

# Multi Data Link Gateway

A building block in the center  
of Network Centric Operations



**SCYTALYS**  
Interoperability Systems

# Reliable and Proven Multi Data Link Gateway Engine

A real force multiplier that enhances Situational Awareness by generating and disseminating the Common Operational Picture and improving the management of all linked Tactical assets.

It is a versatile, modular and scalable, Multi Data Link Processor (DLP) that can be configured to include all NATO, U.S. Standard Data Links as well as customer-defined Links.

The Universal Link System (ULS) is a network-centric suite that enables seamless, configurable and expandable integration of Data Links on Naval, Ground and Airborne platforms, providing them participation and forwarding amongst Link 16, Link 22, Link 11A/B, J-REAP, Link 1, ATDL-1.

In addition, ULS incorporates SCYTALYS' A-link (Lambda Link) product which forms an ideal solution for a National / Customized Data Link implementation.

Based on SCYTALYS' large experience in Data Links implementations, A-Link was designed and developed with the objective to accommodate the growing needs of nations to develop their own National Data Link ensuring their sovereignty in this field, while maintaining the use of their existing standard Data Links.

ULS can be connected to multiple Hosts (C2 Centers / CMS / Aircraft Mission System / BMS) through a C2-DLP Data Link agnostic interface. Such tools and documentation significantly facilitate the integration, as well as future upgrades and maintenance requirements over time, thus reducing costs and risk.

SCYTALYS has successfully deployed a considerable number of ULS (150+) in a variety of configurations, in use by Armed Forces in many countries worldwide.



## PROVEN

150+ ULS installations in various configurations on Naval, Ground and Airborne assets. 10+ countries globally trust ULS and SCYTALYS.

## CUSTOMIZABLE

The ULS is fully customizable to include and integrate with National and non-standard Data Links, apart from the range of NATO and U.S. standard links.

## RELIABLE TURN-KEY SOLUTIONS

SCYTALYS develops and delivers a reliable turn-key operational, training and testing systems for Naval, Ground and Airborne Data Links applications, based on customer's specific needs and requirements.

## OPEN SYSTEM ARCHITECTURE

An open modular architecture with standard interface protocols ensures easy expansion to any type of Data Link, Sensors and C2 systems.

## AFFORDABLE

Affordable solution with many available features and capability to be upgraded according to future developments in CONOPS.

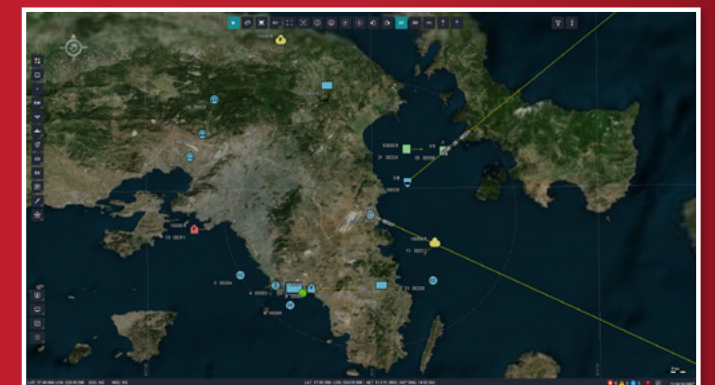
# Key Features

- **Connectivity** to any type of tactical host (C2, Weapons, etc.)
- **Advanced Multi-Link Data** forwarding capabilities among all NATO/ U.S. Standard Data Links with user-defined filters (Geographic, Altitude, Positional etc.)
- **Expandable** to incorporate customer-defined Data Links
- **Complete** and thorough message sets implementation for Link 16, Link 22, Link 11 A/B, Link 1.
- **Routing capabilities** between different RF media (HF, UHF/VHF, SATCOM) ensuring the connectivity in the network by combining the available communication means.
- **C2 Operational** capabilities, including Commands & Orders, Weapons Control & Status, ID/IFF Conflict, Pairing, Filtering Threat Evaluation etc.
- **Capable of integrating** and processing active and passive sensor inputs (ASTERIX, AIRCAT etc.)
- **Implementation** of the latest STANAG editions for the NATO Data Links
- **Multi-Link Correlation / De-correlation** processing
- **Robust and efficient** Data Extraction /Reduction functionality
- **Operates using COTS** hardware to meet the Customer's specific installation requirements.
- **Encryption** to customers' requirements
- **Stand-alone** or multi-console configurations with its own interface or integrated into any C2 / CMS / Mission System / BMS
- **Field transportable** configuration for high mobility small units



# User Interface

- Dual or single display Graphical C2 Tactical Situation
- Configurable Track Information Display
- Enhanced Maps and display filtering options with the capability of displaying maps in multiple formats
- Intuitive dialogue -driven action initiation
- Comprehensive Menu sets for Managing Data Links and executing C2 functions
- Web interface to control the Data Links operation





UNIVERSAL LINK SYSTEM



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