# **3W** MISSION-CRITICAL NETWORKING SOLUTIONS

Modern warfighters are informed and kept safer on the front lines of battle, industrial systems respond in real-time, and mission-critical sensor systems are connected together in aerospace applications thanks to capable products developed by innovative companies.

Those companies rely on engineering guidance from DornerWorks for the reliable and robust networking solutions to make their product ideas become reality.



#### **MINIMIZE RISK**

Design, development and testing for proven networking solutions.

- High performance
- Scalablility



### NETWORKING MANAGEMENT FEATURES

- Layer 2 and Layer 3 Packet Routing
- Software Protocol Libraries
- Security
- Configuration



## **STANDARDS-BASED**FEATURES

- IEEE 802.3 1 Gbps full-duplex, IEEE 802.1AS-REV slave profile
- IEEE 802.1Q-2014 FQTSS strict priority or credit-based

# BUILD PRODUCTS THAT GROW YOUR BUSINESS

We know that product development companies want to serve their customers with new and better products.

When those products require a reliable and robust networking solution, we provide the talent and innovation to turn ideas into reality.

DornerWorks.com

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## FROM ALPHA TO BETA

in the time frame and budget they promised.



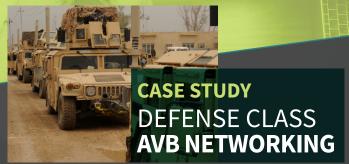


Using a radiation-hardened FPGA-based platform and engineering guidance from DornerWorks, an aerospace company reduced one of biggest barriers space travelers face when trying to communicate with loved ones back home.

DornerWorks guided the company toward radiation tolerant FPGAs and:

- Custom standards-based IP
- Multiple FPGAs with a RISC-V softcore processor

This solution is compatible with commercial devices, giving the company a stronger position in multiple markets. Flexible data rights meanwhile guarantee full ownership of the design.



The DornerWorks MAF Endpoint FPGA IP was implemented in a system that detects and mitigates the threat of oncoming airborne explosive devices around the perimeter of military ground vehicles.

This solution relies on a standards-based MAC custom designed to meet the demands for MAPS, and features an integrated and highly accurate gPTP module with 8ns accuracy and credit-based and strict-priority scheduling. The 1772 AVB Encapsulator simplifies integration into existing systems. Simply stream sensor data in to the IP and it's on the wire.

## LEADING SUPPLIER **PARTNERSHIPS**





### **ACCELERATE YOUR PRODUCT DEVELOPMENT TODAY**

Contact us now to schedule a meeting. Together we will map out a plan that meets your product goals and helps you lead the market.

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