



METIS

by

CODEBYTE DYNAMICS

Multi-Domain C4ISR / Battle Management System

CB-METIS-2026-003

August 2026

CODEBYTE Dynamics SRL · Bucharest, Romania



PRODUCT OVERVIEW

METIS

Multi-Domain C4ISR / Battle Management System

METIS is a deception-aware intelligence fusion and decision-support platform spanning air, land, maritime, space, and cyberspace, with electromagnetic-environment integration. It turns observations into trusted operational context with visible provenance, confidence, uncertainty, and human review. METIS is a TRL 6 integrated prototype; deployment accreditation and environment-specific validation remain required.

CAPABILITIES

Multi-domain operational picture

Integrates information across air, land, maritime, space, and cyberspace, with electromagnetic-environment context, visible provenance, and uncertainty.

Deception-aware intelligence fusion

Preserves provenance, freshness, confidence, and uncertainty while surfacing integrity concerns and questionable evidence for operator review.

Human-led decision support

Compares courses of action against mission, feasibility, legal, and geopolitical constraints. Recommendations remain advisory and require human authorization.

Geopolitical context

Adds public-event and geopolitical context, including GDELT-derived information where configured, to support awareness and mission understanding.

Explainable AI (XAI)

XAI presents operator-facing rationale, provenance, confidence, and traceable evidence to support human oversight, review, and assurance activities.

Sovereign deployment design

Designed for controlled and disconnected environments with visible degraded states. Production hardening, accreditation, and deployment validation remain required.

Threat priority assessment

Prioritizes mission-relevant threats with visible confidence and supporting rationale. Outputs support operator judgment and do not authorize operational effects.

3D environment & military symbology

Provides planning, rehearsal, and review with MIL-STD-2525E and NATO APP-6(E)/STANAG 2019-compatible tactical symbol rendering.

Mission planning & synchronization

Builds shared planning context across domains, organizations, and mission phases. Dependencies and decision points remain visible throughout human review.

Space-domain awareness

Adds space-domain context to planning and situational awareness so staffs can understand mission dependencies and relevant changes.

Defensive cyberspace awareness

Brings defensive cyberspace posture and mission-network risk into the operational picture. Focused on awareness, resilience, and defensive decision support.

Training & after-action learning

Supports controlled exercises, mission rehearsal, and structured review. Connects decisions, supporting evidence, and outcomes for learning.

Tactical & coalition integration pathways

Bounded pathways for Link 16/JREAP-C, Link 22, legacy Link 11 gateways, IBCS-related interfaces, and CoT where configured, authorized, and validated. MSS/MMHS handoff and STANAG 4774/4778-style security metadata.

Surveillance, maritime & UAS feeds

ASTERIX CAT 021/048/062, ADS-B SBS/BaseStation and Beast, and AIS/NMEA. STANAG 4586 UAS/drone telemetry, STANAG 4607 GMTI, and STANAG 7085 ISR gateway observations, plus NAVTEX navigational-warning area context.

Coverage & assumption awareness

Shows where information is incomplete and which assumptions bound an assessment. Confidence, freshness, and uncertainty remain visible to operators.

Validation & review dossiers

Packages rationale, provenance, constraints, review state, and integrity evidence. Supports controlled disclosure, audit, and post-mission validation.



INTEROPERABILITY & ASSURANCE

Standards-aligned interoperability

Designed for standards-aligned integration with NATO and national C2 environments. Interface and conformance validation are completed for each deployment context. Operational integration remains subject to approved interfaces and accreditation.

Human oversight by design

Explainability, provenance, auditability, and explicit human authority are embedded throughout the decision-support workflow. Applicable legal and assurance obligations depend on the intended use, operating authority, and deployment context.

European sovereign technology

Developed and controlled within the EU with a sovereign deployment objective. Programme eligibility and funding depend on the applicable call, consortium, procurement, security, and control requirements.

Controlled-network deployment

Designed to support disconnected and controlled environments without mandatory cloud dependence. Production hardening, accreditation, and site integration must be completed with the deployment authority.

