



## Department of the Navy Forum for SBIR/STTR Transition

Celebrating our 20<sup>th</sup> year, the **Department of the Navy's SBIR/STTR Transition Program (Navy STP)** is excited to highlight select technologies at the virtual American Institute of Aeronautics and Astronautics (AIAA) AVIATION Forum—the Navy's cutting-edge small business technology showcased at the only aviation event that covers the entire integrated spectrum of aviation business, research, development, and technology. The Department of the Navy's Forum for SBIR/STTR Transition (Navy FST) delivers Navy STP small business solutions to government and industry leaders through Tech Talks and Meet the Expert sessions. Find information on current and past participating Navy STP topics in the Virtual Transition Marketplace (VTM).

**Learn more at [NavyFST.com](http://NavyFST.com)**

We have 27 exciting projects virtually exhibiting at AIAA AVIATION Forum; our Tech Talks are grouped into seven Focus Areas. Listen to a Tech Talk online and then connect with our experts through the VTM. Click on the company name to visit its website; select the topic number to view details on the specific project on the VTM; or opt to view all projects from the small business with the VTM Link. Either way, we think you'll agree that we are delivering Tomorrow's Technology Today! An additional 300+ technologies are included in the [Virtual Transition Marketplace](#), as well!

### Additive Manufacturing

<b>Senvol LLC</b>	<a href="#">VTM Link</a>	ONR [Code 30] / <b>N16A-T022</b>
<i>Using Machine Learning to Reduce Cost and Time to Qualify Additive Manufacturing Processes</i>		
<b>Shepra INC.</b>	<a href="#">VTM Link</a>	NAVAIR [PEO (A)] / <b>N16A-T007</b>
<i>Optimized High Performance Stainless Steel Powder for Selective Laser Melting Additive Manufacturing (AM)</i>		
<b>Triton Systems, Inc.</b>	<a href="#">VTM Link</a>	NAVAIR [PEO (A)] / <b>N171-010</b>
<i>Additive Manufacturing Technology for Sonobuoy Applications</i>		
<b>Aircrew Equipment &amp; Training</b>		
<b>Charles River Analytics Inc.</b>	<a href="#">VTM Link</a>	NAVAIR [JSF] / <b>N162-094</b>
<i>Ecological Advanced Support Interface Toolkit for Heads Up Attention to Improve Warfighter Knowledge (EASI-HAWK)</i>		
<b>Creare LLC</b>	<a href="#">VTM Link</a>	NAVAIR [PEO (T)] / <b>N172-120</b>
<i>Flight Head and Hearing Protection System</i>		
<b>NanoSonic, Inc.</b>	<a href="#">VTM Link</a>	NAVAIR [JSF] / <b>N171-008</b>
<i>Lightweight, highly breathable HybridSil® drysuit fabrics with instant watertight sealing</i>		
<b>SDI Engineering Inc</b>	<a href="#">VTM Link</a>	NAVAIR [AIR-4.3] / <b>N092-111</b>
<i>Development and Validation of an Advanced Simulation Tool for the Evaluation of Aerial Refueling Events</i>		
<b>Triton Systems, Inc.</b>	<a href="#">VTM Link</a>	NAVAIR [AIR-1.0] / <b>N171-018</b>
<i>Low Cost In-Flight Bladder Relief</i>		
<b>Wolf Technical Services, Inc.</b>	<a href="#">VTM Link</a>	NAVAIR [PEO (A)] / <b>N171-026</b>
<i>Aircrew-Mounted Self-Adjusting Tether System</i>		
<b>Antennas, Sensors &amp; Self-Defense</b>		
<b>Pacific Antenna Systems</b>	<a href="#">VTM Link</a>	NAVAIR [PEO (U&W)] / <b>N141-015</b>
<i>Long range, High Capacity Backhaul (HCB) Ultra-wideband antennas for Ku and W Band network applications</i>		
<b>Quad-M, Inc.</b>	<a href="#">VTM Link</a>	NAVAIR [PEO (T)] / <b>N171-030</b>
<i>Dual Chaff Air Expendable Decoy Device</i>		
<b>QUASAR Federal Systems, Inc.</b>	<a href="#">VTM Link</a>	NAVAIR [PEO (A)] / <b>N172-116</b>
<i>Miniature Oriented Tri-Axial Fluxgate Magnetometer Sensor</i>		
<b>Special Aerospace Services, LLC</b>	<a href="#">VTM Link</a>	NAVAIR [PEO (T)] / <b>N172-115</b>
<i>Selective Emission of Light Utilizing Functionally-Graded Energetic Materials</i>		

