

CAEW

Conformal Airborne Early Warning & Control System

ELW-2085



Where Courage Meets Technology

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The CAEW aircraft pioneered the current worldwide trend of using high performance fuel-efficient business jets for Airborne Early Warning and Control (AEW&C) solutions. Installed on the fuel-efficient Gulfstream 550 business jet, the CAEW is equipped with the latest generation of AESA Radar using GaN technology integrated with other advanced sensors and intelligence systems.

CAEW, with its integrated AEW&C Sensor Suite, offers exceptional air defense and air battle management, with accurate and reliable high-altitude long-range continuous 360° surveillance of all airborne and maritime threats. The unique low drag conformal installation with all the sensors on board enables superior aircraft performance. Always ready for missions with a turnaround of under one hour, the aircraft can reach a flight altitude of 41,000 feet within 20 minutes.

Missions

- Long Range Air & Maritime Surveillance
- Electronic Order of Battle Generation
- Air Defense Command & Control
- Network Centric Warfare Operations
- Communication Node



Radar/IFF

Dual Band: (L/S-Band)
Advanced ECCM
Low False Alarm Rate
Dynamic Resource Allocation

Fully NATO Compatible

Communications

Multi-band Radios: V/UHF, HF,
LVHF Data Link: SATCOM, LOS
and Tactical Data Links

ESM/ELINT

High Probability of Intercept
(HPOI) and high bearing accuracy

SPS

Missile Approach Warning
Systems (MAWS) & Radar
Warning Receiver (RWR)

C⁴I

Accurate and reliable
Recognized Air & Maritime
Picture (RAMP)

Mission Support Systems

- Planning Station
- Post-mission Debriefing System
- Mission Simulator for Operators (off-line) Training