OPERATIONAL RESILIENCE

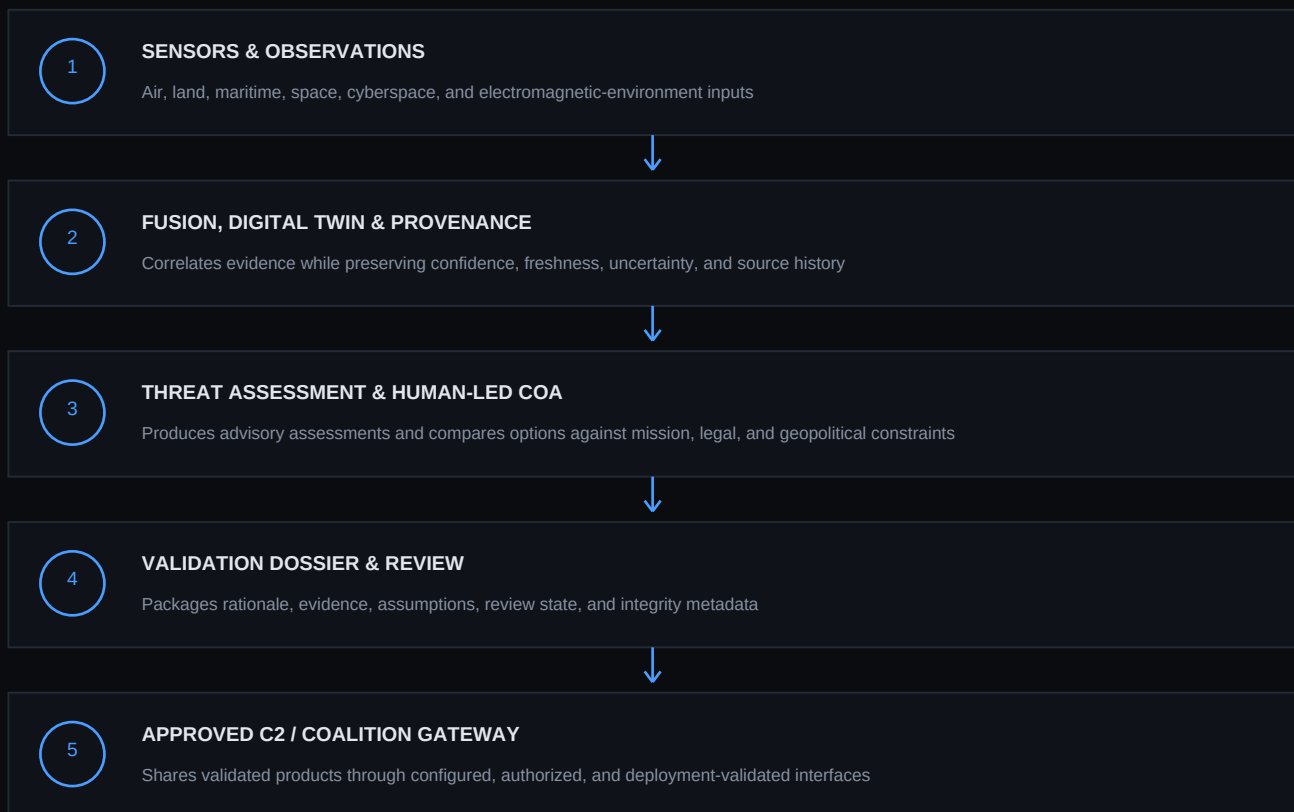
Graceful degradation

Changes in information availability or confidence are surfaced to operators. The system uses explicit degraded modes and retains traceability rather than failing silently. Deployment-specific resilience claims require validation in the target environment.

Auditable after-action review

Preserves mission context, operator decisions, system recommendations, and outcomes for structured review, training, and assurance. Evidence remains attributable and traceable across the review lifecycle.

HIGH-LEVEL INFORMATION FLOW



Illustrative high-level flow - not a deployment architecture.



COMPANY

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

CODEBYTE Dynamics is founder-led. Its founder brings prior contracted software-development and technical-documentation experience supporting a European security-sector organization. The company builds systems for operators in controlled, contested, and degraded environments.

REGISTRATION

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

CONTACT

Defence Inquiries	defence@codebytedynamics.com
Sales	sales@codebytedynamics.com
Web	codebytedynamics.com

Detailed technical evaluation available upon request under appropriate information sharing agreements.