



AI AT THE TACTICAL EDGE

Booz Allen combines state-of-the-art AI training and inference platforms with edge-based routing to aid the human-machine team – enabling accelerated decision making at the tactical edge.

Current target recognition and tracking models taken out of the lab and put on the battlefield are not built to deal with change. A modification to a target's look or environment can make things much harder for AI in an operational setting.

These models need the ability to adapt to maintain decision advantage on the battlefield. Through the use of operationally-focused AI at the tactical edge, Booz Allen rapidly builds models using training pipelines and software optimized for the edge.

FEATURES:

- + **USER-FRIENDLY AI TRAINING:** Both technical and non-technical users can easily label data by navigating through a set of images and flagging the images of interest. Auto-labeling and rapid training expands the dataset and builds a model in minutes instead of hours.
- + **OPTIMIZED EDGE-BASED ROUTING OVER EXISTING DATA LINKS:** The new target recognition models are distributed to edge-based AI systems and monitored for performance, even over tactical networks. As targets are identified, routing software intelligently disseminates detection information across multi-transport data links, informing commanders of the latest intelligence.
- + **ADAPTABLE AI SOLUTIONS:** Models are adaptable to changing conditions, allowing decision makers to react quickly in dynamic environments.

About Booz Allen

Booz Allen is the premier digital integrator for the Department of Defense, blending decades of mission experience with state-of-the-art AI/ML, next-generation data solutions, networking, cyber, and advanced software development to help DOD achieve information dominance. We bring our defense clients the best emerging technology to help them quickly and easily modernize, achieve interoperability, and win.

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