

LAND-BASED ISR SERVICES

TEXTRON Systems



Redefining Expeditionary

- AAI's Aerosonde® Unmanned Aircraft System (UAS) requires two HMMWVs and one U.S. Department of Defense standard High Mobility Trailer for quick initial worldwide system and crew deployment.
- The Expeditionary Ground Control Station (EGCS) has an open architecture, On-the-Move Command and Control capability, and UHF-, L-, S- and C-band availability.
- AAI's UAS intelligence, surveillance and reconnaissance (ISR) services in theater earned the 2010 U.S. Secretary of Defense Performance Based Logistics Award for system-level support and Letterkenny Army Depot's 2011 Production Partner of the Year Award.
- The Aerosonde system is interoperable with AAI's Universal Ground Control Station, Shadow® Tactical Unmanned Aircraft System (TUAS) launcher and One System® Remote Video Terminal, or OSRVT.



YOUR NEW FORWARD OBSERVER



AAI offers:

- Common UAS ISR solutions for the U.S. Navy, Army, Marine Corps, Air Force and Special Operations Command
- Record-setting logistics in theater and unprecedented system availability

AAI's Aerosonde UAS offers:

- A small footprint ideally suited to tactical operations
- Easy transport via a single C-130
- A superior day-and-night, combined ISR payload

With decades of experience designing, manufacturing, fielding and supporting UAS, AAI delivers ISR services for both land and sea operations. AAI's Aerosonde UAS is an expeditionary solution offering common ISR services that satisfy Navy, Army, Marine Corps and Special Operations Command requirements.

AAI has demonstrated experience supporting tactical operations within multiple theaters. Our government-owned, contractor-operated teams have achieved award-winning records for their tactical UAS operations. Additionally, AAI's performance based logistics program has maintained deployed TUAS with an average demonstrated system availability of more than 95 percent during more than 700,000 flight hours, the majority of which were combat field operations. Typical aviation platforms, manned or unmanned, operate at approximately 80-85 percent availability.

The Aerosonde small UAS redefines expeditionary. Its light weight, ease of transport and operational capability in tactical operations make the Aerosonde the most affordable and flexible choice for the UAS ISR services program.

Easily transported on the battlefield via a single C-130, the Aerosonde ground-based system can operate in austere terrains to provide persistent ISR for the warfighter. The Aerosonde aircraft also can augment a Marine Corps Unmanned Aerial Vehicle Squadron or Marine division and will support reconnaissance, forward observers or forward air control units with its ISR and communications relay payloads.



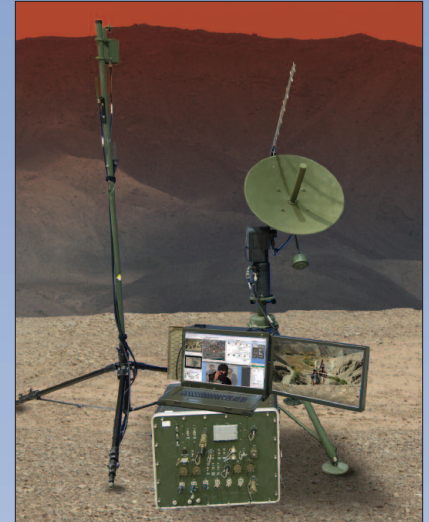
Entire Launch and Recovery Trailer (LRT) deployed in one HMT



LRT can be utilized in restricted field operations



EGCS deployed in an on-the-move command and control configuration



Specifications

Expeditionary ISR

- Aerosonde aircraft with heavy fuel engine
- Transportable via a single C-130

Professional UAS operators

- ISR product delivered on station and on time

Quality ISR product with a small footprint

- Combined day or night electro-optic/infrared capability in a single gimbal

Multi-service applications

- Land-based and shipboard operations
- 24/7 technical and field service support

Universal command and control

- On-the-move, hub and spoke operations
- Common solution for many aircraft

One-piece launch and recovery system

- Foundation based on combat-proven, mature Shadow TUAS launcher and updated for the Aerosonde system
- Single launch and recovery package
- Quick emplacement and displacement with small crew

For additional information, please contact:

AAI Unmanned Aircraft Systems
124 Industry Lane
Hunt Valley, MD 21030
800-655-2616
RSC_AAIReg@aai.textron.com