

RISK PI Metal Detection Knife Arch & SCREENING

CASE STUDY

Corps supports a diverse range of high-profile, publicly accessible and high-risk environments, including an international cricket ground, scientific institutions and high-profile religious venues. Across these settings, our role is to protect people, property and operations while enabling normal activity to continue safely and effectively, whether that involves live sporting and public events, specialist scientific research, or nationally significant conferences and gatherings. Services are delivered through a combination of professional guarding, access control, event-led security, monitoring and flexible resourcing, tailored to the specific risk profile of each site. This consistent, proportionate approach allows each organisation to operate with confidence, balancing public access, safety and business continuity within complex and often high-footfall environments.

CHALLENGE

Across live sporting and public events, clients required an enhanced screening solution to strengthen weapon detection and deterrence, while maintaining a positive and familiar spectator experience. Traditionally, screening focused heavily on manual bag searches, meaning attendees without bags were not always subject to the same level of scrutiny. This created:

- Inconsistent screening standards
- Limited deterrence for visitors attempting to bring prohibited items concealed on their person
- Increased reliance on manual searching alone

The objective was to deploy a non-invasive, efficient metal detection solution that could be integrated into existing entry processes without causing disruption, congestion, or negative public perception.



SOLUTION

RISK P1 Portable Walkthrough Metal Detection (WTMD) Knife Arches were deployed in the live event environment. The units were positioned across two entry gates and operated as a secondary screening stage.

Previously, there were no designated queues for attendees with or without bags; all visitors queued together for screening and ticket validation. This configuration provided valuable insight into flow management and queuing considerations for future deployments.

The WTMDs were configured with sensitivity levels set at approximately 200, in line with supplier-recommended standards for stadiums and large event spaces. Officers observed that:

- The left-middle and left-bottom zones were particularly sensitive to metallic items worn on the chest and foot areas
- Jewellery and certain footwear triggered alerts, prompting targeted secondary searches in these zones

Officers adapted quickly, conducting proportionate and professional follow-up checks where activations occurred.



RESULT

Enhanced Screening and Deterrence

- The introduction of WTMDs marked the first time visitors without bags were routinely screened, addressing a key security gap
- Both officers and members of the public openly praised the added layer of security
- The visible presence of the knife arches acted as a strong deterrent against bringing contraband such as alcohol or weapons onto site

Positive Public Perception

- Members of the public reported feeling safer and reassured, noting that the process felt familiar and aligned with other major venues and events
- The screening process was viewed as professional and proportionate, rather than intrusive

Operational Benefits

- The RISK P1 units are fully portable, quick to assemble, and easy to store
- Set-up and dismantling take less than five minutes, making them ideal for temporary or multi-use event deployments
- Officers were able to operate the units confidently with minimal adjustment time

CONCLUSION

The RISK P1 WTMD trial demonstrated clear value in enhancing entry screening, improving deterrence, and increasing public confidence, without negatively impacting the event experience. The solution provides a scalable, portable, and highly visible security uplift, suitable across sports and live event environments.

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