SAAB 2000 **ERIEYE AEW&C**

The ERIEYE AEW&C is the world's only operational airborne Active Electronically Scanned Array (AESA) radar in service today. The Saab 2000 ERIEYE AEW&C utilises the latest generation ERIEYE radar, now capable of detecting small air targets, hovering helicopters, cruise missiles and small sea targets such as inflatable rubber boats, for a more complete surveillance picture.

FEATURES:

- ERIEYE latest generation radar and systems
- Enhanced maritime modes
- ERIEYE Mission System
- Electronic Support Measures (ESM)
- Self Protection System (SPS)
- SATCOM and data link solutions
- Automatic Identification System (AIS)
- Platform commonality with other members of the Saab airborne surveillance family

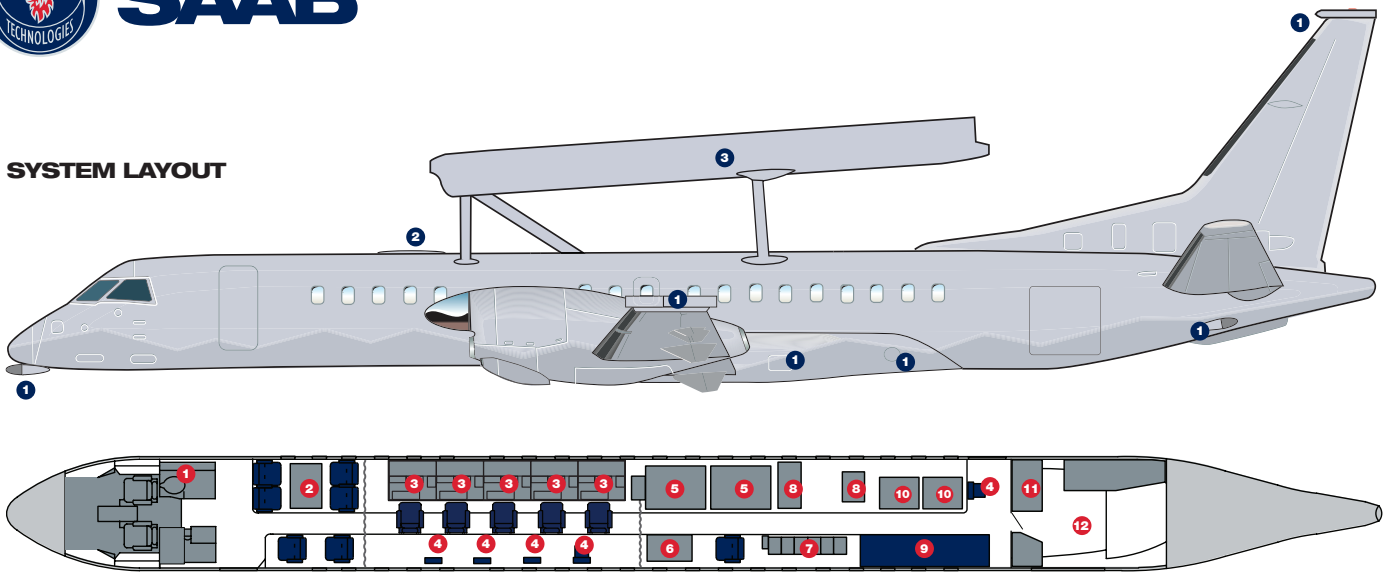
APPLICATIONS:

- AEW&C
- National security missions
- Border control
- Airborne C2 platform
- Disaster management co-ordination
- Major event security
- Emergency Air Traffic Control (ATC)

RADAR SYSTEM PERFORMANCE:

- Active Phased Array Pulse Doppler multi-mode radar
- 450 km range and above 20 km (65,000 ft) altitude coverage
- Effective surveillance area of 500,000 sq km
- Capable of combined air and sea surveillance
- Automatic tracking of priority air targets
- Identification Friend or Foe (IFF) system

SYSTEM LAYOUT



EXTERNAL:

1. SPS
2. SATCOM and data links solutions
3. ERIEYE radar

INTERNAL:

1. Lavatory
2. Rest area
3. Mission operator console
4. Folding seat
5. Auxiliary fuel tank
6. Electronic Warfare (EW) equipment
7. ERIEYE power units
8. ERIEYE equipment
9. Crew bunks
10. Communications rack
11. Galley
12. Cargo

ELECTRONIC SUPPORT MEASURES:

- 360º azimuth coverage
- High sensitivity
- Wide band
- High accuracy
- Radar warning
- SPS control/management
- Radar Warning Receiver (RWR), chaff and flares
- SPS also features optional Missile Approach Warning (MAW) and Laser Warning System (LWS)

SECURE COMMUNICATION:

- Secure data links
- Secure voice communication

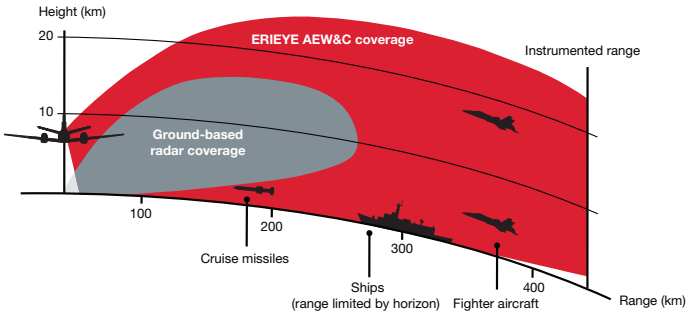
MISSION OPERATOR CONSOLES:

- Main functions: system and sensor management, mission planning and simulation, track data processing, asset management and control, identification and allocation
- Display system: high-resolution flat-panel colour displays and touch input display control
- Geographical info: digital map
- Application software: high-level language

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)
Takeoff distance	1,400 m
Service ceiling	30,000 ft

*Radar operational three mins after takeoff and during climb



Mission assumptions:
ISA standard atmosphere, sea level airfield, nil wind.

Note:
Actual performance depends on specific operational empty weight.

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