

CAES PIONEERING
ADVANCED
ELECTRONICS

Electromagnetic Spectrum Solutions for the world's most critical **EW Missions**



CAES Redefines the Digital Battlefield with Advanced Electronic Warfare Solutions



Fusing Electronic Warfare (EW) products with today's advanced technology and decades of engineering, production, and sustainment experience, CAES enables customers to fully exploit the electromagnetic spectrum. Our custom EW design services span prototype to production, while CAES technology building blocks feature a wide range of antennas and RF and microwave components, modules and subsystems – all of which are intelligently adaptable to respond to any threat.

Our high-power solutions provide the latest in communications jamming capabilities, exceeding anything that even commercial-grade 5G systems can handle. Our wideband mastery gives customers access to more of the microwave and millimeter-wave frequency spectrum that they require to detect and deter enemy attacks.

CAES works as a trusted partner with prime system integrators to ensure that our technology development roadmaps are in alignment; that our products integrate well for optimum performance; and deploy modeling and simulation tools for design optimization and development speed. From high frequency through millimeter wave, operating across the land, sea, air and space domains, our products and services address any electronic warfare need.

Electronic Attack

CAES offers a variety of components, modules and subsystems for electronic attack systems including a range of pod-based, solid-state and travelling-wave tube transmitters, amplifiers, antennas, power supplies, controls and cooling subsystems that together deliver wide operating bandwidth, high output power and reliability.

Electronic Protection

CAES Electronic Protection solutions include spread spectrum technologies, radio emissions control (EMCON) and low observability stealth technology. CAES Electronic Warfare Self Protection (EWSP) products and services offer a suite of countermeasure solutions to protect land, sea and air platforms from weapons fire. Our EWSP products and services include an extensive suite of Radar warning receivers (RWR) fitted to fixed- and rotary-wing aircraft.

Electronic Warfare Support and Electronic Surveillance

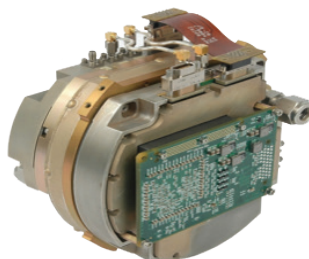
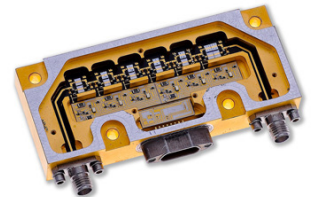
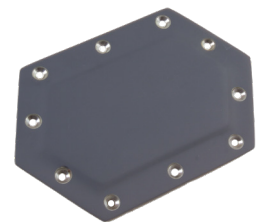
CAES Electronic Warfare Support products and services provide operational commanders the ability to search for, identify, locate and intercept localized sources of radiated electromagnetic energy. Our Electronic Surveillance products and services enable immediate threat recognition, targeting and other tactical actions such as threat avoidance and homing. Our products are also used for Signals Intelligence (SIGINT) to analyze intercepted frequencies and identify traits such as frequency, bandwidth, modulation and polarization.





Key CAES EW Capabilities:

- Air, land and sea
- High performance, multi-channel solutions covering narrow and wideband frequencies up through W-Band
- Commercial, civil and military applications
- Frequency converters, T/R modules, power amplifiers, preselectors, switch filter banks & processing
- Modular Open Systems Approach (MOSA) – Sensor Open Systems Architecture (SOSA™) aligned
- Prototypes to production
- A variety of size and packaging options – custom and standard form-factors
- High power for longer range and greater standoff
- Excellence in contested environments
- Digital factory delivering automation, speed, and affordability
- Software defined architecture for interoperability driving multi-mission success
- Innovative thermal management for success in severe environments



By accessing the industry's most advanced and disruptive technologies, CAES customers are able to outpace their adversaries using the electromagnetic spectrum and directed energy.



We engineer
solutions for
the world's
most critical
missions.