

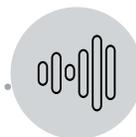


Ultra Command, Control and Intelligence systems

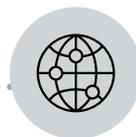
Redefining multi-domain C2I



C2I



Communications



Cyber



Specialist RF

Overview

Ultra Command, Control and Intelligence (C2I) systems assure comprehensive, multi-domain situational awareness. With more than 2,000 systems deployed worldwide and 30-plus years of experience supporting blue forces in every major conflict, Ultra's Air Defense Systems Integrator (ADSI®) is field-tested and battle-proven.



Battlespace Awareness powered by ADSI – the most trusted C2I solution in the world



Unparalleled performance

ADSI remains unmatched in its ability to deliver to joint-certified tactical data link forwarding software combined with an unparalleled number of tactical data link, radar and electronic intelligence interfaces. The ADSI system integrates land, sea and air domains to provide command and control of tactical units and reporting of real-time sensor information.



Advanced multi-domain situational awareness and interoperability

JADC2 will provide a cloud-like environment for the US DoD joint forces to share intelligence, surveillance, and reconnaissance data, transmitting across key communications networks, with the goal of enabling faster decision making. For such an advanced network to function efficiently, technical decisions need to be taken in seconds to prioritize scarce bandwidth where and when it is needed most. ADSI supports the JADC2 mission by providing certified tactical datalink forwarding and control.



Trusted, certified and proven

MOSA-compliant ADSI delivers seamlessly integrated, certified secure messaging for JADC2/ CJADC2 with wide support for MIL-standard tactical data link formats such as Link 16, Link 11, Link 22 and many more. ADSI provides battlespace awareness with full tracking and monitoring of up to 16,000 tracks and 32 simultaneous and tested data links. ADSI Certifications include: US Army - Central Technical Support Facility, Army Interoperability Testing and Certification (AIC); US Air Force - AFOTEC, Air Force System Interoperability Testing (AFSIT); US Navy - NIWC PAC, Navy TDL Certification; US Marine Corps - MCTSSA, TDL Certification; and Joint Interoperability Test Command (JITC).



Deployable virtually anywhere

Ultra has leveraged the latest software virtualization technology to dramatically reduce SWaP while making ADSI simpler to deploy and operate than ever before. All the proven functionality of ADSI is available in form factors down to 1U or less and can be deployed on any device that has a virtual machine installed.



Explore Ultra's Family of C2I Solutions



Air Defense Systems Integrator (ADSIS) – Ultra's Flagship C2I Solution

The Air Defense Systems Integrator is the most interoperable, real-time, tactical command and control system offered anywhere. With more than 2,000 ADSIS products installed worldwide, the combat-proven ADSIS remains unmatched in its ability to provide joint-certified tactical data link forwarding software combined with an unparalleled number of tactical data link, radar and electronic intelligence interfaces. For the last 30+ years the U.S. military has relied on the ADSIS during every major crisis. Today, it is used on aircraft carriers and command ships, in tactical and air operations centers, in airspace integration systems and in joint command centers around the world. The ADSIS supports critical missions by integrating land, air and sea domains, providing command and control of tactical units and reporting real-time sensor information across the battlespace.

Virtual ADSIS

The certified, combat-proven advanced tactical data link capabilities of the ADSIS software is now available on a Virtual Machine (VM), providing serial and Ethernet Link 16 and Link 11 communications in a secure networked environment. Implement ADSIS virtually anywhere, on any device that uses software virtualization.



Advanced Tactical Airborne System (ATAS)

ATAS includes the maturity and adaptability of Ultra's ADSIS, coupled with a flight-qualified COTS enclosure, or coupled with existing platform equipment. ATAS interfaces to the most common MIDS, JTIDS, JTRS, SATCOM, and small form factor airborne-capable Link 16 terminals for MIL-STD-3011A/C, Satellite TADIL J, MTC, and CoT. ATAS provides interfaces for Link 11, VMF, CMF, and SADL for connectivity with coalition forces.



Multi-Data Link Management System (MDLMS)

With a long history of supporting maritime customers that require rapid technology insertion, STANAG/MIL-STD compliance and assured interoperability, Ultra's MDLMS is a real-time tactical data link interoperability system capable of operating in a standalone or integrated maritime environment built on the ADSIS platform. Because MDLMS was designed specifically for the maritime environment, the system may be installed in a remote equipment room, while the real-time display may be placed in Combat Information Center (CIC), Tactical Flag Command Center (TFCC), the bridge, or other locations.

