BANC3, Inc	N241-019	https://www.banc3.com	SYSCOM T.I.E.
Wideband 16x12 Non-Blocking Radio Frequency Switch			
ColdQuanta, Inc.	N242-096		WEST
Quantum Inspired Rapid Context (QuIRC): A Framework for Low-Latency, Context-Aware Data Stream Processing			
ENERGY & POWER TECHNOLOGIES			
Altect, Inc.	N241-063	https://www.altect.com	Sea-Air-Space
Explosion, Ventilation and Toxicity Containment System for Batteries			
Cornerstone Research Group, Inc.	N192-052	https://www.crgrp.com	Sea-Air-Space
Advanced Aircraft Electrical Load Management System			
Farad Power, Inc.	N23A-T020		SYSCOM T.I.E.
Synthetic Graphite from Biomass as Anode Material for 6T Batteries			
LaunchPoint Electric Propulsion Solutions Inc.	N241-021	https://launchpointeps.com/	SYSCOM T.I.E.
High Temperature, High Efficiency Engine Starter/Generator System			
National Energy USA	X224-ODCSO1	https://www.nationalenergyusa.com	Sea-Air-Space
Fueling the Mission with Bioenergy Resources			
Physical Sciences Inc.	N234-P06	http://www.psicorp.com	Sea-Air-Space
High Energy Primary Battery for Navy Applications			
Technology Holding, LLC	N23A-T015		SYSCOM T.I.E.
Novel Method to Produce Renewable JP10			
Toyon Research Corporation	N231-017	https://www.toyon.com	SYSCOM T.I.E.
Enabling Technologies to Support Individual Blade Control for Rotorcraft			

First look...continued

Navy SBIR Transition Program (Navy STP) Participants			
Company / Topic Title	**Topic#**	**website URL**	**Showcase**
ENGINEERED RESILIENT SYSTEMS (ERS)			
Dynamic Dimension Technologies	N251-D07	https://www.dynamicdimensiontechnologies.com	SYSCOM T.I.E.
Next Generation Naval Design Tools			
Vigilant Cyber Systems, Inc.	N231-055	https://vigilantsys.com	Sea-Air-Space
Automated Mission Readiness Assessment of Shipboard Systems (AMRASS)			
GROUND AND SEA PLATFORMS			
General Lasertronics	AF112-110	https://www.lasertronics.com	WEST
Portable Laser Removal Tool, Phase II			
HUMAN SYSTEMS			
ACSILabs Inc	N211-082	https://www.acsilabs.org	WEST
Accelerating Acquisition of Tactical Expertise in Ill Structure Combat Settings using the FutureView™ MMO platform			
Charles River Analytics Inc.	N241-055	https://www.cra.com	Sea-Air-Space
TransForm: Generative AI for Filling Forms			
Cognitive Performance Group of Florida	N161-060		WEST
Automated OMEN Performance Assessment and Analytics Capability (A-OPAAC)			
Cognitive Performance Group of Florida	N193-A03		WEST
Adaptive Training for the Basic Geographic Intelligence Specialist (BGIS) Course			
Daniel H. Wagner Associates, Incorporated	N231-038		Sea-Air-Space
Autoencoder Compression Enhancements for Undersea Sensor Data (ACE4USD)			
Design Interactive, LLC	N152-108	https://designinteractive.net	WEST
TECK: Training Evaluation and Collection Kit			
Nakamir	N241-043	https://www.nakamir.com	Sea-Air-Space
SmartYard Navigator (SYNAV): An AI-Enhanced Augmented Reality System for Efficient and Safe Shipyard Operations			
Spectral Labs Incorporated	N241-064	https://www.spectrallabs.com	WEST
Advanced Wearable Integration and Synchronization Hub (AWISH)			
Tectus Corporation	AF20R-DCSO1	https://www.mojo.vision	SYSCOM T.I.E.
Ultra Lightweight Graphics Engine for Augmented Reality (UL GEAR)			
MATERIALS & MANUFACTURING PROCESSES			
Advanced Ceramic Fibers, LLC	N231-072	https://www.acfibers.com	Sea-Air-Space
UHT Ceramic Yarn Manufactured From Silicon Carbide (SiC) Fibers			
AsterTech LLC	N24A-T021	https://astertechs.com	SYSCOM T.I.E.
Synthesis and Scale-Up of Metal Diboride Precursors for Chemical Vapor Infiltration			
ATA Engineering, Inc	N221-007	https://www.ata-e.com	SYSCOM T.I.E.
VIVA: A Software Toolkit for Automated Multiscale In-Situ Effective Mechanical Property Prediction from Computed Tomography of As-Built Composites			
Big Metal Additive, LLC	N204-A03		WEST
Additive Manufacturing for Big Navy Parts			
Cornerstone Research Group, Inc.	N232-116	https://www.crgrp.com	SYSCOM T.I.E.
Transmission Laser Welding Via Two-Photon Absorption			
HIDENN-AI, Inc.	N23A-T004	https://www.hidenn.ai	WEST
Digital Twin-based Machine Control for Laser Powder Bed Fusion of Metallic Aerospace Components			
Lorad Chemical Corporation	N222-116		SYSCOM T.I.E.
Development of Tunable, Repeatable, Calcium Lanthanum Sulfide Ceramic Powder, Phase II			
Luna Labs USA, LLC	N221-066	https://www.lunalabs.us	SYSCOM T.I.E.
Novel Salt-Tolerant Water Blocking Materials for Marine Cables			

