

# ERIEYE

## SAAB 2000 AEW&C SYSTEM



In an ongoing operation, every second is vital in order to gain information superiority. Decisions and actions based on real-time information are crucial and demand systems that offer high situation awareness. The Saab 2000 Erieye AEW&C system provides Airborne Early Warning & Control and the rapid performance required to make the right decisions. It is a true force multiplier that will facilitate the optimisation of your operations.

Erieye is a complete AEW&C system with multi-role and multi-mission capabilities for both military and civil needs. It gives you the power of a national asset to reinforce territorial integrity and national security.

### **PROVEN AND CONTINUOUSLY DEVELOPED**

It is a proven system, operational since 1996. As the first modern AESA compact AEW&C system, it has constantly evolved through spiral development to be in the top of its segment.

### **DYNAMIC DETECTION**

Flying at high altitude, Erieye covers a much wider area than a conventional ground-based sensor system does. The effective surveillance area is over 500,000 sq. km horizontally and over 60,000 ft. vertically. Sea coverage is only limited by the horizon and everything from fighter aircraft, hovering helicopters, cruise missiles and Jet Ski-sized sea targets can be detected and tracked.

The system delivers a reliable flow of precise information, irrespective of atmospheric and clutter conditions.

### **COMPACT AND COST-EFFECTIVE**

The lightweight design makes Erieye ideal for integration on medium-size commuter-type aircraft, like the Saab 2000 turbo prop. A solution that benefits from high availability, low operational costs and a small organisational footprint.

### **FLEXIBILITY THROUGH TECHNOLOGY**

The radar is based on Active Electronically Scanned Array (AESA) technology, enabling the radar energy to be adjusted according to the situation – it can be used over an extensive area or concentrated within a smaller prioritised area. The radar detects and tracks objects quickly with high precision and a high update rate. S-band technology ensures top performance in all weather conditions.



# SYSTEM OVERVIEW



## ERIEYE SYSTEM CAPABILITIES

Erieye is a complete AEW&C system that provides capabilities for both military and civilian needs.

- Air Surveillance
- Sea Surveillance
- Intelligence
- Command & Control

### MULTI-MISSION CAPABILITY

Typical mission-types include:

- Air and Sea surveillance including Intelligence
- Airborne Early Warning
- Control of own assets
- Surveillance and control of national borders, assets and economic zones
- Search and Rescue
- Alert warning
- Air policing

The extensive COM suite secures communication with participating assets and other control centres, on the ground or in the air.

### PLANNING AND DEBRIEFING CAPABILITY

An extensive system for planning, evaluation and debriefing of missions.

### MISSION TRAINING CAPABILITY

A complete training system where all types of intercrew procedures are practised.

### INTEGRATED LOGISTICS SUPPORT CAPABILITIES

Saab can offer complete ILS solutions tailored to precise customers needs.

### SAAB 2000 ERIEYE AEW&C

#### KEY PERFORMANCE DATA

Max endurance .....	> 9.5 hours
Max range .....	> 2,000 NM
Time to climb 25,000 ft* .....	15 mins
Cruise speed .....	340 knots (TAS)
Patrol speed .....	160 knots (IAS)
Take-off distance .....	1,400 m
Service ceiling .....	30,000 ft