



Products and Services

Product Experience:

- Government/DoD and Spacecraft
 - Military/Civilian Communications
 - Signal Collection and Measurement
 - Spacecraft HW and SW
 - Wireless Communications and Networking
 - Encryption/Decryption
- Consumer Electronics
 - Networked Media Devices
 - 802.11x Wireless Network Devices
- Computer Systems
 - Embedded Systems
 - ASIC, Boards, System Development
 - PC Applications

Electronics Development:

- Aerospace to Tactical DoD
- Industrial to Consumer
- Embedded Processor and DSP
- RF and Analog
- MCM, PCB Design
- Wireless

RF Development:

- Receiver and Transmitter
- Power Amplifier
- Microwave
- 802.16 Wireless Networking
- Antenna Modeling and Design
- Software Waveform

Software Development:

- Firmware, BSP, BIOS, Driver Development
- DSP Code for Modems, RF, and Audio Decode
- VxWorks, Linux, pSOS, Nucleus, LynxOS, Windows Applications
- Graphical User Interface (GUI)
- Industry Standard Languages and Tools

ASIC and FPGA Development:

- RAD-Hard ASIC
- System-on-Chip Design
- Ultra-Large FPGA



Aeronix, Inc. is an employee-owned systems engineering and custom electronics development company, specializing in communications and data acquisition technologies for a variety of aerospace, Government/DoD, and consumer electronics applications.

Our 20 years of experience span Electronic Support Measures (ESM), embedded hardware and software development for military communication systems, ELINT/SIGINT, SDR/SCA development, radiation hardened space components, high assurance cryptographic modules, and wireless networking including MIL-STD-188-220, 802.11, and 802.16. Our highly experienced engineering staff and efficient management structure have allowed Aeronix to built a reputation of providing quality services, on time, and at a reasonable price.

Aeronix is a US Government Contractor Small Business



Aeronix History

Founded in 1985, Aeronix specializes in architecture, requirements definition, development, and validation of electrical engineering applications including control, communications, data acquisition, and information processing for both military and commercial customers.

As a fledgling company, Aeronix developed satellite components, test platforms, secure intercoms, and other similar devices. Over the years, our engineers began designing more complex radios, and rad-hard secure communications equipment. In 2003, Aeronix opened a second office and expanded into wireless consumer products.

Confidence, competence, and enthusiasm characterize our experienced team of owner-engineers. In twenty years of service to government and commercial sectors, they have forged Aeronix's reputation of sharp thinking and quick design and prototype turnaround.

Recent expansion to include manufacturing/production partnerships, and streamlined configuration management and quality processes keep us competitive, while holding our overhead costs low.

Headquartered in Melbourne, Florida, Aeronix operates development centers in Melbourne, Florida, and Greenville, South Carolina, and has a government liaison office in Washington, DC.

Aeronix at a Glance

Offices	Melbourne, Florida; Greenville, SC; Washington, DC
Employees	75, Average Engineer Experience 15+ Years 52 with Secret Clearance, 18 With Top Secret Clearance
Contracting Qualifications	US Government Contractor Small Business, FARS Compliant, DCAA Audited
Customers	NRL, JTRS Joint Program Office, US Navy, SPAWAR, TRW, Northrup Grumman, Titan/L3, AFRL, BAE
Partners	Symetrics