



# Advancing Partnerships: Preparing our Warfighters for Success

Presented to: SBA/SBIR Program

Presented by: Tom Rudowsky, *Deputy Commander, NAVAIR  
and Small Business Champion*

23 July 2024





# The Imperative

“

Our adversaries have designed their militaries to overcome our traditional sources of strength. We must move rapidly to stay ahead and continuously create warfighting advantages.

We must think, act and operate differently, leveraging wargaming and experimentation to integrate conventional capabilities with hybrid, unmanned and disruptive technologies. Tomorrow's battlefield will be incredibly challenging and complex.

To win decisively in that environment, our Sailors must be the best warfighters in the world with the best systems, weapons and platforms to ensure we can defeat our adversaries.

CNO Adm. Lisa Franchetti

*CNO Priorities – America's Warfighting Navy*

”

“

To accomplish this, we rely on a wide range of companies and organizations—large and small—throughout our industrial base in key areas such as shipbuilding and ship repair, information and technology support services, and facilities construction and maintenance.

Secretary of the Navy Carlos Del Toro

*From his remarks given at the 2024 National 8(a) Small Business Conference in Atlanta, Georgia*

”

***Small businesses and research institutions are critical to meeting current and emergent warfighting needs.***







# By the Numbers

**Small businesses make up 73%** of companies in the defense industrial base and last year were **awarded more than 25% of all DoD prime contracts.**

In FY23, the Navy spent **\$20.1 billion** on contracts with small businesses, exceeding its target goal for the year **by more than 17%.**

In FY23  
NAVAIR's total  
obligations was  
**\$48.3 billion**



**\$3 billion**  
went to small  
businesses

*Over the last ten years,  
NAVAIR has averaged  
2.2 billion per year in  
small business obligations.*





# Delivering Warfighting Capability

*"Our North Star is delivering the warfighting capability the fleet needs to win, at a cost we can afford."*

## CORE VALUES



### Start with the Fleet.

Focus on outcomes that matter to the Warfighter.



### Change the Game.

Be bold. Challenge assumptions.  
Innovate, learn and improve.



### Win with Inclusion and Respect.

Treat your teammates with dignity and respect—**always**. Support your teammates.



## Small Business Critical Attributes

- Rapid innovation and technology development
- Specialized expertise and niche solutions
- Flexibility and responsiveness
- Cost-effective solutions
- Enhancing supply chain resilience





# You are Delivering

**PMA-201**

- Aircraft Carrier-based Precision Ship-Relative Navigation Guidance for Aircraft Landing under Emissions Control Conditions by **Coherent Technical Services, Inc.**
- Cartridge Actuated Devices/Propellant Actuated Devices Digital Twin by **Lonestar**

**PMA-205**

- Flight Breathing Awareness Trainer by **Lynntech, Inc.**
- SkyFall Parachute Trainer by **Soar Technology, Inc.**
- Project Link: Extended Reality Head Mounted Display by **Rave Computer Inc.**
- On-Demand Hypoxia Trainer by **Lynntech Inc.**

**PMA-208**

Advanced Techniques for Digital Radio Frequency Memories by **KOR Electronics (bought by Mercury Defense Systems)**

**COMFRC**

- Autonomous System for Aircraft Material Maintenance System by **VRC Metalsystems**
- Portable High Power Directed Energy Systems for Aviation Support by **Adapt Laser**

**PMA-263**

Visual Detection and Ranging (ViDAR) by **Sentient Vision Systems in Melbourne, Australia**

**PMA-213**

The Micro IFF program by **R Cubed Engineering**

**PMA-299**

Project Albatross by **Metamagnetics**

**PMA-273**

Augmented Reality Gaze-Under-Control Super-Resolution Head Mounted Display by **Physical Optics Corporation (bought by Mercury Mission Systems)**

**PMA-262**

ISAR Image Exploitation Tool also developed by **LSI**

**COMFRC & PMA-261**

Digital Twin for Airframe Corrosion by **Luna Labs**

**PMA-231**

- L Band Solid State High Power Amplifier by **North Star Scientific Corporation**
- “CORE” Software Defined Network Controller by **Fuse Integration, Inc.**

**PMA-264**

- Non-Traditional Airborne Anti-Submarine Warfare System by **Platform Aerospace**
- Target Localization with Drifting Sonobuoys by **Signal Systems Corporation**

**PMA-281**

Smart Caching of Imagery for Carry-On Systems by **Advanced Imagery Management**

**PMA-290**

Maritime, Airborne, Service Oriented Architecture Integration by **Progeny Systems Corporation**

**NAVAIR**

Autonomous and Intelligent Aircraft Maintenance Technologies by **Compass**





# Call to Action

**What are the factors for small businesses to be successful in support of naval aviation?**

## Partner with us!

- Match your small business' technical expertise, capabilities and capacity to develop and deliver technologies that meet fleet needs.
- Actively work with the technical point of contact to take advantage of the month-long BAA pre-release period. This is an opportunity to ask clarifying technical questions about the area of need's requirements.



**Complete the NAVAIR  
OSBP intake form**

*Meet with a  
small business professional*



*Thank  
you!*

*Your creativity, intellectual capacity and commitment to the  
Warfighter give us the advantage in this new era of strategic competition.*

***Together,** we will deliver the capability the Fleet needs to  
deter, fight, win and return home safely.*