

UNIVERSAL CAPABILITIES FOR THE NEXT-GENERATION BATTLESPACE

TEXTRON Systems



AAI's Configurable Universal Ground Control Station (UGCS) Sets the Standard for Interoperability and Commonality

Covering all, operating everywhere, transforming to meet customer needs — that's universal. AAI Unmanned Aircraft Systems evolved its proven, U.S. Army program-of-record One System® Ground Control Station to create the UGCS for next-generation mission capability. The UGCS is designed to be a joint services solution, incorporating a flexible, scalable architecture to meet current and future U.S. Department of Defense and international requirements.



NEXT-GENERATION UAS COMMAND AND CONTROL – IT'S UNIVERSAL

AAI's One System Ground Control Station has been a workhorse for customers including the U.S. Army and Marine Corps, amassing hundreds of thousands of operational hours. Today, we've built on that success with our UGCS, offering leap-ahead interoperability, commonality and flexibility for today's evolving battlespace.

The Army's 2011 Manned Unmanned System Integration Capability, or MUSIC, exercise showcased the UGCS' ability to control AAI's Shadow® Tactical Unmanned Aircraft System (UAS), as well as General Atomics' Gray Eagle® and Northrop Grumman's Hunter unmanned aircraft systems. Making UAS history, a single UGCS seamlessly handed off control of each aircraft from one ground control station to another, demonstrating revolutionary improvements in battlefield communication and information sharing.



Universal Mission Performance

- Command and control, payload control, and weapons control capabilities
- Multiple-aircraft control
- Modular hardware and software
- Easily reprogrammed to control new aircraft, payloads and data links based on customer preference
- Compatible with the all-digital Tactical Common Data Link for increased bandwidth and data security



Universal Ease of Use

We've enhanced the user experience with greater comfort, ergonomics and efficiency.

- Web-based interfaces
- Improved climate control
- Easy-to-read displays
- Ergonomic crew stations
- Embedded training capability

Our UGCS is built upon a flexible crew station architecture that can be configured and housed based on customer needs. It also meets or exceeds established interoperability profiles, including NATO Standardization Agreement 4586 and Army interoperability standards. In addition, AAI continues to incorporate new features and capabilities in areas including service-oriented architecture, or SOA, multi-service commonality and multi-platform adaptability.

AAI Unmanned Aircraft Systems' UGCS – universally capable for the future force.



For additional information, please contact:

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