

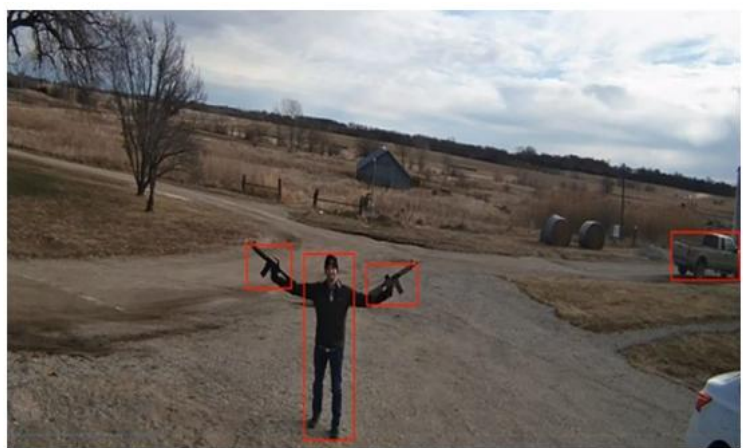
CPO 81 Tech Tuesday ZeroEyes, Inc.: ASTRA

Project Summary

SOFWERX hosted a Tech Tuesday presentation with ZeroEyes, Inc. on 03 May 2022. ZeroEyes, Inc. presented Automated Security Threat Recognition and Alerting (ASTRA). ASTRA, powered by the DeepZero platform, integrates with stationary, mobile, and body-worn cameras to enable users to autonomously detect threats such as weapons, intruders, and drones. The system delivers real-time tracking and alerts via Common Operating Picture (COP) systems, Tactical Assault Kit (TAK), SMS, and API-driven apps. ASTRA enhances situational awareness through continuous AI/ML detection and direct communication between sensor platforms and Command and Control (C2) nodes.

Resources Consumed

Total Cost: No-Cost



Project Timeline

Tech Tuesday Presentation:	03 May 2022
Transitioned:	24 April 2025



Project Results

After presenting at SOFWERX Tech Tuesday, ZeroEyes, Inc. was awarded a \$1,247,963 Small Business Innovation Research (SBIR) contract with the United States Air Force. ZeroEyes, Inc. advanced integration of its ASTRA threat detection platform across body-worn cameras, fixed sites, and unmanned systems. The effort focused on increasing object detection and classification accuracy, automating alerts across all camera feeds, and enhancing interoperability with government-off-the-shelf and commercial-off-the-shelf sensor systems. The resulting solution offers persistent early warning capabilities and increased human-machine teaming to support end-users and Department of Defense force protection and situational awareness missions.