

WOLF Advanced Technology

W I N N I N G A T T H E E D G E



CORPORATE PROFILE

WOLF
ADVANCED TECHNOLOGY

8 of the 10 top military and aerospace companies use WOLF products

► Clarity of Vision

WOLF is focused on designing and manufacturing high performance computing and video I/O boards, modules and systems for aerospace and defense. WOLF's engineering team has the expertise required to design extremely dense, technology-leading solutions using the most advanced GPUs, APUs, FPGAs, and other bleeding edge technologies which enable the advanced data collection and processing required to provide a clear vision of real time events as they develop at the edge.

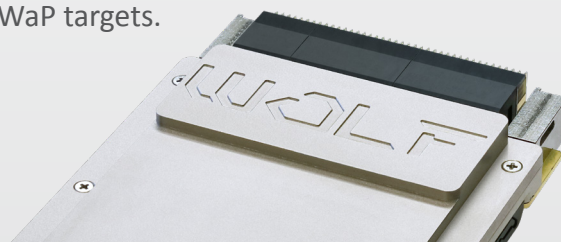
► Fast Connectivity for Modern Data

Modern sensors and cameras collect more data than ever before and getting that data to the processing node in a timely manner is an important part of a real time response. WOLF products include the connectivity that system designers need. Recent GPU innovations provide support for PCIe Gen4 speeds which doubles the speed of the previous GPU's Gen3 speeds. Embedded SmartNICs can support high ethernet speeds and RDMA over Converged Ethernet (RoCE) network protocol to allow data to be sent between nodes

without involving the host CPU, enabling lower latency and higher throughput. Cyber security features are also an important consideration, and the NVIDIA ConnectX SmartNICs integrated in select WOLF products ensure that your data is being processed by a secure compute node.

► Keeping Cool for High Performance

High performing processing requires high power, and high power generates heat. Finding innovative ways to dissipate the heat generated by those processors is an important part of WOLF product solutions. WOLF cooling methods include conduction cooled, air cooled and air flow through solutions, with additional methods available as custom options. By giving thermal design a high priority at every stage of new product design WOLF cooling solutions will ensure that you are achieving the best performance possible while meeting your SWaP targets.



Quality trumps all:

Our growth strategy is based on the delivery of quality first, coupled with design innovation that helps our customers win business. It's what we call *"winning at the edge"*.

► Delivering AS9100D Quality

The adoption of AS9100D is our commitment to continuous business improvement in everything we do, at all levels of the company.

From the beginning, quality has been the central pillar of our growth strategy from which all of our business processes evolve. The adoption of AS9100D, however, has helped us align our processes

and standards with larger military and aerospace companies which, in turn, supports our growth strategy.



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► SOSA Aligned Products

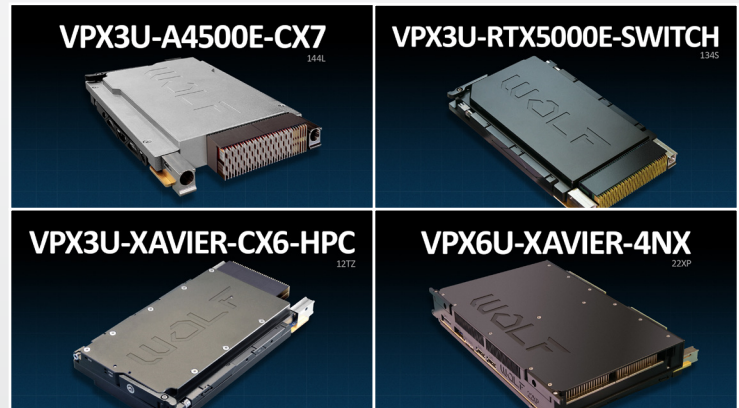
The US DoD adopted a Modular Open Systems Approach (MOSA) as a strategy for designing affordable and adaptable systems. The Sensor Open Systems Architecture (SOSA) approach to supporting this MOSA initiative is to leverage existing open standards (such as VITA VPX) to establish guidelines for Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance and Reconnaissance (C5ISR) systems. WOLF has been an active participant in this SOSA Consortium, promoting technology to support the high-performance video and compute solutions that WOLF is known for in the industry.

All applicable WOLF products designed since the release of the SOSA Technical Standard are SOSA Aligned, with OpenVPX options, and WOLF continues to design new products that push the boundaries of what is possible within the specification.



► Reliable Rugged Designs

All WOLF products are designed to meet or exceed rugged, embedded quality and manufacturing standards to ensure that they will operate reliably in harsh environments. WOLF is AS9100D and ISO 9001 certified ensuring that we meet the strict quality process requirements required for aerospace and military applications. WOLF is committed to continuous quality and process improvement in everything we do, at all levels of the company.



► “So NASA called us about their X-59 low-boom project...”

NASA gave us a call to help with their analog and 4K video requirements for their low boom project, which is centered around a new “windowless cockpit” jet design that reduces the noise associated with a sonic boom.

