

## **NEXT-GENERATION AIRBORNE EARLY WARNING AND CONTROL (AEW&C) PLATFORM**

**As a trusted disruptor, L3Harris has delivered 51 modified business jets worldwide with another 26 on order – more than any other defense contractor**

In partnership with IAI/Elta and Bombardier, our Conformal AEW&C configuration flies higher, faster and longer than existing AEW&C aircraft at significantly lower cost. With true 360-degree coverage our survivable next generation aircraft dominates current and future aerial threats.

### **AEW&C TEAM**

The AEW&C Team has delivered a number of Conformal Airborne Early Warning (CAEW) aircraft, as well as multiple special mission, maritime surveillance and intelligence, surveillance and reconnaissance (ISR) aircraft over the past 20 years. This includes the Italian Air Force CAEW aircraft operating in a battle zone for NATO missions since 2017. It also includes the Israeli Air Force CAEW aircraft, both of which have maintained mission availability rates over 95%.

This multi-year development, investment, integration and testing process ensures that the Next-Gen AEW&C program will be low risk, low cost and delivered on time.

L3Harris engages local national industry partners for involvement in the design, integration, certification and testing. These partnerships ensure the customer will not have to wait on foreign assistance to maintain the system when operational.

### **PERFORMANCE**

- > Since 2017, Italy's CAEW aircraft, fielded by IAI/ELTA, has exceptional operational availability and the fleet will be doubled by 2027.
- > Italian CAEW operational availability numbers are unmatched by any existing AEW platform with a 97% operational availability rate and more than 35,000 flight hours logged worldwide.
- > The aircraft flies at 37,000 feet above the majority of civil aviation traffic.
- > The U.S. Army ARES, hosted on a Bombardier Global-series aircraft, has operated with high tempo for more than a year in support of U.S. Army Pacific Command with an operational availability greater than 95%.
- > L3Harris' recent schedule performance leads the industry with 98% on-time delivery rate of ISR aircraft, with 185 of 188 delivered on or ahead of schedule.

### **System Capabilities and Compliance:**

- > An airborne solution fully compliant to national AEW requirements, including uncompromised continuous 360-degree air surveillance coverage
- > An existing combat-proven, high-performance solution with no compromise to aircraft performance
- > Designed to meet current and future advanced threats

### **Operational Advantages:**

- > Reduced time to operating area
- > Increased mission altitude and survivability
- > Range extension from high-altitude operation
- > Interoperability with NATO and allied forces
- > Designed to meet current and future advanced threats

### **Support and Readiness:**

- > Modern and sustainable aircraft and mission systems for high mission availability
- > A highly experienced team in the design and manufacture of complex special mission aircraft
- > A high Technology Readiness Level (TRL) solution that will achieve the critical delivery schedule for operational capability
- > Low-cost aircraft and mission system maintenance fully supported by local industry and national air forces



## EXPERIENCE

The team combines the exceptional special mission aircraft experience of L3Harris, IAI/ELTA and Bombardier.

L3Harris, as prime contractor, brings extensive experience as the leading special mission aircraft integrator of multiple international ISR programs on large-class business jets. Notable programs include the U.S. Air Force's EA-37B Compass Call Cross Deck program, the U.S. Army's Airborne Reconnaissance and Electronic Warfare (ARES) program, the U.S. Army's Theater-Level, High-Altitude Expeditionary Next Airborne ISR-Radar (ATHENA-R) program and an international Dassault Falcon 2000 maritime ISR program.

IAI/ELTA is supplying its advanced fifth-generation conformal dual-band Gallium Nitride AESA radar, which is integrated with its Battle Management Command and Control system, a solution that is currently operational in Asia, Europe and the Middle East.

Bombardier Defense's Global 6500 aircraft has already proven itself as a highly

reliable civil and military platform with an exceptionally low per-flight hour operating cost.

This solution leverages the existing and sophisticated CAEW system delivered by IAI/ELTA and is currently in operation for NATO by the Italian Air Force supporting operations in Ukraine.

## IN-COUNTRY PARTNERSHIPS

L3Harris encourages local production using an existing in-country local industrial base. This arrangement can potentially grow a new AEW&C aircraft solution that is made, operated and maintained by sovereign industry, should this be a requirement.

The technology transfer involved in these partnerships can potentially support higher aircraft readiness rates with improved mission and aircraft availability and lower operational costs.

Local industry can participate in all phases of integration which can allow for direct transfer of the knowledge required to complete follow-on maintenance and upgrades of aircraft and systems in the

customer's nation. Local industry can also be engaged in the development of Performance-Based Logistics (PBL) planning and execution to improve overall fleet availability or L3Harris can provide PBL based on customer preference.

These partnerships can help decrease the time often spent waiting for foreign assistance to repair, maintain or modify the missionized platform, thereby increasing customer control of logistics pipelines and subsequent mission readiness.

## IN SUMMARY

The result is a highly capable and flexible AEW&C system fielded on an FAA-certified platform, with the low-cost, high-operational availability and high-sustainment benefits of an advanced business jet.

The unique, low-drag conformal configuration enables exceptional platform and radar performance, while the mission suite will allow the Global 6500 AEW&C to perform a variety of missions, including lower life cycle costs for large-scale air force command and control operations.



## AEWC

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