MDLMS supports multiple independent tactical displays that may be remotely located and connected via a standard Ethernet cable. This flexibility allows multiple users to access the real-time operational picture while in separate locations. Additionally, built-in diagnostic testing capability provides for configuration and troubleshooting of MDLMS circuit cards.



TacViewC2

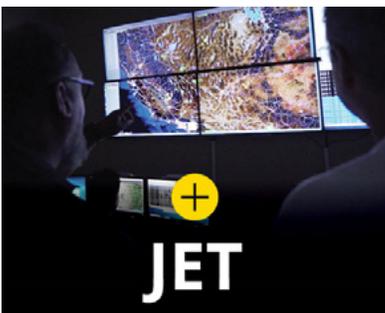
TacViewC2 is real-time, 3D tactical display software for use with ADSI. Designed for the most demanding real-world requirements, the TacViewC2 software provides unprecedented flexibility and customization. Using a highly optimized interface, the TacViewC2 software displays thousands of tracks at a time with the real-time responsiveness needed to visualize the battlefield. Terrain and satellite imagery may be imported to provide a realistic and detailed view of the operational area. The TacViewC2 software includes vector and raster maps and a terrain database encompassing the globe.



Advanced Correlation & Tracking System (ACTS™)

Ultra understands that reliable and synchronized management of information on the battlefield is mission critical. That is why ACTS combines ease-of-use, seamless sensor integration and high-performance real-time tracking in a single solution. The ACTS open architecture provides a wide variety of sensor interfaces and can easily be customized in the field to meet customer needs. Combined with a data link processor, this robust solution receives, forwards and displays tactical information from multiple inputs.

The ACTS solution is capable of handling track data for up to 16,000 tracks in the most complex environments. It correlates tracks from multiple sensors into a Single Integrated Picture (SIP), resulting in unsurpassed track completeness, clarity and accuracy delivered in real time.



Joint Interface Control Cell (JICC) Extended Trainer (JET™)

JET is an integrated suite of training and simulation tools for training Joint Interface Control Officers (JICOs) and their teams, providing an avenue to not only train but also test, diagnose and rehearse real-time scenarios without interruption to ongoing operations. JET is the only complete tactical data link (TDL) JICO training package available.

The JET integrated product suite is a complete end-to-end solution, covering the entire breadth of the JICO's job, including Mission Planning, TDL execution, C2, link monitoring, MIDS terminal emulation and after-action review. JET training takes place on a live, virtual and constructive system that simulates the full scope of the JICO's operational TDL and C2 environment.



Situational Awareness Management Software (SAMS)

With over 25 years of operational validation, Ultra's experience in surveillance system design, sensor integration, track correlation and data fusion, sensor data management and C2 environments combine to deliver a real-time Common Operating Picture (COP) for the maritime domain and ensures we are able to meet the challenges of complex integration requirements. Ultra's modular, scalable, open system designs allow for small systems to be expanded easily or for multiple, geographically separated sites to be integrated into larger, regional or national systems. The use of high reliability & availability hardware and commercial-of-the-shelf (COTS) systems when appropriate, ensures the cost effectiveness of the solutions provided.

Applications include Maritime Sovereignty, protecting CNI, Disaster Response Management, Environmental Protection Monitoring, Mobile Asset Management, Emergency Coordination and reduced training and support costs.



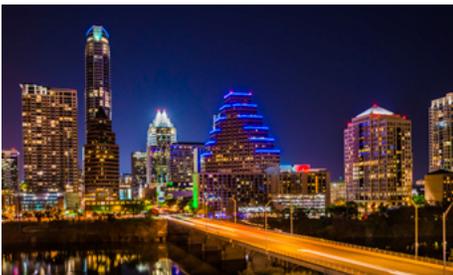
+

Redefining All Domain C2I – Now and Into the Future

While ADSI has more than 30 years of continuous service under its belt, virtualization and the small SWaP it allows opens the door to next-generation technology. Virtual ADSI is lightweight and intuitive enough to be deployed in a range of cutting-edge technologies. From tracking airborne assets in space to managing the flood of unmanned vehicles in densely-packed areas, ADSI provides the insight and decision-making speed required in high-pressure environments. When it comes to ADSI applications, the sky is the limit.

+

Ultra C2I Locations



Austin, Texas USA



San Diego, California USA



Burridge, Southampton UK

ULTRA | Intelligence & Communications