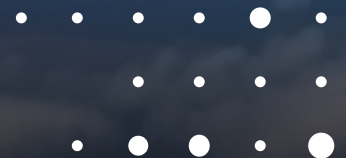




CAEW

Conformal Airborne
Early Warning & Control System
ELW-2085



CAEW



GENERAL

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

FULLY NATO COMPATIBLE

RADAR/IFF

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

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) Trainin

