ULTRA Intelligence & Communications

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ADSI® is the premier Command and Control (C2) gateway for U.S. and allied forces, newly modernized for enhanced mission effectiveness and seamless interoperability. With the largest datalink library available, ADSI connects the global multi-domain battlefield, translating and sharing diverse communications protocols and coalition partner data sources. Deployed in over 35 countries with 12,500 installations across 2,500 sites, ADSI provides a unified, combined joint all-domain command and control (CJADC2) picture, prioritizing critical information through advanced data management and robust filtering capabilities. This results in the best common operating picture, enhancing situational awareness and enabling faster, more informed decision making from the tactical edge to global operations centers.

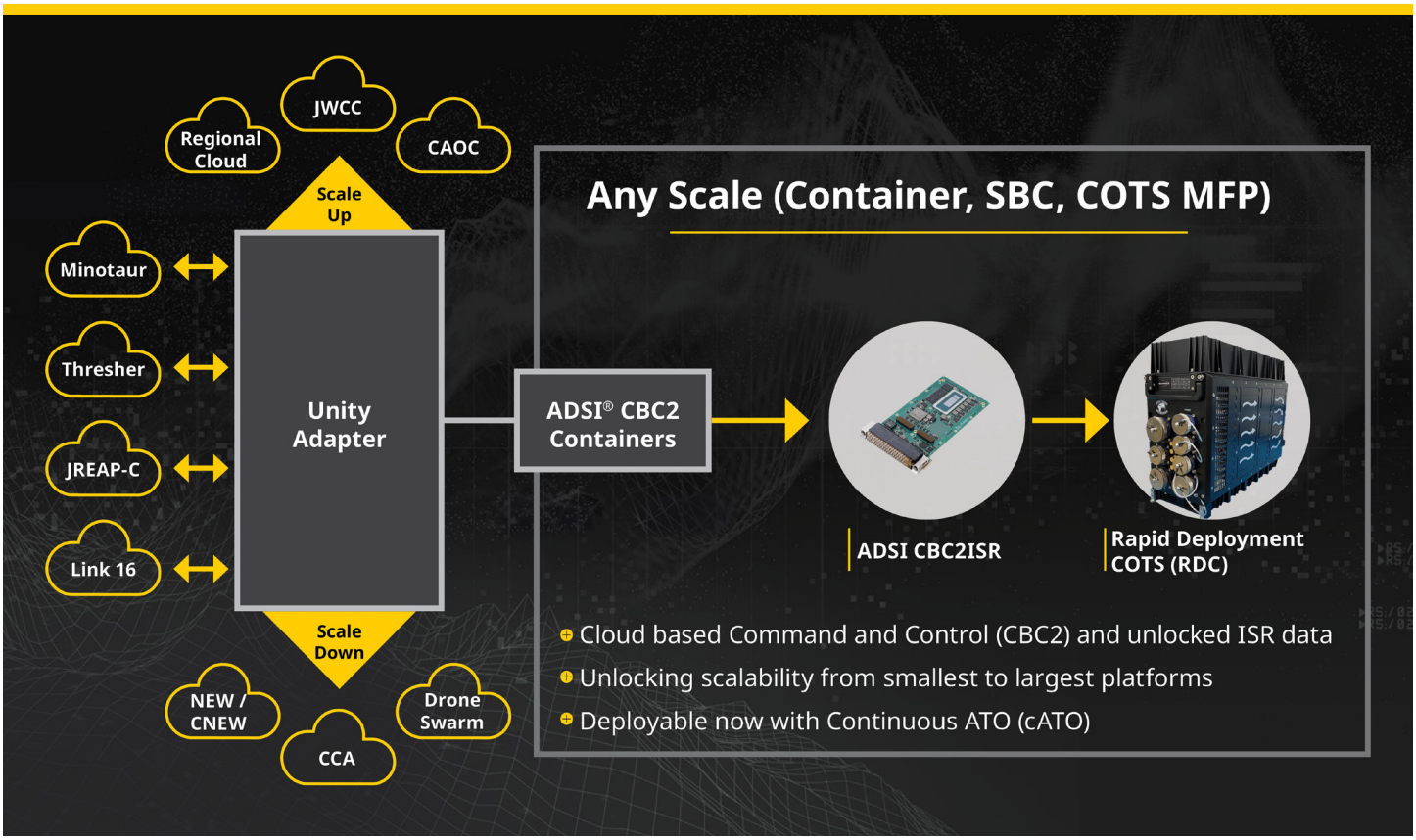
Designed for ease of integration and scalability, ADSI supports both large strategic operations centers and smaller tactical systems. Ultra I&C's new Unity Adapter facilitates seamless data integration, enabling the delivery of a cloud-based and on premise C2 and non-C2 containerized software application provisionable from a software factory to any environment. ADSI stands out in the CJADC2 field as a comprehensive solution for Interface Control Officer, original equipment manufacturer, and system integrator communities, addressing modern defense operations' critical challenges to achieve unparalleled cooperation among coalition partners.

Newly modernized for CJADC2

ADSI was specifically engineered to support Combined Joint All-Domain Command and Control (CJADC2) initiatives, enabling seamless coordination across concurrent, multi-theater support operations. ADSI is extensively scalable to over 200,000 concurrent, real-time tracks and supports over 100 data links. These robust capabilities provide comprehensive situational awareness and command and control across all domains, making ADSI an essential tool for modern combined and joint military operations.

