



HADEAN

CERVUS

Taking British Army Decision-Making Forward

Hadean has been working with data analytics experts, Cervus, and simulation specialists, ST Engineering, to help the British Army's Operational Research Branch (ORB) transform decision support for experimentation and capability development (CAPDEV).

Providing timely and accurate data analysis is crucial for leaders in the armed forces and government organisations tasked with making difficult, urgent, calls under pressure. However, limitations in the computational power of today's

tools mean that, in the heat of the moment, decisions are often still made with limited information, relying on subjective judgements rather than empirical data.

Compare parallel 'what if' scenarios to achieve
data-driven decision making

Accelerate analytics processes
and respond to changing circumstances

Achieve battle winning
decision support

Hadean's Role

Following a year of delivering FORGE, a next-generation data-driven and AI-powered simulation toolkit, the capability continues to be refined through its 4-year contract.

- Hadean's new AI and spatial computing capabilities enable FORGE to draw data from distributed sources.
- End-users can trigger multiple scenario-runs through VR Forces with different parameters and collect data output for analysis.
- Improved situational awareness is achieved through real-time data on battlefield conditions, encompassing enemy positions, friendly forces, and environmental variables.
- Quick evaluation of risks related to various courses of action helps minimise the likelihood of costly errors or avoidable casualties.
- So far, 36 scenarios have run through VR Forces, simulating outcomes, and collecting and analysing data.
- The analytics process, which typically takes 9-12 months, is now completed in less than a day, enabling commanders to swiftly respond to changing circumstances.

[See how Hadean and Cervus brought FORGE together in this demo video](#)

Benefits

- 9-12 month analytics process reduced to less than 1 day, supporting commanders to respond promptly to evolving situations.
- Enhanced situational awareness with data on the current state of the battlefield, including enemy positions, friendly forces, and environmental factors.
- Rapidly assess risks associated with different courses of action, reducing the chances of costly mistakes or unnecessary casualties.
- Optimise allocation and deployment of limited resources by comprehensively considering mission-critical factors, available assets, requirements and objectives.

"Cervus are immensely proud to be working with our partners at Hadean. Integrating our analytics engine, Hive 2.0, with MAK and Antycip's world-class simulation products and Hadean's distributed computing platform will significantly reduce the associated costs and increase the speed of wargaming and experimentation."

Alan Roan, Managing Director, Cervus