



REVOLUTIONIZING AIRPORT SAFETY WITH AI

An AI-Powered Airport
Anti-Collision Control System
(AACS)

SRG Government Solutions, Inc.



THE PROBLEM

- - Increasing airport congestion leads to higher risk of collisions
- - Human monitoring and outdated systems cause critical delays
- - Limited automated prevention systems for complex air and ground scenarios



THE SOLUTION



- AACCS: A fully AI-powered collision prevention system



- Detects potential collisions between aircraft, vehicles, and structures



- Integrated with radar and GPS for real-time alerts and AI-generated avoidance commands

AI PROPOSAL OVERVIEW



- AI-powered system to prevent collisions between aircraft and airport vehicles



- Monitors areas within the radar/control tower range, especially for landing aircraft



- Built using multiple AI platforms



- System design and implementation subject to optimization by development team

MARKET OPPORTUNITY



- Addresses over 41,700 airports globally



- Primary targets: FAA, DoD, NATO, DOT, major airline hubs



- Commercial licensing per-airport



- Government procurement and SBIR Phase III funding potential

MARKET RESEARCH: WHY AACS IS ESSENTIAL

FAA reported **1,800+ runway safety incidents** in 2023 — a **20% increase**.

2024 data shows incident rates **holding steady or rising** (FAA preliminary reports).

Aviation accidents can cost **\$325M+** per incident (direct and indirect losses).

75% of incidents caused by human situational awareness failures.

Global aviation traffic expected to **double by 2040** (ICAO forecast).

41,700 airports worldwide (ICAO), creating a vast addressable market for AACS.

Growing regulatory focus on **advanced AI-based aviation safety** systems.

COMPETITIVE ADVANTAGE

- Proprietary AI risk prediction

- Encrypted, real-time corrective actions

- Compatible with radar/GPS systems already in use

- Faster, smarter, scalable safety system

- Override control + full audit trail

CALL TO ACTION

- Seeking \$3M to finalize and deploy AACS

-\$2m AI Acquisition & Backpropagation training

-\$2m AI Development

- Let's make airport safety proactive, intelligent, and secure.

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