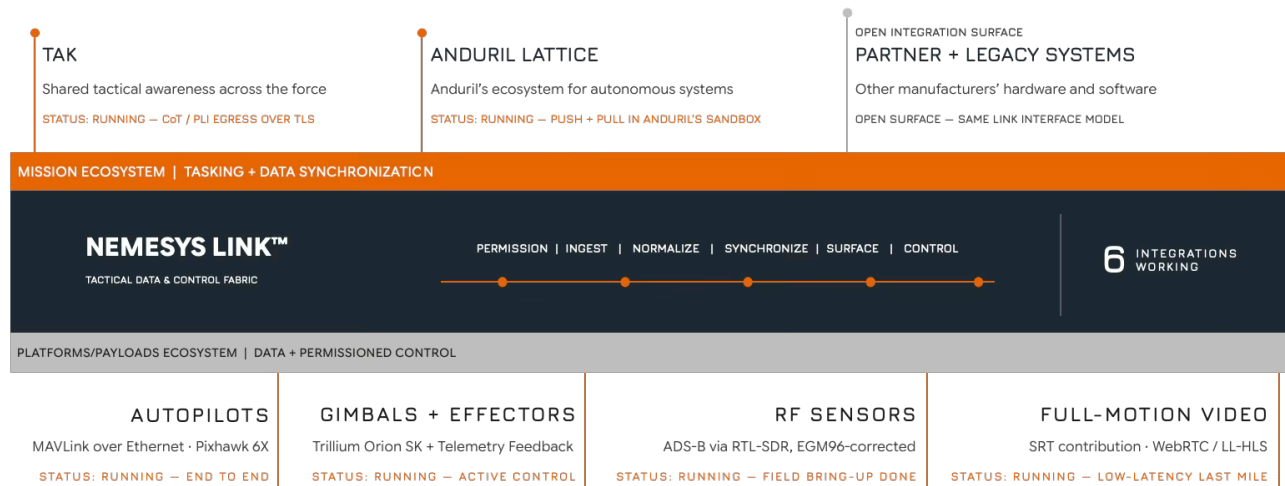


Nemesys LINK™ provides a modular, permissioned tactical data and control fabric that helps operators understand, coordinate, and act across uncrewed platforms, payloads, sensors, and mission systems while preserving OEM safety controls, platform authority, and human judgment.

LINK connects otherwise separate systems through a shared mission picture and consistent control workflow while exchanging approved data with broader command-and-control ecosystems. This reduces interface switching, manual coordination, and the need to reconcile mission data across separate systems.



PROBLEM/SOLUTION

Today's tactical ecosystem is fragmented. Aircraft, payloads, sensors, and mission software often arrive with their own interfaces, data formats, and workflows. LINK provides a common tactical data and control layer that brings disparate systems into a shared operational framework without stripping away their OEM architecture. LINK enables:

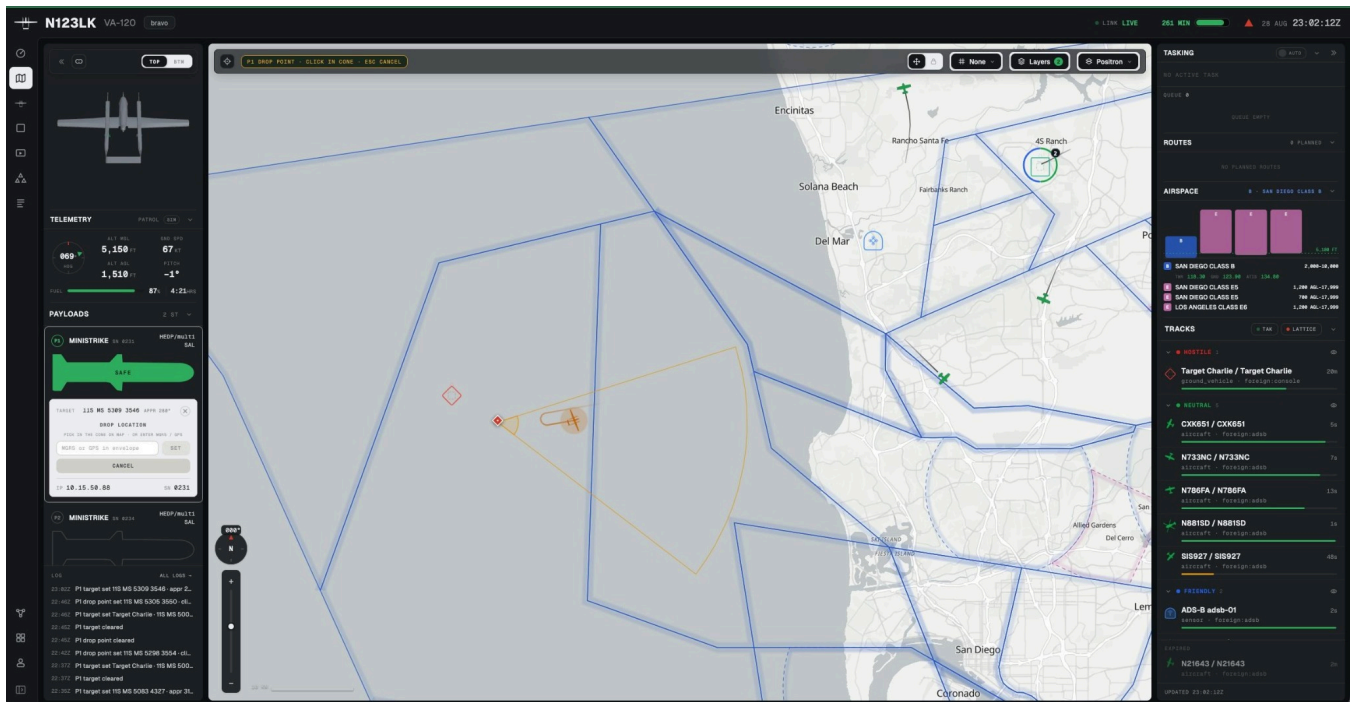
- A familiar operator workflow for interfacing with multiple payloads across different UAS, where mission authority, command relationships, and safety controls allow.
- Reduced integration time, training burden, and cognitive load.
- Permissioned, source-aware movement of mission data and control functions.
- Modular capabilities that can be fielded independently or together.

