

Exceeding our customers' standards with innovative microelectronic solutions

We support the delivery of mission critical missile, electronic warfare, communications and radar applications.

Our RF microelectronic solutions achieve industry leading phase noise performance and high package density.

By delivering highly capable systems with best value life cycle costs, we help our customers support the warfighter.

Key Capabilities

- Accredited and trusted supplier
- mmW expertise to provide greater lethality, overmatch, and situational awareness
- High power for longer range and greater standoff
- Excellence in contested environments including LO/RCS reduction technology
- Advanced packaging including 2.1D and 2.5D for SWaP advantages
- Digital factory delivering automation, speed, and affordability
- Unique packaging to enable total system optimization across multiple sensors
- Software defined apertures for interoperability driving multi-mission success
- Innovative thermal management for success in severe environments
- Best-in-class radiation hardened and fault-tolerant performance enabling superior survival ability
- Metamaterials and 3D printing to drive performance and affordability

CAES capabilities include all technology building blocks required to design differentiating solutions for missiles and smart munitions applications.

Notable Platforms:

AGM-88E
AIM-120
AIM-9X
RIM-66
RIM-67
RIM-161
RIM-162
RIM-174
M982 / XM982
M1156 / XM 1156

Contact Information

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CAES PIONEERING
ADVANCED
ELECTRONICS

Engineering solutions for the world's most critical **MISSILE** missions



- CAES Missile Heritage -

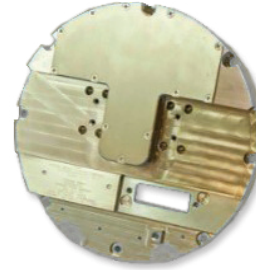
A 60+ year legacy of providing over 250,000 critical missile subsystems

CAES Advanced Electronics for Missile Applications



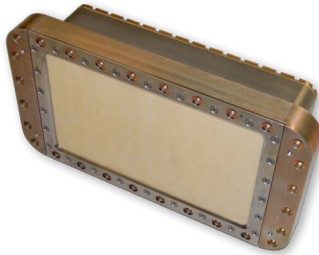
Proximity Sensors

- Terminal Phase
- Height of Burst
- Proximity Fuzing
- Aim Point Refinement
- Hypersonic
- Gun Hardened



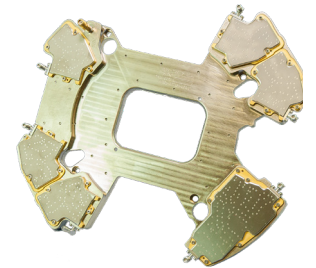
Antennas

- High Temperature
- Conformal
- LO/RCS Reduction
- GPS, Data Link, Telemetry Module
- Gun Hardened



Seekers

- Software Defined
- Digital at Aperture
- Phase Array
- Multi-band
- Multi-mode Enable
- Wideband Passive
- Integrated Exciter
- Gun Hardened



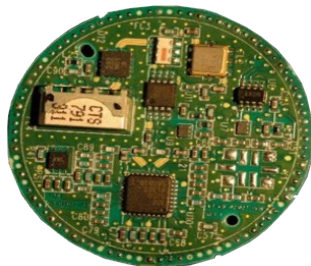
Radiation Hardened Solutions

- ASICs
- Interface Drivers
- Logic Clocks
- Memory
- Microcontrollers
- Microprocessors
- Power Management



Data Links

- Software Defined
- Telemetry
- High Power Transmit
- High Power Limiting
- Gun Hardened



CAES has a 60+ year legacy in missile and guided projectile applications and has shipped more than 250,000 critical subsystems across dozens of missile platforms. CAES advanced munitions technology supports complex weapon guidance, navigation, control, target detection/fuzing and actuation in the harshest of environments from ballistic high shock (>100,000g) to space-based, radiation-hardened subsystems.

Our experience extends to hypersonic weapons and hypervelocity projectiles and is refined by continuous technology and intellectual property investments to meet the needs of our customers and warfighters.