

SW ADCCS

**Air Defense Command & Control System
– an integrated, real-time, multi-level data
fusion system delivering clarity and confidence
in managing complex aerial threats.**

Expanding Your Aerial
Defense Advantage

Core Capabilities of ADCCS for Modern Threats

ADCCS excels in generating a real-time operational picture by fusing data from diverse sensors, including radars, EW systems, EO/IR, acoustics, IFF, and SIGINT. It addresses key challenges such as information overload, operational inefficiency, and compatibility gaps through advanced tracking, classification, and threat assessment models.

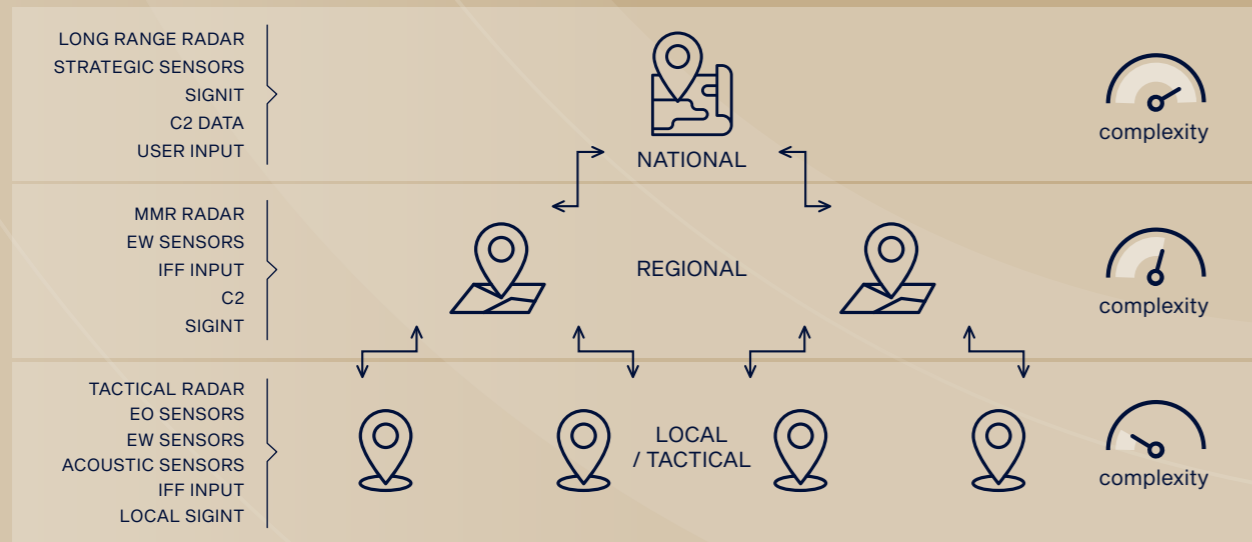
Main benefits include

- Accurate tracking for air-breathing targets (ABT), TBMs, and counter-UAV operations.
- Optimized resource allocation, battle management, and early warning.

- Scalable support for tactical C2 (ground/naval air defense), national C2, air traffic management, and counter-UAS systems.
- Superior performance under ultra-high noise, identifying low-altitude and maneuvering targets while reducing false detections and duplicate tracks.
- Seamless Link 16 integration for enhanced situational awareness and communication.

ADCCS enables adaptive implementation with fast operational readiness and compatibility with legacy and new-generation sensors.

AIR SITUATION PICTURE



MAIN BENEFITS

- Minimizes Duplicate Tracks
- Reduces False Detections
- Accurately Identifies Low-altitude and Maneuvering Targets
- Performs Under Ultra High Noise Conditions
- Single technology for multi levels
- Optimized operation of different sensors
- Real-Time Feedback
- Advanced decision support

Tailored Applications and Next Steps

ADCCS is optimized for countering tactical ballistic missiles (TBMs) with precise identification, real-time impact prediction, and interceptor designation. For counter-UAS, it handles low-flying, low-RCS objects amid saturated traffic and electronic countermeasures. It also supports early warning dissemination to public and military channels, ensuring timely alerts.

Proven in real-world combat, ADCCS performs across local, tactical, regional, and national levels, making it ideal for air forces, home front commands, and integrated defense networks. Contact us to explore how this solution can strengthen your operations.



OPTIMIZED FOR ROCKET AND MISSILE SENSORS

- Legacy and new generation
- High processing times
- Large area coverage



ACCURATE THREAT IDENTIFICATION

- Ballistic, maneuvering, and guided missiles
- Determines specific missile models for targeted responses



REAL-TIME IMPACT PREDICTION

- Predicts missile impact point with the highest precision
- Optimized for both Long and short-range missiles and rockets

- Detection
- Identification
- Tracking
- Calculate Current Path
- Threats Evaluation
- Hit Prediction
- Alerting
- SAM / AAM Allocation
- SAM / AAM Guidance
- Interception
- Kill Assessment
- Mission Planning
- Mission Control



Next-Gen Counter-UAS Systems

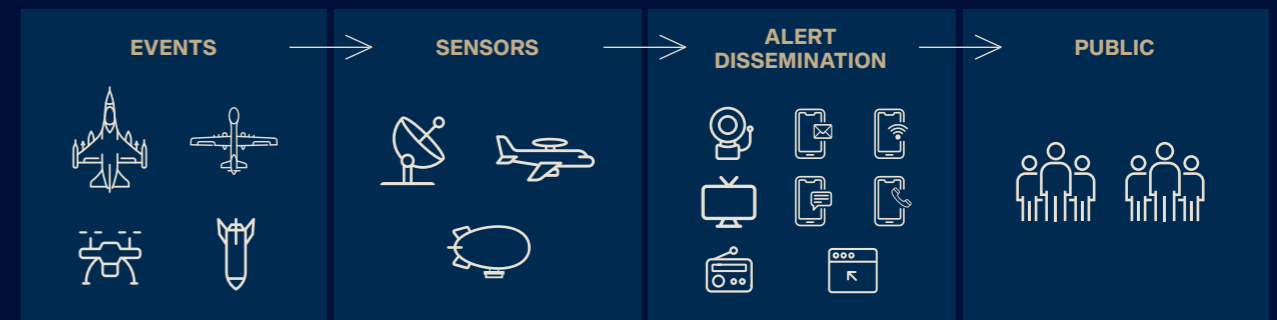
OPTIMIZED FOR UAS SENSORS

- Low-flying and slow-moving objects
- Low radar signature (RCS)
- Electronic countermeasures (ECM)

SUPERIOR PERFORMANCE IN COMPLEX ENVIRONMENTS

- Saturated air traffic
- GPS spoofing
- Maneuvering UAS

EARLY WARNING



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