PRODUCT

Athena AI Vision – An integrated military artificial intelligence (AI) decision support tool developed specifically for the targeting cycle, to speed up sensor to effector links. The three core functions are AI vision systems, machine learning decision support and an AI optimized user experience. Key benefits of Athena AI Vision are:

- Faster and more effective sensor to effector cycles
- Improved compliance to LOAC and ROE
- Reduced cognitive load on operators
- Real-time, improved situational awareness for commanders

CAPABILITIES

Athena AI aims to improve combat capability for Defence by driving efficiencies and delivering decision superiority, all whilst mitigating risk to personnel. Athena achieves this by leveraging artificial Intelligence to automate the data to intelligence process and create accelerated and more robust military decision cycles. Athena's core capabilities include:

- **State of the Art AI.** Athena can create bespoke and sophisticated AI neural networks to analyse data saturated battlespaces, revealing critical information rapidly and autonomously to commanders.

- **Trusted Military Decision Support.** Through industry and academic collaboration, has developed ethical AI-on-the-loop decision support to Battle Management Systems, Robotics and Autonomous Systems, and Joint Fires.

- **Agnostic Integration.** Athena AI can easily integrate our AI networks with different platforms, optics (EO, IR, Hyperspectral), edge compute devices, network nodes, and various battle management applications.

DISCRIMINATORS

Athena AI's core capabilities differ from our competitors in that Athena incorporates synthetic training, hierarchical architectures, and multispectral networks. Athena also includes the Australian Defence Force's ethical AI pragmatic tools, consideration for lethality systems, and performs quantization aware training or synthetic dataset generation.

To date Athena is unaware of an AI company which has established the level of trust in their networks with its full data assurance framework as well as forward planning for Article 36 reviews to support sensor to shooter links.

KEY CUSTOMERS

- Australian Army HQ
- Dismounted Combat Program
- Australian Army Combat Engineers
- Defence Science and Technology Group (DSTG) – Weapons Division
- Ideas at Sea – For Royal Australian Navy applications
- Missions Systems – Supporting a RICO lead project with the Australian Army

KEY PARTNERSHIPS

- Tomahawk Robotics Inc
- International Weapons Review
- Australian UGV Alliance
- Royal Australian Air Force Jericho Evaluations
- Anywise
- Ideas at Sea
- Mission Systems
- Skyborne Technologies

QUALITY ACCREDITATIONS AND AWARDS

Independent reviews of Athena AI conducted by DSTG Human Factors and Deakin University A2I2.

CONTACT DETAILS

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