

THE CHALLENGE: A SILO PROBLEM IN A CONNECTED WORLD

MILITARY SYSTEMS – FROM ARMoured VEHICLES TO UNMANNED AIRCRAFT AND WEAPONS SYSTEMS – ARE OFTEN OPERATED INDEPENDENTLY.

Different roots, proprietary technologies and isolated architectures result in a fragmented approach that can significantly impair the speed and efficiency of modern operations. The lack of end-to-end connectivity interferes data flow, decision-making processes and, ultimately, the mission success.

At the same time, the battlefield is changing ever more rapidly and becoming increasingly complex. The demands on armed forces are growing and require the continuous development of military systems. However, these systems are often not adequately networked among each other. This leads to so-called 'silos', i.e. isolated units that cannot effectively exchange information with third party systems. This leads to inefficient processes, under-utilised resources and, in the worst case, wrong decisions and associated risks for soldiers.

To break through the silo problem, a new approach is needed – one that is based on interoperability, security and efficiency. There is a requirement for a common, cross-force digital platform for networked command, weapon engagement and mission systems.



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BATTLESUITE – DIGITAL PLATFORM ENVIRONMENT FOR NETWORKED MILITARY

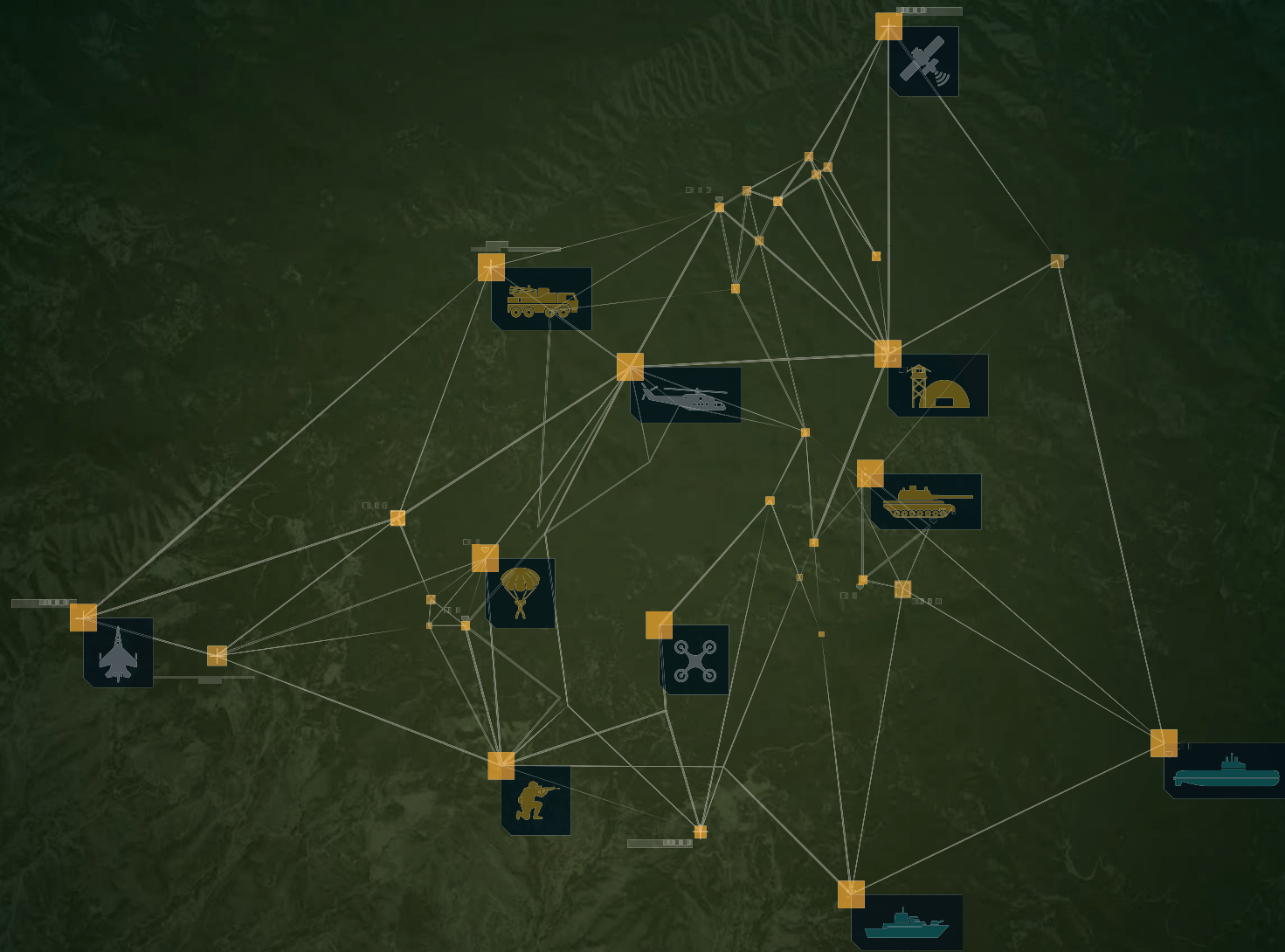
THE KEY TO OVERCOME SILOS IN THE BATTLESPACE

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AI-SUPPORTED, EFFICIENT AND RESILIENT: BATTLESUITE – A HOLISTIC SOLUTION

BATTLESUITE ENABLES A FUNDAMENTALLY NEW LEVEL OF AGILITY IN COMPLEX MILITARY OPERATIONS ACROSS ALL DIMENSIONS.

The Tactical Core – basically the operating system – is the backbone of an integrated and flexible digitalisation solution. A constantly growing number of applications and software from certified partners guarantees a wide range of deployment options to meet specific operational requirements. This provides a modular and resilient infrastructure that is both future-proof and capable.

The Battlesuite enables its users to exchange information in real time, thus generating a constantly updated situational picture. This means that all units on the battlefield have access to the same information and thus have a significantly improved basis for decision-making.

By using existing systems more efficiently, decisions can be made faster and with greater precision. Time, equipment and personnel are optimally utilised, while the efficiency of operations is increased.



BATTLESUITE

... provides access to software libraries that, among others, offers capability applications ('Apps') and thus enable completely new operational functions. Iterative development, incorporation of new technologies, such as AI or Cloud services as well as regular updates and mission applications. Predictive models enable responsive and data-driven decisions. Government-friendly open code provides transparency. Adaptive to specific national requirements.



MODULARITY, SCALABILITY AND INTEROPERABILITY

... enable seamless and simultaneous integration of heterogeneous systems and technologies, regardless of manufacturer or age of systems. Our open and stable architecture, that is adaptable to rapidly changing operational conditions and to any system, creates a merged and common situational picture.



FUTURE-PROVEN AND TECHNOLOGY DRIVEN DECISION SUPPORT

... protects sensitive data and communication channels against modern cyber threats, while meeting security requirements of national and international standards by a multi-layered approach, continuous threat analysis and security protocols. This is also enabling forces to rapidly adapt to evolving mission needs by secure deployment of apps – from allied and third party providers.



ADVANCED CYBER SECURITY MECHANISMS

... experienced from extensive deployments, show that user-level acceptance is crucial for the transition from proof of concepts to scalable solutions. Workshops and targeted training apps and programs build trust in new technologies.



HIGH ACCEPTANCE AND INTUITIVE OPERATION

Workshops and structured trainings ensure fast adoption, mission readiness and trust in new technologies.