To satisfy the NASA requirements we’re supplying them with our XMC video output board, which features a high performance GPU, a chip-down rugged design that meets the MIL-

810 specification and can handle up to five 4K displays using Display Port 1.4, and High Dynamic Range video with 10-bit color depth.

We’re also supplying NASA with our XMC-FGX2-SDI-4IO, which has WOLF’s second-generation Frame Grabber eXtreme (FGX2) which enables up to eight 3G/HD-SDI or four 12G-SDI inputs and outputs, three analog inputs and outputs,

and a PCIe Gen4 interface that can handle up to 15.75 GB/s, with ultra low-latency H.265 encoding.

We are honored to be a part of the mission for the development of the X-59 and believe that it will help propel the resurrection of supersonic flights for commercial use.

WOLF ADVANCED TECHNOLOGY

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FOUNDED

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SENIOR EXECUTIVES

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Jacqueline McBeigh, Sr. VP Quality
Lindsey Chapman, Sr. Director Sales
& Marketing

TECHNOLOGY PARTNERS

NVIDIA
Xilinx
AMD
INTEL

CERTIFICATIONS & STANDARDS

AS-9100D (2019)
IPC 6012 CLASS 3
IPC-A-610 CLASS 3
ISO 9001:2015
IPC J-STD-001
RTCA DO-160
MIL-STD-810
DO-254
DO-178

A 72-hour Proposal:

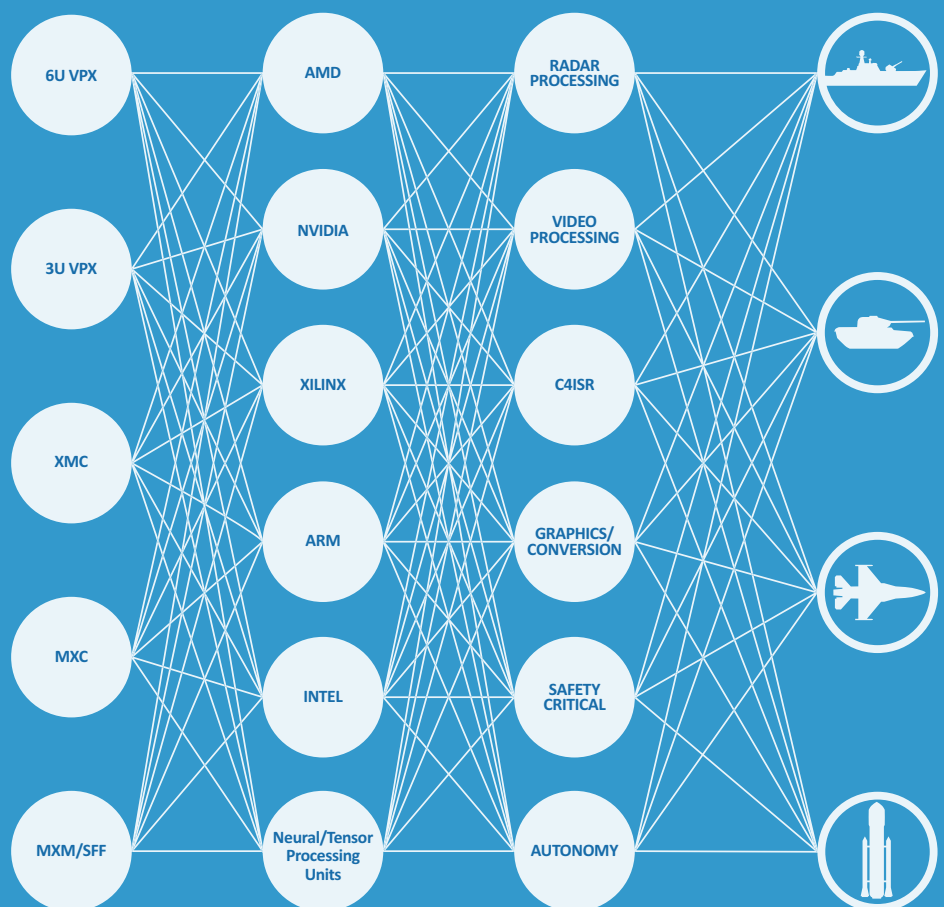
We will produce a proposal for you within 72 hours, after receipt of your requirement details. *Let's win together at the edge.*

Winning with COTS, MCOTS, and Custom

We have a reputation for giving our customers a competitive advantage. And whether this means using an existing design (COTS), modifying an existing design (MCOTS), or designing a new custom product, we'll work together to determine the best approach. There's a reason 8 out of the 10 largest military and aerospace companies are WOLF customers.

Winning Lifecycles

Nobody said this would be easy. But we've been doing it for over 20 years. And we have a track record of working with buyers to ensure lifecycle success and technology governance using our System Design Life Cycle (SDLC) process.



The trend is clear. More sensors. More data. More missions. Thankfully, emerging technologies are helping us harness and add value to this data to enable real-time mission decisions using traditional, GPU, and AI processors that can be deployed for military and aerospace use.

For more information visit wolfadvancedtechnology.com
or call **905.852.1163 x 1**, toll-free **1.800.931.4114**