Benefits

Largest datalink library	ADSI offers the most extensive datalink library on the market, ensuring unmatched interoperability and data sharing capabilities.
Field proven and widely deployed	With over 12,500 installations in over 35 countries, ADSI has demonstrated unparalleled reliability and use in diverse operations.
Cloud enabled and containerized architecture provide exceptional scale	Extensive scalability to over 200,000 concurrent, real-time tracks and supports over 100 data links.
Comprehensive integration	The Unity Adapter enables seamless integration across various systems, providing a unified C2 picture that is crucial for multi-domain operations.
Cloud and tactical edge flexibility	ADSI's containerized design allows deployment from the cloud to edge devices, including TAK devices, ensuring unparalleled flexibility across diverse operational environments.
Continuous Authority to Operate (cATO)	ADSI is the only C2 gateway with an active cATO, enabling customers to quickly deploy the system into operational environments and ensure it remains cyber secure.
Joint Interoperability Test Command (JITC) certified including digital air control	ADSI provides seamless interoperability and operational reliability across all services, ensuring trusted performance when it matters most.
Cost efficiency	ADSI offers tailored pricing to match customer funding, scale, and installation requirements, ensuring an optimal solution that meets diverse budgetary and operational needs.



Features

Network Enabled Weapons: J11.1 In-Flight Target Update (IFTU) and Object of Interest Third Party Source (OI-3PS)
Non-C2 roles enabling digital mission management, weapons assignment, and air control messages. Includes active link participation by unmanned systems
Certified digital air control
Open Mission Systems/Universal Command and Control Interface (OMS/UCI)
Supports advanced tactical datalink features across terminal families including: • Crypto modernization • Concurrent Multi-Netting-4 (CMN-4) • Frequency remapping • Enhanced throughput
Hosts MIDS LVT (including BU2), MIDS JTRS (including CMN-4), MIDS on Ship (MOS), MIDS TTNT, STT, TTR and BATS-D terminals
Upgraded TacViewC2™ 3D situational awareness display graphics engine, enhanced performance and usability
Universal Command and Control (UC2) protocol
Certified Variable Message Format (VMF) forwarding (MIL-STD-6020)
Cursor on Target (COT) (MIL-STD 6090)
Link 22 (MIL-STD-6022)
N-Series Host Interface
Updated MIL-STD-3011 to incorporate Revision D

Interoperability across largest data link and interface library

ADSI provides the market's most comprehensive library of tactical data links (TDL) and is fully interoperable with legacy data links and a range of system interfaces, delivering users unparalleled interoperability and enhanced data-sharing functionality.

Our TDL and interface library includes the following:		
Joint Tactical Information Distribution System (JTIDS) Class 2, 2M and 2H (shipboard, airborne and land-based)	Multifunctional Information Distribution System (MIDS) Low Volume Terminals (LVT) 1, 2, 3, 4, 6, 7, 11 (including BU2)	MIDS On Ship Modernized (MOS Mod)
MIDS Joint Tactical Radio System (JTRS) (including CMN-4)	Joint Range Extension Application Protocol (JREAP) MIL-STD 3011 A/B/C	Cursor on Target (CoT) MIL-STD-6090
Open Missions Systems / Universal Command and Control Interface (OMS/UCI)	Variable Message Format (VMF) MIL-STD-6017	Legacy Data Link 11 Hardware (e.g., USQ-125, MX-512P, USQ-130)
Serial Link 16 MIL-STD-6016	Satellite TADIL J (S-TADIL J) (WSC-3, PSC-5D, LST-5D, PRC-117F, ARC-210)	Legacy Ethernet (Multi-TADIL Display System [MTDS], Multi-TADIL Capability [MTC])
Situation Awareness Data Link (SADL)	Enhanced Position Location Reporting System (EPLRS)	Standard Interface for Multiple Platform Link Evaluation (SIMPLE) 11/16 ATDLP-6.02
Link 11 A/B MIL-STD-3011 A/B	Link 22 MIL-STD-6022	Interoperable Data Link (IDL)
Army Tactical Data Link (ATDL)-1 MIL-STD-6013	NATO Link 1 STANAG 5501	Taiwan Advanced Tactical Data Link System (TATDLS) and Link E
Forward Area Air Defense (FAAD) data link	Global Positioning System (GPS) (NMEA-0183, DAGR, PLGR)	Data Forwarding Between Tactical Data Links MIL-STD-6020
Common Message Format	Tactical Data Intercomputer Message Format (TDIMF)	US Message Text Format (USMTF) MIL-STD-6040
N-Series Host Interface		

Multiple radar formats and capabilities

ADSI accepts a wide range of radar and sensor inputs and combines tracks from multiple radars into a single integrated picture. Radar tracks are correlated with tactical data link tracks, providing a higher level of fidelity to represented data.

Key radar formats and sensor types include the following:						
Common Digitizer-2 (CD-2) (US) and CD2T (Thailand)	NATS (UK)	SDO-1000 (NATO)	ASTERIX	ECGP	SGF	FAA ARSR and ASR radars
TPS-59	TPS-75	TPS-77	FPS-117	LSTAR	Giraffe	100+ additional radars

Learn more: **ultra-ic.com/ADSI**

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ultra-ic.com | system.sales@ultra-ats.com

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