Launching products for the aerospace and defense market can be complex and frustrating, but it shouldn’t have to take you from focusing on your customers.

DornerWorks helps your company reach its development goals on time, meet the leading standards, and stand out from the competition.

FRUSTRATION-FREE DEVELOPMENT

The complexity of aerospace & defense development shouldn’t hold your team back from innovation.

We can help you build confidence into your product development with embedded software and electronics engineering services.

PLATFORMS
- Embedded software development
- Electronics hardware development
- FPGA custom logic development

SUPPLEMENTAL SERVICES
- Requirements and architecture definition
- Regulatory and environmental compliance
- Test systems engineering

SUPPLIER QUALIFIED
- Xilinx Alliance Program Premier Member
- Lynx Software Integration Partner

DornerWorks.com | +1.616.245.8369
We have come to a point where our software is something that’s destined

NOT JUST FOR A LAB, BUT FOR AN AIRPLANE

Each of you has contributed greatly to this effort, and each of you should be proud of your contributions.

Thank you for all of your hard work.

~Senior Engineer

360-DEGREE AWARENESS

- An Altera Stratix IV FPGA was used to process five 1080p HD-SDI and two NTSC video inputs into a single video output.
- Each video input was scaled and positioned into a mosaic over a single video output.
- Dedicated video frame buffering was provided by DDR3 memory.
- The system software was run on a soft-core processor implemented in the FPGA logic.
- A custom PCB with the video processing FPGA was designed to meet MIL-STD specifications for ground vehicles.

RFSoC-BASED THREAT RESPONSE

A defense contractor wanted to miniaturize the SWaP-C and improve response time of their advanced radar systems that detected and mitigated oncoming airborne threats.

The design DornerWorks delivered was based on one of the first three Xilinx Zynq UltraScale+ RFSoC boards ever available. The software-controllable RFSoC system helped the client receive and process data almost instantaneously.

EMBEDDED HYPERVERVISOR

LynxSecure is a platform technology that controls hardware resources according to an intuitive information flow modeling language. It is the foundation of the LYNX MOSA.iC™ framework and was designed to satisfy real-time, high assurance computing requirements used to regulate military and industrial computing environments, such as NIST, NSA Common Criteria, and NERC CIP.

DornerWorks led the port of FreeRTOS as a supported guest running on LynxSecure, and can position companies to launch market leading products based on this innovative technology.

GET STARTED 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.

SCHEDULE A CONSULTATION

DornerWorks.com | +1.616.245.8369