**Click on the company name to view the firm's website – Click on the topic number to view project details**

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<i>Aviation Design &amp; Test Tools</i>		
<b>Combustion Science &amp; Engineering, Inc.</b>	<a href="#">VTM Link</a>	NAVAIR [PEO (T)] / N17A-T003
<i>Ignition Modeling for Present and Future Combustors and Augmentors</i>		
<b>Directed Vapor Technologies International, Inc.</b>	<a href="#">VTM Link</a>	NAVAIR [NAVAIR] / N17B-T031
<i>Materials Modeling Tool for Alloy Design to Streamline the Development of High Temperature, High-Entropy Alloys for Advanced Propulsion Systems</i>		
<b>SimVentions, Inc.</b>	<a href="#">VTM Link</a>	NAVAIR [JSF] / N162-084
<i>Hardware Open Systems Technologies (HOST) Hardware Integration Tool Set</i>		
<b>Tucson Embedded Systems</b>	<a href="#">VTM Link</a>	NAVAIR [JSF] / N162-086
<i>Hardware Open Systems Technologies (HOST) Conformance Tool</i>		
<i>Battery &amp; Power Technologies</i>		
<b>Bioenno Tech, LLC</b>	<a href="#">VTM Link</a>	NAVAIR [4.0T CTO] / N162-092
<i>All Solid-State Batteries for Navy Applications</i>		
<b>Composite Technology Development, Inc.</b>	<a href="#">VTM Link</a>	ONR [Code 33] / N172-128
<i>Manufacturing Process Development for High Temperature Polymer or Nanocomposite Films for Dielectric Capacitors</i>		
<b>MicroLink Devices</b>	<a href="#">VTM Link</a>	NAVAIR [PEO (U&W)] / N16A-T006
<i>Novel, High-Efficiency, Light-weight, Flexible Solar Cells as Electrical Power Generation Source</i>		
<b>Storagenegy Technologies, Inc.</b>	<a href="#">VTM Link</a>	NAVAIR [4.0T CTO] / N162-092
<i>All Solid-State Batteries for Navy Applications</i>		
<i>Fiber Optics / Photonics</i>		
<b>Intelligent Fiber Optic Systems Corporation</b>	<a href="#">VTM Link</a>	NAVAIR [JSF] / N171-032
<i>Intelligent Fiber-Optic Network with Real Time Built-in Test Performance Monitoring for Prognostics and Diagnostics</i>		
<b>Phase Sensitive Innovations, Inc.</b>	<a href="#">VTM Link</a>	NAVAIR [JSF] / N171-031
<i>1 Micron Fiber Optic Receiver for Mil-Aero Environment</i>		
<b>Tetramer Technologies, LLC</b>	<a href="#">VTM Link</a>	NAVAIR [AIR-1.0] / N112-125
<i>Fiber Optic Refractive Index Matching Material</i>		
<i>Structural Health Monitoring &amp; Repair</i>		
<b>Acellent Technologies, Inc.</b>	<a href="#">VTM Link</a>	NAVAIR [PEO (A)] / N122-110
<i>Fatigue crack detection in rotorcraft structures</i>		
<b>Creare LLC</b>	<a href="#">VTM Link</a>	NAVAIR [PEO (A)] / N162-087
<i>A Novel System for On-Site Structural Restoration Methods for Aircraft Components</i>		
<b>Physics Renaissance LLC</b>	<a href="#">VTM Link</a>	NAVAIR [PEO (A)] / N161-009
<i>Innovative Sensing Fasteners for Aircraft Fatigue Monitoring</i>		

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