

ONE FOR ALL

TEXTRON Systems



SKY WARRIOR



HUNTER



FIRE SCOUT



AAI AEROSONDE®



AAI SHADOW®



The One System®

AAI's One System Ground Control Station is military aviation's premier interoperability network center for multiple unmanned aircraft systems.



THE ONE SYSTEM® GROUND CONTROL STATION

The advanced, state-of-the-art One System is military aviation's foremost ground control station for operating multiple unmanned aircraft systems over battlefield and operations areas and disseminating the valuable intelligence data and imagery collected.

Designed by AAI as the core of the Army's Shadow® Tactical Unmanned Aircraft System, the One System ground control station is expanding to other unmanned systems, including the Army's Sky Warrior system.

Protected in a climate-controlled, standard-sized Army shelter, the One System receives and disseminates battlefield video through state-of-the-art aircraft operator and mission payload operator terminals and mission planning consoles.

In addition, the One System design complies with the emerging NATO STANAG 4586, supporting operations of a variety of allied and U.S. unmanned aircraft and greatly enhancing interoperability among international military forces.



Shadow TUAS



AAI's One System is a soldier friendly common ground control station that provides value and cost efficiencies while delivering an unmatched interoperability network for situational awareness and intelligence-gathering benefits. In service with the U.S. Army and Marine Corps, One System has logged more than 370,000 hours of operation, warfighter support, and training capabilities, proving its durability and reliability in the harsh battlefield environment in Iraq and Afghanistan.

FEATURES

- Common Systems Integration (CSI)
- Various air vehicle C2
- Modular software
- COTS-based
- Redundant hardware
- Embedded training
- Joint variable message format/NATO format compatible
- Searchable digital archive and retrieval system

Air Vehicle Operator (AVO) Display

- Flight and situational awareness
- Full mission and payload planning
- Integrated auto-launch and auto-landing
- Electronic pre-flight and vehicle status monitoring

Mission Payload Operator (MPO) Display

- Autosearch, point-at-coordinates, rate/position, and autotrack
- Automated marking of searched areas
- Integration into any C4I system
- Artillery adjust fire feature

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