



SECURITY EXECUTIVE COUNCIL

A research and advisory firm

Solution Innovation Case Study: Detecting Situational Stadium or Fixed Facility Drone Risk

The Security Executive Council (SEC) Solution Innovation Partner (SIP) program evolved as a means for practitioners to choose a trustworthy risk mitigation provider with confidence when there is a myriad of options in the marketplace. Proven Solution Innovation Practice Case Studies help to evaluate performance claims and differentiate security solution providers for business outcomes including risk mitigation, return on investment, and security assurance.

This Solution Innovation Case Study offers a proven process approach for mitigating risk(s) online that could result in injury or impairment of people, assets, critical processes, products and/or brand reputation. This proof point examines representative risk issues, mitigations and result outcomes as validated by the Security Executive Council and the end-user.

The following case study is a demonstration of a major sports franchise use of the AirGuard Mobile solution by 911 Security (<https://www.911security.com/>) to identify, track, and evaluate potential airspace threats in and around its stadium and practice facility.

Risk Issues and Mitigation Opportunities:

1. Drones may frequently disrupt or introduce uncertainty for game, entertainment or other operations without coordinated mitigation measures or pilot accountability
2. Known and unknown drones pose risks, threats and vulnerabilities to the stakeholders including fans, officials, staff, and other invitees in attendance; including live game interference, unauthorized access and theft of proprietary information, safety risk to other aircrafts in the same airspace, other crimes, and/or civil liabilities.
3. Team and league reputational brand defensibility make drone risk mitigation program considerations relevant when closely coordinated with public safety protection agencies.

Solution Requirements:

- The ability to detect and track the drone and pilot in real-time.
- The ability to setup a geo-fence around the bowl, structure or other areas of interest.
- The ability to receive mobile, real-time alerts to a set group of recipients in order to deliver situational incident intelligence for law enforcement and/or other stakeholder response and risk mitigation.

Delivered:

- Following a half-day installation of the required fixed equipment, the AirGuard Mobile solution was deployed.
- AirGuard Mobile detects approximately 85% of today's commercially available drones within a 2-mile radius.
- 657 drones detected within the agreed upon area over the facility in 30 days.
- The ability to stop game play with coordinated response by officials, law enforcement and stadium management.

Outcome and Benefits of Service Including ROI:



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- End user testimonial – *“Our confidence as an organization in our ability to detect drones went from a zero to 85% since implementing AirGuard Mobile. Operational simplicity, accuracy and cost were effective benefits.”*
- Law enforcement response efforts are now assured, saving law enforcement efforts, resources, and time.
- Real-time alerts specify how many drones entered the user’s airspace as well as the geo location of their pilot(s).
- Historical incident trail recording allows evidentiary support for law enforcement.
- Portability, for use during infrequent events or “away” games, a mobile kit can be deployed in 10 minutes as needed, with up to 8 hours of battery life.

SIP Case Study Authentication Process

This process was overseen by a Security Executive Council subject matter expert with 20+ years of experience in developing and leading people and asset protection programs as a trusted security advisor for global, multinational organizations. End-user authenticated February 2019.

Note: *The Security Executive Council's Solution Innovation case study represents a snapshot in time to demonstrate a solution to a specific-organization's issue. End-user diligence, trial and measurement are strongly recommended for any contemplated risk mitigation activity.*

A General Comparison of Competition

Client Service/Resource Attributes or Capabilities	AirGuard Mobile YES/NO	Company A YES/NO	Company B YES/NO
The ability to detect and track the drone and pilot in real-time	Yes	No	No
The ability to setup a geo-fence around area of interest.	Yes	No	No
Geo fence can be adjusted within minutes.	Yes	No	No
Sending of mobile, real-time alerts to a set group of recipients.	Yes	Yes	Yes
AirGuard Mobile detects approximately 95% of today's commercial drones within a 2 mile radius of a location.	Yes	Yes	Yes
Half-day installation of fixed equipment.	Yes	Yes	Yes
A mobile kit can be deployed in 10 minutes	Yes	Yes	Yes
Mobile kit has an 8-hour battery backup	Yes	Yes	N/A