



*Added Value To*  
**Satellite  
Operators**





*PathFinder specializes in the technical management of programs to develop satellite ground terminal solutions to meet the unique and particular needs of each project, primarily for military and government agency programs. We are mobile satellite ground terminal SMEs.*

PathFinder Digital works with satellite operators to modify and enhance COTS satellite antennas/terminals to meet the specific needs/MIL-SPEC requirements of individual programs. We ensure compliance with the requirements of the target application ensuring that the satellite operator's customer has satellite terminals that both meet the customer's needs and operates seamlessly on the satellite operator's network. PathFinder designs, fabricates, and integrates these enhancements at the lowest possible price. PathFinder further provides sustainment services ensuring that the satellite terminals will remain operational on the satellite operator's network for as long as possible.

## ABOUT US

PathFinder builds upon antenna manufactures' core products to develop enhanced terminals meeting the specific criteria of each individual customer. PathFinder has a strong track record on developing custom satcom solutions that balance cost effectiveness with precision and durability. We specialize in working as a trusted partner to antenna manufactures by performing the rigorous work involved in modifying antennas/terminals to best meet each unique program's specifications, CONOPs, and MIL-STD requirements.

Antenna manufacturers also benefit by partnering with PathFinder. Instead of draining their resources on developing custom solutions that align with the CONOPs of major programs, they can focus on their standard products – and rely on PathFinder to manage the R&D/modifications necessary to tailor their products for specific applications.



## SOLUTIONS

Due to our small size and low overhead, PathFinder is able to quickly and inexpensively modify COTS products to develop prototype solutions tailored to meet each customer's need with low pass-through. PathFinder's program management and engineering team also manages the integration of the MVSAT solutions into the physical environments defined by the programs' CONOPS, as well as the satellite networks on which the terminals will operate. We are the bridge between antenna manufacturers and the successful implementation of their products into customers' applications.





*PathFinder Digital provides an array of value-added services to Government Agencies, Prime Contractors, and Antenna System Manufacturers.*

## VALUE-ADDED SOLUTIONS

### COMPLIANCE/CERTIFICATION

- » MIL-STD-810
- » MIL-STD-1472
- » MIL-STD-188-164
- » MIL-STD-1275
- » MIL-STD-461
- » Other MIL-STD / SPEC
- » DD-1494
- » U.S. Army Forces Strategic Command (ARSTRAT)
- » Commercial Satcom Type Approvals
- » Federal Acquisition Regulation [FAR] & DFAR
- » NIST SP 800-171
- » Implementing
- » CMMC ML2

### ENGINEERING

- » Custom network architectures
- » Custom power supplies and power systems
- » Custom modem interfaces
- » Amplifier integration
- » Modem integration
- » RF Redundancy
- » Custom Graphical User Interfaces
- » HAIPE device integration
- » Custom cabling, connectors
- » Custom I/O panels
- » VoIP/ATA telephony
- » Custom interfaces to vehicles or humans





## SERVICES

- » Engineering Services (NRE, R&D)
- » Operation and maintenance manuals
- » Provisioning Documentation
- » Interchangeability, sustainability, and EOL management
- » Resets
- » Repair
- » Maintenance
- » Field services
- » Call center
- » Safety and health hazard mitigation
- » Training



## PACKAGING

- » Custom case integration/pack-out design
- » Lightweight specifications
- » Airline checkable systems
- » Mobile/transportable systems
- » MIL-STD-2073-IE
- » MIL-STD-61A
- » MIL-STD-129R
- » IUID Labels





## CUSTOMERS

*PathFinder is privileged to serve the U.S. Armed Forces; a multitude of United States agencies at the federal, state, and local levels; satellite operators, prime contractors; and a variety of commercial companies. We take great pride that these organizations trust PathFinder with their mobile ground terminal satellite communications needs.*



### *Contact & Support*

PathFinder maintains a 24/7 call center to provide around the clock support to its satellite data service and hardware customers. PathFinder also provides Tier I, II, and III technical support on a contract basis on behalf of third party hardware and space segment providers.



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