METIS

by

CODEBYTE DYNAMICS

Multi-Domain C4ISR / Battle Management System

CODEBYTE DYNAMICS

PRODUCT OVERVIEW

METIS

Multi-Domain C4ISR / Battle Management System

METIS fuses sensor data from air, land, maritime, and electromagnetic domains into a single common operating picture with quantified uncertainty, automated decision support, and full explainability on every AI-driven recommendation. Designed for NATO-interoperable operations in contested and degraded environments.

CAPABILITIES

Multi-domain sensor fusion Correlates tracks from air, land, maritime, and electromagnetic sensors into a unified common operating picture with quantified uncertainty on every fused track.	**Contested environment operation** Maintains situational awareness under adversarial conditions including sensor denial, degraded communications, and active information manipulation.
Automated decision support Generates ranked courses of action with doctrine-enforced constraints, logistics feasibility, and platform-specific operational validation.	**Electronic warfare integration** Coordinated EW planning and execution management within the common operating picture. Automated frequency deconfliction and friendly-force protection.
Explainable AI Human-readable explanation on every automated classification, threat assessment, and recommendation. Compliant with EU AI Act requirements for high-risk military AI systems.	**Resilient architecture** Graceful degradation under sensor loss with no single point of failure. Designed for air-gapped deployment on classified defense networks without cloud dependencies.
Threat priority assessment Continuous ranked threat evaluation across all operational domains. Automated prioritization with operator-facing rationale for every ranking decision.	**Digital operational environment** Globe-based operational visualization with military symbology, sensor coverage overlays, and full timeline replay for after-action review and operator training.

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INTEROPERABILITY & COMPLIANCE

NATO tactical data link integration

Compatible with NATO standard tactical data link protocols. Interfaces with national C2 infrastructure without platform modifications or proprietary adapters. Interoperability designed in from day one, not retrofitted after deployment.

EU AI Act compliant now

High-risk AI enforcement begins August 2026 with penalties up to EUR 35M or 7% of global revenue. METIS was architected for compliance from the start: full audit trails, explainable outputs, documented evidence chains. Systems not built for compliance cannot be retrofitted.

European sovereign technology

Designed, built, and operated within the EU. No foreign vendor lock-in, no foreign specialists required for operations or updates, no data leaving sovereign control. Eligible for EDF and PESCO co-financing as EU-origin defence capability.

Air-gapped classified deployment

Full operational capability without internet connectivity or cloud services. No phone-home requirements, no licensing servers, no external dependencies. Designed for classified networks at any classification level.

OPERATIONAL RESILIENCE

Graceful degradation

Automatic detection of sensor loss or communications degradation. The system continues operation with widened uncertainty bounds and logged mode transitions rather than failing silently. Operators receive explicit notification of degraded coverage areas.

After-action review

Complete recording of the operational picture, operator actions, and system recommendations for post-mission analysis and training. Timeline-based replay enables review of any operational moment with full context.

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COMPANY

CODEBYTE Dynamics is a Romanian-registered defense technology company specializing in multi-domain command and control systems for NATO-aligned armed forces. The company holds CAEN codes 6210 (Software Development) and 7210 (Research and Development).

Founded with direct experience from defense and intelligence organizations, CODEBYTE Dynamics builds systems for operators who make decisions under pressure, on classified networks, against adversaries who actively degrade the information environment.

REGISTRATION

Legal Entity	CODEBYTE Dynamics SRL
CUI	RO49266413
Trade Registry	J40/23743/2023
Location	Bucharest, Romania
CAEN	6210 (Software Development) / 7210 (Research & Development)

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