First look...continued

Navy SBIR Transition Program (Navy STP) Participants			
Company / Topic Title	**Topic#**	**website URL**	**Showcase**
Scientific Systems Company, Inc.	N251-D07	https://www.ssci.com	SYSCOM T.I.E.
AI-Aided Design (A2D)			
Texas Research Institute Austin, Inc.	N212-120	http://www.tri-austin.com	Sea-Air-Space
Tough, Ultra-Rapid Restructuring Marine Coatings with Broad-Spectrum Anti-Fouling Behavior			
United Protective Technologies, LLC	N222-127	https://www.upt-usa.com	Sea-Air-Space
Innovative Manufacturing/Materials in Hypersonic Thermal Protection Systems			
MODELING AND SIMULATION TECHNOLOGY			
CFD Research Corporation	N222-123	https://www.cfd-research.com	SYSCOM T.I.E.
Thermal Protection System Modeling and Simulation Software for Hardware in the Loop			
CFD Research Corporation	N231-060	https://www.cfd-research.com	Sea-Air-Space
Development of Modeling Approaches for the Prediction of Aged TPS Material Performance			
Design Interactive, Inc.	N241-043		Sea-Air-Space
TRANSFORM			
Innovative Defense Technologies	N191-019	https://www.idtus.com	SYSCOM T.I.E.
Passive Data Collection for Naval Command and Control Decision Making			
SENSORS			
Areté Associates	N23A-T023	https://arete.com	Sea-Air-Space
Integrated Optical Imaging of the Environment on Underwater Autonomous Vehicles			
Areté Associates	N242-095	https://arete.com	WEST
Directional Wave Spectra Sensing Module for Autonomous Underwater Vehicle Gliders			
BlueFusion INC	N242-092	https://bluefusion.tech	SYSCOM T.I.E.
Event-Based Cameras with GigE-Vision: Enabling Low-Latency Data Transfer with 10G Interface and GenICam Software Interface			
HyperKelp Inc.	N231-013	https://www.hyperkelp.com	WEST
Buoy Based Distant Early Warning for Hypersonics			
Intellisense Systems, Inc.	N241-008	https://www.intellisenseinc.com	WEST
Fuel Tank Ullage Oxygen Sensor			
Lintrinsic Semiconductors	N242-090		SYSCOM T.I.E.
Semiconductor Switches Providing Linearity and Speed at High-power (SPLASH)			
NanoVox LLC	N231-011	https://www.nano-vox.com	SYSCOM T.I.E.
Additive Manufacture of Thermal Infrared Optical Materials			
Nexus Photonics	N22A-T014	https://www.nexusphotonics.com	WEST
High Power VNIR Laser Array in SiN			
nou Systems, Inc.	N222-121		Sea-Air-Space
RocketDoc			
nou Systems, Inc.	N24B-T029		Sea-Air-Space
ArcticFox Sentinel Phase II			
QDIR, Inc.	A22B-T019	https://qdinfrared.com	WEST
A Systematic Approach to High Operating Temperature (HOT) Colloidal Quantum Dot Infrared Photodetectors			
Scientific Systems Company, Inc.	N221-028	https://www.ssci.com	Sea-Air-Space
SAFESHIP: Situational Awareness and Forecasting Encounters for Sailing Harbors by Intelligent Planning			
SNOChip Inc.	N24B-T030		Sea-Air-Space
Achromatic Wide-FoV Compound Metalens Enabled by End-to-End Large-Diameter Inverse Design			
Sonalysts, Inc.	N241-061	https://www.sonalysts.com	SYSCOM T.I.E.
Multi-variable Unmanned Anti-Submarine Warfare (ASW) System Assessment			

