

XTEK teams up with Athena AI, Milrem

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The ASX-listed company has entered into two separate collaboration agreements with the firms for the development of new technology.

XTEK has signed two separate MOUs with Queensland-based technology company Athena Artificial Intelligence (Athena AI) and Estonia-based firm Milrem Robotics.

XTEK and Athena AI have agreed to collaborate to support the development of fully sovereign end-to-end robotic autonomous systems and artificial intelligence (RASAI) enabled sensor to effector capability.

The system is expected to allow platform agnostic AI-enhanced common control of unmanned systems.

According to XTEK, preliminary integrations have been demonstrated with Athena AI, XTatlas and the AeroVironment Puma AE with i45 electro-optical sensor payloads.

Athena AI is expected to leverage its target recognition, geospatial analysis and machine learning decision technology.

The firm produces multi sensor computer vision data fusion with machine learning, designed for battle tracking, grouping information, supporting targeting, and linking detections to suitable effectors.

Athena AI has also delivered middleware services, providing a server-based solution as part of a C4I battle network.

Meanwhile, XTEK's MOU with Milrem Robotics aims to support the development of a composite material ballistic armour solution for Milrem Robotics' THeMIS unmanned ground vehicle (UGV).

XTEK and Milrem Robotics have agreed to share technical information, with Milrem developing requirements and specifications for armour protection of the THeMIS UGV, while XTEK designs the armour components and prototypes.

The operational testing of the armour is to be undertaken by Milrem, with XTEK to test the ballistic and armour of the components.

This follows an initial MoU signed between the two firms in [December 2020](#) to support XTEK's actionable intelligence solutions.

The MoU appointed XTEK to act as Milrem Robotics' UGV exclusive distributor in Australia and New Zealand.

<https://www.defenceconnect.com.au/key-enablers/8164-xtek-teams-up-with-athena-ai-milrem>