

Project AeroAI Guardian

AeroAI Global Solutions, Inc.

What is AeroAI Global Solutions, Inc. addressing, and what actions are being taken?

Project AeroAI Guardian, led by the nonprofit AeroAI Global Solutions, is a collaborative initiative leveraging satellite imagery, artificial intelligence (AI), radiofrequency data, and radar technologies like synthetic aperture radar (SAR) to combat human trafficking. The project brings together government agencies, NGOs, and private sector partners to deploy cutting-edge technologies for detection, monitoring, and prevention.

The project focuses on—

- ▶ Identifying and monitoring trafficking hotspots.
- ▶ Partnering with satellite and data companies to leverage cutting-edge technologies, including high-resolution imagery, SAR, radiofrequency data, and AI-driven analytics, to enhance trafficking detection capabilities.
- ▶ Partnering with NGOs that provide historical data, field research, regional expertise, and access to localized networks to strengthen the project's intelligence and resource base.
- ▶ Collaborating with the federal government, including the U.S. Department of Homeland Security, to enhance investigations and support the use of satellite and AI-derived intelligence as evidence in courts.
- ▶ Developing a government-funded pilot program to demonstrate how satellite and AI-driven intelligence supports law enforcement, with the goal of securing a long-term government contract.
- ▶ Utilizing AI for pattern recognition, satellite image enhancement, and anomaly detection to uncover trafficking indicators across high-risk zones.
- ▶ Standardizing satellite and AI-driven intelligence as a global enforcement tool, ensuring scalability and international recognition for trafficking detection and prosecution.

“By combining cutting-edge satellite technologies with intelligence-sharing partnerships across government, the private sector, NGOs, law enforcement, and task forces, we are using these technologies to monitor human trafficking hotspots—serving not only as a surveillance tool but as a deterrent.

Our goal is to help standardize this system of using satellite and AI-derived intelligence as legally admissible evidence, strengthening enforcement efforts globally. No single entity can combat human trafficking alone, and we are proud to work alongside a growing community of partners committed to this mission.”

—Tuana Yazici, Founder & CEO,
AeroAI Global Solutions



How does the company partner with businesses to stop human trafficking?

AeroAI Global Solutions partners with the private sector, NGOs, and government agencies to enhance trafficking detection and prevention through the AeroAI Guardian project.

These cross-sector collaborations aim to build a scalable enforcement framework by integrating advanced technologies, intelligence sharing, and legal pathways.

Private sector partners could include satellite providers, AI firms, cloud and data infrastructure platforms, analytics companies, risk intelligence firms, and corporations in finance, logistics, and transportation.

Key Initiatives



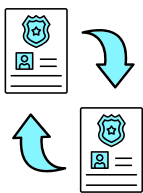
Ongoing discussions with satellite companies to secure access to high-resolution imagery, SAR data, and radiofrequency intelligence through existing satellite operations.



Partnering with AI firms to leverage existing capabilities, such as pattern recognition, satellite image enhancement, and anomaly detection to identify trafficking indicators in high-risk zones.



Working with cloud infrastructure and data integration companies to process and transform raw satellite and sensor data into actionable, easy-to-interpret intelligence products for investigative and operational use.



Engaging with investigative analytics and risk intelligence firms that provide access to criminal databases, sanctions lists, and other law enforcement relevant data to support trafficking-related investigations and enhance cross-referencing capabilities across data sources.



Exploring partnerships with corporations in finance, logistics, and transportation to integrate or enhance AI-based trafficking detection systems in their existing operations and facilitate secure information sharing in support of ongoing investigations.

Results to Date

Engaging with satellite companies to develop a framework for a government-funded pilot program demonstrating how satellite, AI, and sensor-based technologies can be used to monitor human trafficking hotspots.

Creating a case study on illegal fishing vessels demonstrates how certain trafficking hotspots involve overlapping illicit activities. In some cases, victims are exploited aboard the vessels; in others, they are transported covertly. The case study shows how satellite and AI technologies can be adapted to detect and monitor these complex maritime threats.

Advocating for the legal admissibility of satellite and AI-derived intelligence as supporting evidence in court proceedings, alongside traditional investigative methods, strengthens enforcement.

