

CASE STUDY

Weapons Detection System

CHALLENGE

A large company had been experiencing increased concerns over security at their corporate headquarters, particularly in light of recent events involving violence in the workplace, and increased threats of targeted protest activity.

The weapons detection system needed to identify and prevent the entry of dangerous weapons into the client's headquarters while maintaining smooth and efficient access for employees and visitors. The system had to be flexible to integrate with the client's card access, video surveillance and visitor management systems. Further, the system had to be capable of detecting a wide range of weapons including firearms, large-bladed knives, and other objects that could pose a threat.

SOLUTIONS

GMR Security utilized goals and objectives from the client to create a Screening Program for the client. Based on the developed Program's standards, policies, and procedures, GMR Security analyzed and presented a detailed comparison of several weapons detection systems, including options offered, and return on investment. The selected weapons detection system uses a combination of sensors and AI algorithms to scan individuals as they pass through checkpoints, detecting concealed weapons without the need for physical pat-downs and, in most cases, without any manual inspections. The system works as follows:

- ✓ **NON-INTRUSIVE SCREENING** - The system utilizes low-frequency radio waves and advanced sensors to scan each person for concealed weapons. The system is compliant with applicable Electromagnetic Standards on Human Exposure and pacemaker safety.
- ✓ **REAL-TIME ANALYSIS** - The data collected by the sensors is immediately analyzed by AI algorithms that have been trained to recognize the signatures of various weapons.
- ✓ **ALERTS AND RESPONSES** - If the system detects a potential threat, it triggers an alert to the security personnel, allowing security staff to respond quickly and effectively.
- ✓ **INTEGRATION WITH SECURITY OPERATIONS** - The system is integrated with the client's overall security operations, including access control, turnstile, video surveillance and communication networks. This integration ensures a coordinated response in case of a detected threat.

AT A GLANCE

Challenges

- Privacy concerns
- False positives
- System integration

Benefits

- Enhanced security
- Employee confidence
- Efficiency and speed

CONCLUSION

The implementation of a Screening Program and weapons detection systems for each entry point has proven to be successful security strategies for our client. GMR Security designed a security solution balancing technology and manned guarding, as well as safety and convenience. This allows employees to be at the workplace with reduced fear of potential threats. The keys to success were careful planning, integration, and ongoing management of the system, ensuring that it met the client's security needs while respecting the privacy and rights of individuals.



**PROTECT
WHAT
MATTERS
MOST**