First look...continued

Navy SBIR Transition Program (Navy STP) Participants			
Company / Topic Title	**Topic#**	**website URL**	**Showcase**
Texas Research Institute Austin, Inc.	N22A-T012	http://www.tri-austin.com	Sea-Air-Space
Survivable Minefield Mission Data Module			
Triton Systems, Inc.	N231-032	https://tritonsystems.com	WEST
Launchable Mini Glider for Variable Payloads			
Tunoptix Inc.	NASAS1.12	https://www.tunoptix.com	SYSCOM T.I.E.
Meta-optical spectral imaging via computation for lightweight hyperspectral imaging			
SPACE			
CFD Research Corporation	N232-112	https://www.cfd-research.com	Sea-Air-Space
Low SWaP Hypersonic Plasma Mitigation Device for RF Transmission			
SUSTAINMENT			
Beacon Interactive Systems	N193-A01	https://www.beaconinteractive.com	SYSCOM T.I.E.
Maintenance, Sustainment, and Operations of Land Based Test Facilities			
Boston Engineering Corporation	N162-114	https://boston-engineering.com	Sea-Air-Space
Flooded In-Tank Inspection Capability (HexScan ROV)			
Caliola Engineering LLC	N241-007		WEST
Delivering Waveform Capability at the Speed of Relevance			
Critical Frequency Design, LLC	N23A-T002	https://www.criticalfrequency.com	Sea-Air-Space
Digital Engineering - Integration of Fiber Optics Systems Design, Supportability, and Maintainability			
Forge Group, LLC	N234-P02	https://www.forgegroupllc.com	WEST
Asset Readiness and Monitoring for Operational Resilience (ARMOR)			
Luna Innovations Incorporated	N121-064	http://www.lunainc.com	Sea-Air-Space
Terahertz Imaging for Detection of Corrosion and Defects Under Hull Coatings			
Luna Labs USA, LLC	N241-032	https://www.lunalabs.us	Sea-Air-Space
Repairable, Erosion Resistance Nanocoatings for Extreme Environments			
RedShred	N234-P02	http://redshred.com	Sea-Air-Space
ABDREAM: Aircraft Battle Damage Repair: Essential Archive for Maintenance			
Texas Research Institute Austin, Inc.	N241-065	http://www.tri-austin.com	Sea-Air-Space
Advanced Nondestructive Inspection System for Detection and Characterization of Corrosion under Thick Coatings			
WEAPONS TECHNOLOGIES			
Colvin Run Networks, Inc.	AF231-0027	https://www.colvinrun.com	WEST
FALCON: Flexible Architecture for Long-range Coordinated Orientation and Navigation			
GlowSens, LLC	N231-005		WEST
Compact High Power Mid-Wave Infrared Laser System			
Intellisense Systems, Inc.	N192-091	https://www.intellisenseinc.com	SYSCOM T.I.E.
Automated, Universal, Flight and Telemetry Termination Safety System			
Physical Sciences Inc.	N232-113	http://www.psicorp.com	WEST
Acoustically driven Near-infrared on-Chip Optical Isolator for Photonic Circuits (ANECHOIC)			
Lynntech, Inc.	N231-076	https://www.lynntech.com	WEST
Conductive AntiStiction SAMs for MEMS Devices			
Lynntech, Inc.	N232-091	https://www.lynntech.com	SYSCOM T.I.E.
Castle-Nut (C-Nut)			
Lynntech, Inc.	N252-D10	https://www.lynntech.com	Sea-Air-Space
Supercapacitor Powered Aircraft Recovery Cabinet			

Connect with us!

Photo Credit: U.S. Navy

The Navy SBIR Transition Program (Navy STP) has a media presence on three platforms. For information on our participating small businesses, transition opportunities and SBIR/STTR news connect with us here:

@NavySTP

www.youtube.com/@NavySTP

https://x.com/NavySTP

To submit an article idea, make comments or ask questions about this newsletter, e-mail: navystptransitions@atsicorp.com