



Expeditionary Area Air Defense



Configurable Short Range Air Defense Solutions

SNC hybridizes Commercial & DoD technologies to generate and deliver Expeditionary Area Air Defense (EAAD) capabilities at speed and at scale. EAAD Jailbreaks otherwise inaccessible, isolated architectural interfaces into Open Architecture technologies and integrates them into a "system-of-systems" architecture. Expanding access to best-of-breed technologies accelerates the ability to fill critical capability gaps in air defense through fully-integrated, user-defined solutions from point defense to fully integrated air defense systems.

The SNC Expeditionary Area Air Defense (EAAD) system is sensor-agnostic, effector-agnostic, and architected for rapid integration of US, Allied, and Partner Nation capabilities. Our approach enables connectivity across legacy mobile Air Defense systems and Theatre-level Command & Control interfaces.

The future of EAAD is what you make it.

Tiered Open-Architecture Defense

Designed to connect legacy mobile Air Defense Systems to Theater C2, SNC's configurable SHORAD (Short Range Air Defense) solutions augment existing Integrated Air Defense System coverage with COTS (Commercial Off-The-Shelf) sensors. While existing air defense capabilities are limited by available communications nodes and networks that are not integrated wholistically, SNC's integrated family system-of-systems open architecture design fulfills immediate SHORAD requirements.

DATA EXCHANGE

- Existing theater wide-area Air Defense sensors detect and publish tracks to Theater Air Defense Network
- Integrated radar and passive IR search sensors extend theater coverage and publish tracks through SNC TRAX.
- Communications Nodes exchange track data between ASTERIX and the SNC mesh network
- SNC AD software correlates sensor track data for awareness of overall theater air picture
- Modular fire control system provides digital control of legacy effector signals

Agnostic Effectors architected for US & Partner Nation kinetic and non-kinetic solutions

Early Warning & Target Acquisition
mobile sensors

Open Architecture Network and Comms
Solutions: Mesh Network, SATCOM, Ethernet

Plug & Play with Military-Grade Sensor
Solutions: Passive EO/IR, Pasive ESM,
Active RF

High TRL (7-9), COTs hardware and
software solutions



Digital Integration of Legacy Systems into SNC TRAX

COMMS KIT

Lightweight, durable and mission capable to support continuous and reliable communication to remote operations. Provides the ability to share data and battlefield intelligence across a radio network, packaged in a small form factor deployable kit.



C3 VAN

Highly configurable and tailorable mission command and control platform networked into the EAAD systems' open architecture and contains all required tactical data links for higher echelon integration.



COMMS TOWER

Easily deployable with the flexibility to support multiple radios, data links, and sensors to support a wide range of missions and enable continuous communications to remote operating locations.



12500 E. Belford Ave | Englewood, CO 80112
303.795.0604 | ias@sncorp.com | sncorp.com

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