

AI with an Edge

360-degree Situational Awareness

Never has the need for AI been so pronounced—especially for law enforcement teams operating in austere conditions at the tactical edge. These teams face dangers every day in the service of our country. Compounding their risk? Data challenges.

Challenge: Limited Ability to Exploit Tactical Data Using AI

On these front lines, where communication networks are weak and access to the latest cloud computing technology is limited, small teams struggle to move data and quickly analyze threats. *Octo's AI solutions push past the limits of cloud.*

Artificial Intelligence (Target/Threat Detection)



Aided Target Recognition



Personnel Detector



Vehicle Detector

Challenge: Inability to Push Data to End User Devices

Massive amounts of data are being ingested every minute, but the ability to manage, discover, and disseminate tactical geospatial and AI generated data has not kept pace with data generation capabilities. *Octo's AI solutions bring actionable data intelligence to your tactical team.* It's time to better protect our law enforcement. It's time for AI.

Real-Time Situational Awareness (TAK, IVAS, ENVG-B, GPNVG-18)





Real-time Information

Team Survivability and Mission Success

Octo has accepted the challenge to support increased small team survivability and mission success. Collaborating with field experts and end users, we've developed CX Edge, an open source, software-based solution for sensor and AI integration, tactical data management, and intelligence dissemination. CX Edge enables:

- Operators to be **nearly omniscient, with AI-driven 360-degree situational awareness** pushed to Android Team Awareness Kit (ATAK), TAK for Windows (WinTAK), Virtual TAK (VTAK), Integrated Visual Augmentation Systems (IVAS), Enhanced Night Vision Goggle—Binoculars (ENVG-B), or other tactical end-user devices
- Real-time AI-enabled aggregation of information across sensors in the field to **deliver relevant information to the end user**
- Operators to plan missions for **human-machine teams**
- Operators to control **autonomous and semi-autonomous drones** with minimal operator focus



Tom Lee



Rob Albritton

When your agency is ready to put lifesaving AI in the hands of law enforcement, contact Octo. Our 15-minute demo will change the way you look at and harness AI. Email Tom Lee (thomas.lee@octoconsulting.com) or Rob Albritton (rob.albritton@octoconsulting.com)