# Aerial Situational Awareness System

## End to End, Multi Sensor, Scalable C$^4$I Solutions



Advanced C4I solutions, allowing the integration of multiple sensors and data sources to create one, comprehensive and accurate aerial awareness picture have become a national priority in today's advanced and complicated battlefield, and more specifically in the aerial arena.

Elbit Systems' Aerial Situational Awareness System (ASAS) provides a real-time, multi-sensor, accurate aerial picture. Combining external data layers (such as ground & naval battle picture), intelligence data and decision making tools - the system has the ability to handle a large range of threats and aerial management operational tasks.

Our system provides an end-to-end (software / hardware / construction) C4I solution, suitable for:
· Air Defense Missions
· Air Traffic Control (ATC) missions
· Ground Control Interception (GCI)
· Aerial Situational Awareness Picture (ASP)
· Integrating aerial picture with other aerial and ground Command & Control systems
· Search & Rescue (SAR) missions
· GCI/ATC and air defense training and simulation

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## Operational Advantages

### Key Features:

• End-to-end solution (software, hardware, construction)
• Cutting edge, ergonomic, operator working station
• Integrated VOIP solution
• Full Command & Control interconnected array of C$^2$/C$^3$/C$^4$ sites
• Single, comprehensive and accurate aerial picture
• Supports any sensor integration
• Growth potential for future requirements
• Easy customization per customer needs

### Multi-Mission Work Station:

• Flexibility – identical workstations, each can be used for any of the supported missions
• Personalized presets – saved display settings for specific missions

### Tools and Modules:

• Multi-maps support
• Interception tools
• Navigation planning and mapping tools
• Alerting capabilities: anti-collision, restricted flight zone, emergency codes
• Auxiliary data module (weather, standby personnel, standby planes and qualifications)
• Debriefing and playback
• Reporting and statistical tools

## Technical Features

### Supported Sensors and Data Sources:

• Western & Eastern origin radars, aircraft and anti-aircraft batteries
• IFF/ADS-B/AIS
• Any ASTERIX or other ICD based data source

### System Capabilities:

• Various data sources
• Supports large quantity of aircraft on display
• Large amount of C$^2$/C$^3$ systems interconnected in the network
• Support various data protocols
• Inter-site & On-site application and communication redundancy
• COTS elements for easy maintenanc



C$^4$I center layout example



Elbit Systems' C$^4$I operational working station

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