

About Us

Founded in 2015, Hadean are an award-winning metaverse startup that's powering the military simulation ecosystem, providing the infrastructure and computational power required to realise the full potential of multi-domain training.

The Hadean Platform

Hadean's distributed computing platform provides the foundational elements of a central single synthetic environment (SSE), multi-layered hub technology for defence customers and industry system integrators (SIs). It breaks existing boundaries of performance at scale, enabling customers to deliver the next generation of complex, realistic, high fidelity and multi-layered, multi-disciplinary SSE simulations for wargaming, collective training, situational awareness scenarios, analytics and decision support modelling.

"Cervus are immensely proud to be working with our partners at Hadean. Hadean's distributed computing platform will significantly reduce the associated costs and increase the speed of wargaming and experimentation."

Alan Roan,
Managing Director, Cervus

Orchestrated Decision Support

In the modern operating environment where circumstances constantly change, the timely and accurate provision of information and analysis is critical to leaders who need to make informed decisions effectively. As a vital component of the command and control process, decision support tools equip commanders with the necessary situational awareness and insights to plan, execute, and assess military operations. These encompass elements such as intelligence analysis, operational planning tools, data visualisation, and modelling capabilities, that help leaders evaluate alternative courses of action, assess risks, and anticipate potential outcomes.

Challenges

- **Complex data orchestration:** Integrating new technologies with existing processes and systems to maximise data exploitation is a complicated computational task
- **Data science and engineering resources are limited:** Military leaders face challenges in accessing vital performance data stored in their training and simulation systems due to lack of technical expertise, preventing them from objectively assessing their operational readiness.
- **Lack of automated devops:** The lack of a user-friendly and intuitive interface for the dynamic activation and provision of compute power hinders the ability of end-users to run simulation requests in batches.
- **Limited 'what-if' scenarios:** Legacy tools are unable to rapidly simulate, analyse, and explore unlimited what-if scenarios. Decisions are made with limited information, often relying on subjective judgement and historical or personal experience.

Hadean's Platform integrates with decision support tools to provide the foundation for:

- Faster Data Collection
- Enhanced Data Processing and Analysis
- User-friendly Visualisation and Presentation
- Realistic Scenario Simulation
- Data-driven What-If Analysis
- Reliable Decision Recommendation
- Rapid Information Sharing and Collaboration

Benefits of the Hadean way

Synthetic environments on the fly: The Hadean Platform provides an easy interface for users to select and combine elements from a library of assets and create tailored training experiences

Simplified batch processing of simulations: Easy, configurable and dynamic user interface that simplifies batch requests, ensuring the right amount of compute power is made available, at the right time, with the right licensing.

Unlimited 'what-if' scenarios: Test scenarios rapidly to explore options and develop data supported courses of action at speed of relevance.

Exploit data from multiple sources: Hadean's cloud-native platform can consume and aggregate data from different sources

Facilitate collaboration: Distributed stakeholders in different geographical locations are able to access the same data and collaborate to accelerate decision making.

Achieving Decision Advantage

By developing comprehensive situational awareness that incorporates real-time intelligence and historical records, military leaders are able to understand their operational environment as it evolves and assess threats at a moment's notice. In addition, rapidly testing through various scenarios enables users to evaluate the effectiveness of different strategies, adjust plans accordingly and exploit emerging opportunities.

The level of collaboration that novel decision support tools allow have a critical role to play in elevating the collective understanding of a battlespace. Through the exchange of information and synchronisation, stakeholders can coordinate efforts towards common mission objectives across multiple domains. As a result, by leveraging data-driven insights, decision support powered by Hadean's platform enhances the ability of stakeholders to make informed and timely decisions, thereby gaining an edge over adversaries.

The Hadean Defence Ecosystem

SIs & Primes

CAE

BAE SYSTEMS

THALES
Building a future we can all trust

CERVIS

PLEXSYS

Government

Ministry
of Defence

ARMY
BE THE BEST

Technology Partners

Microsoft

Bohemia
Interactive
SIMULATIONS

EPIC
GAMES

CUBIC

PITCH

ROWDEN