

Battlespace Management and Intelligence System (BMIS)

A modular ecosystem of advanced capabilities for military intelligence, planning and operations



Powering decision advantage and operational impact

The nature of warfare is changing. New capabilities are essential to enable users to rapidly make sense of large data volumes in an increasingly dynamic and fast-paced military environment. Commanders require a complete view of the battlespace in order to make the best decisions and deliver effects at a pace and effectiveness that outmatches the adversary. Success requires navigating a highly active multi-domain future – assimilating intelligence from multiple sources for the effective planning and delivery of operations, with speed and provenance assured.

Intelligence to planning to effect

BMIS delivers innovative and automated capabilities to support the most critical and high-tempo military operations. As part of a modular ecosystem of capabilities, it helps users access and interpret data from multiple sources – providing real-time situational awareness and the insights required to plan and execute complex missions.

BMIS ensures seamless integration and data access while providing the flexibility of a customisable solution that can easily integrate with third-party applications – offering a solution to the challenges of a dynamic multi-domain future.

End-user Capabilities

Knowledge Management & Intelligence	Situational Awareness & Decision Support	Mission Planning & Execution		
Knowledge Exploitation	Real-time Situational Awareness	Complex Mission Planning	Mission Management	Foundational
Multi-source Data Fusion	Automated Indication & Warnings	Agile & Automated Planning	Automated Plan Monitoring	Automated
	Automated Courses of Action Generation	Simulations & Rehearsal	Dynamic Resources Re-planning	

Technology Enablers

Multi-domain Knowledge Graph	NLP & Semantic Search	Social Media Inspired Collaboration Tools	Multi-source Data Platform	SDK/APIs to Enable 3rd Party Integration
Automated Knowledge Capture	Configurable Semantic Search	Multi-domain C2 Interface	Synthetic Environment	AI Planning

From intelligence to planning to effect

Our BMIS product ecosystem delivers innovative and automated capabilities to support the most critical and high-tempo missions.

Knowledge management and intelligence

Data from integrated intelligence streams is analysed and interpreted based on an innovative knowledge graph model. This supports strategic intelligence and tactical operations with the right tools for an activity-based approach to ISR.

- Consumes all data sources to support connected AI functions
- Designed for a seamless multi-domain environment
- Scalable and interoperable with 3rd party apps
- Assisting humans from centre to tactical edge



Situational awareness and decision support

Get real-time information on the environment alongside automated indication and warning signals that feed into hypothesis testing and risk evaluation. Automatically evaluate potential adversarial courses of action and assess them in real-time as additional data comes in.

- Integration with real-time data feeds
- Advanced analytics to detect, prioritise and monitor risk
- Conversational and intuitive, adopting social media paradigms
- Accelerate human decision making



Mission planning and execution

Manage complex missions with manned and unmanned assets by automating part or all of the planning process. Support the coordination of mission execution with real-time information by monitoring performance of the automated plans and dynamically re-plan missions.

- Supports multi-domain operations
- Constantly informed by live intelligence and decision support tools
- Automated planning and tasking
- Operational and tactical focus
- Integration with 3rd party C2 and Comms systems



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