US Army Company Commander:
"This is what the Army has been looking for the past 20 years."

ARCHITECTURE

LINK is built on an open architecture, with software providing the common data and control fabric and modular hardware completing integration where required. Where systems expose the required interfaces, LINK connects through them. Where they do not, the Nemesys Networked Modular Payload System (N-MPS) supplies modular compute, mounting, power/data, and payload-specific interfaces.

- Preserves OEM architecture for aircraft, payloads, and sensors.
- Supports open-system integration rather than a forced proprietary stack.
- Through its current modular capabilities—Sync, Common Payload Control (CPC), and Common Operating Picture (COP)—LINK can ingest, normalize, synchronize, and surface tactical data, and control authorized mission functions across Nemesys-native and third-party OEM hardware and software.
- Common Vehicle Control supports approved navigation commands through OEM autopilots. LINK does not currently replace OEM autopilot or flight-control authority.



LINK mission interface combining aircraft telemetry, payload state, tracks, airspace, and mission context.

Modular Nemesys LINK™ Capabilities

Common Operating Picture

View aircraft, payloads, tracks, targets, airspace, and map data together to understand the mission and coordinate across dispersed teams.

Sync

Synchronize tactical data among TAK, Anduril Lattice, and LINK. The open architecture supports ingestion, normalization, synchronization, display, and permissioned control across other open systems.

Common Payload Control

Monitor and command integrated payloads from different manufacturers through a consistent interface while preserving payload-specific safety rules and authority boundaries.

Common Vehicle Control

View vehicle status and issue approved navigation commands in a dedicated workspace, with compatible gimbal video alongside the map. OEM autopilots, safety limits, and command authority remain authoritative.

Working Integrations and Demonstrated Capability

Six Working Integrations

- Trillium HD25 via Orion SDK — Gimbal control and video.
 - MAVLink — Vehicle data and approved navigation commands through OEM autopilots.
 - Anduril Lattice — Mission-data synchronization, with push and pull running in Anduril's sandbox.
 - TAK — Tactical data exchange supporting shared situational awareness.
 - ADS-B — Aircraft tracks incorporated into the common operating picture.
 - Rover Driver Stack — Ground-vehicle integration supporting LINK's common control workflow.
- Each integration expands what operators can do with the systems already connected through LINK while preserving customers' platform choices.

Demonstrated with Army Operators

In 2026 ground demonstrations, operators from 1st Air Cavalry Brigade in Texas and 3rd Multi-Domain Task Force in Hawaii used LINK over Starlink to control an integrated payload on a Vertical Autonomy VA-120 Group 3 aircraft in California.

A munition-analog release demonstrated safe separation with documented latency of 43 milliseconds. These demonstrations validated long-distance mission-data synchronization and permissioned payload control on a third-party aircraft.

Bring Your Mission Requirements

Nemesys can scope a LINK demonstration, technical evaluation, or funded integration around your platforms, payloads, sensors, and mission software.