FOLIVORA SOLUTIONS

AFCEA TECHNET TRANSATLANTIC 2026

B2B / B2G Matchmaking

COMPANY PROFILE

Mathematical Optimization | Decision Support | Operational Intelligence

OUR DNA

Folivora Solutions is an independent **Operations Research (OR) boutique** originating from the Institute for Control Engineering, Systems Theory and Robotics at TU Darmstadt, Germany. We develop mathematical decision algorithms that translate complex operational challenges into **optimized, transparent and actionable decisions.**

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01 / TECHNOLOGY FOUNDATION

cORe Foundry

Our core technology platform provides modular building blocks for **mathematical optimization, forecasting and simulation**. These capabilities are tailored to specific operational requirements and can be integrated into existing software architectures as a specialized decision-support layer.

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02 / DEFENCE APPLICATION

MDO Tasking Engine

Originally developed for counter-UAS applications, our **Multi-Domain Operations (MDO) Tasking Engine** enables dynamic, capability-based coordination of heterogeneous assets and effectors. It considers mission priorities, spatial and temporal constraints, system capabilities and resource availability. Our demonstrator can optimize **several hundred assignments within seconds**, supports edge deployment, and provides explainable recommendations and dynamic re-planning.

03 / PARTNERSHIP INTERESTS

We seek partnerships with **defence technology companies, C2/C4ISR and mission-system providers, and system integrators** looking to enhance existing solutions with mathematical optimization, dynamic tasking and decision-support capabilities.

YOUR DATA - OUR ALGORITHMS.

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