



Product Development is an electronics engineering product design and development firm located in Bozeman, Montana

OVERVIEW

Founded in 1994, AED thrives on solving intricate design challenges and developing innovative solutions for a diverse clientele. Client engagements range from small technical assistance to full turn-key product development.

With a focus on efficiency and effectiveness, AED leverages past designs to accelerate the development process and reduce risk. Our nimble and responsive engineering team coupled with in-house quick-turn prototype manufacturing capabilities significantly shortens development timelines. AED's approach to engineering can lead to new products and features not initially imagined, turning single products into multi-market opportunities.

AED has deep expertise and proven capabilities across a broad range of product development disciplines, including extensive FPGA development expertise. Whether you have a preliminary concept or comprehensive design specifications, AED is your partner in converting ideas into final product design solutions.

WHAT WE OFFER

30

Years in Business

3

Licensed Professional Engineers

283

Years of Engineering Experience

24

Average Years of Engineering Experience



READY TO LEARN MORE?



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OUR WORK

AED is an innovative leader in development spanning numerous industries.



AUDIO VIDEO

Ultra high resolution camera with custom sensor

High-bandwidth video and graphics processing >400 Gbps

High-bandwidth storage >50 GBps



BROADCAST

SMPTE ST 2110 audio/video over Internet Protocol

12G-SDI video interface IP

Video scaling, compositing, and other processing IP



AUTOMOTIVE & TRANSPORT

RFSoc Lidar data acquisition

Lidar scan mirror control

Airport Emergency Signage



DEFENSE & AEROSPACE

Tactical data communications equipment

Imaging for the International Space Station



INDUSTRIAL

Machine vision

Precision motor control for robotics

Precision laser timing control <250ps



TEST & MEASUREMENT

Machine vision / optical calibration systems

Laser based surface inspection

Ultra low noise image capture



WIRED COMMUNICATION & NETWORKS

100GbE networking and packet processing

PCIe 4.0 Endpoint IP

NVMe storage controller



SCIENTIFIC & MEDICAL

Wireless EEG patient monitor

Neuroscience research data acquisition system

Pathogen DNA detection and analysis system

WHAT OTHERS SAY

“ Having worked with many engineers in the past, it is rare you get a group of such talented engineers all working on your project at the same time. This team is brilliant and a pleasure to work with. ”

- Meric Adriansen, D3 LED

“ This project with AED is regarded as one of the Workstation division's most successful contract design relationships ever. ”

-Dave Hodge, Hewlett-Packard