PATHFINDER ELECTRONICS

Capability Statement

CAGE 92NT3
DUNS 117832120
UEI XVBTDHHARBZ9
Certified Small Business

Mission-Ready Electronics for Defense and Aerospace Delivered On Time and On Budget

Core Competencies

Rugged Displays

Embedded Systems

RF/Antenna Design

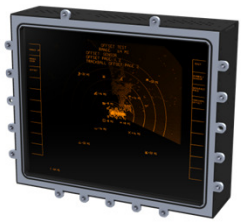
Pathfinder Electronics designs and manufactures rugged electronics for Defense and Aerospace, specializing in reverse engineering, new product development, and advanced research to deliver innovative, mission-critical solutions. Core competencies include:

Services

- Form-fit-function (FFF) replacement electronics modules and displays
- Reverse engineering
- Electronic, mechanical, RF/antenna design
- Contract advanced R&D
- PCBA and box builds, test equipment design
- Electromagnetic and multiphysics simulation

Capabilities

- ITAR Registered, DD Form 2345 Certified
- Full lifecycle product development
- Part design and manufacturing
- In-house prototyping, wire harness, box build, final test
- 3D scanning, 3D printing
- CMMC Level 2 / NIST 800-171 Cybersecurity



Past Performance

- Navy, Aegis Modernization Program: designed, qualified and delivered the PE-451 **rugged radar display** for the Aegis Combat System; and FFF-compatible replacement Video Attenuator **module**; and designed a portable stroke video **test fixture**. 2023-2024.
- Navy NAVAIR N68335-21-C-0518, PMA-242 SBIR I: designed and tested a fully functional **aerial rocket launcher intervalometer** prototype. 2021.
- Delivered hardware design and firmware for **avionics HUD** and **EFD** displays, 2020-2024.
- **Advanced antenna design** for the DoD, 2023-2025.
- Key personnel have performed contract R&D and product development for most DoD components and defense primes for 20+ years, with many fielded form-fit-function replacement **displays** and **video format converters** for radars, flight simulators, and ground test equipment.

Paths to Procurement

OTA, SBIR, Purchase and Credit Card, Subcontract

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