

Strengthening Insider Risk Protection Across a Global Technology Enterprise



Case Study at a Glance

INDUSTRY

Global Technology & Digital Services

SCALE

Multinational enterprise operating across multiple continents

ENVIRONMENT

Data Centers

APPLICATION

Personal Electronic Devices (PED) Detection.

By evolving its physical screening strategy to focus on personal electronic devices and insider risk, a global technology enterprise strengthened protection of its most valuable assets—data, intellectual property, and strategic information.

With Metrasens Ultra, screening could be placed where risk is highest and adapted to each environment, supporting a layered, future-ready security posture that balances protection, efficiency, and trust.



EVOLVING PHYSICAL SCREENING TO PROTECT DATA, IP, AND SENSITIVE ENVIRONMENTS

As this global technology enterprise expanded its digital services, cloud infrastructure, and content operations, protecting data and intellectual property became increasingly central to its physical security strategy.

While perimeter security and access control were well established, security leadership recognized that risk profiles varied significantly as individuals moved deeper into facilities—particularly in areas where sensitive data, proprietary content, and confidential discussions were present.

Key considerations included:

- The risk posed by unauthorized personal electronic devices capable of storing, transmitting, or recording sensitive information
- The need to address insider risk and data exfiltration alongside traditional physical threats
- Ensuring security controls could be applied consistently across data centers, executive spaces, and production environments, each with different operational needs
- Reducing reliance on guard-intensive screening models while maintaining strong oversight and accountability

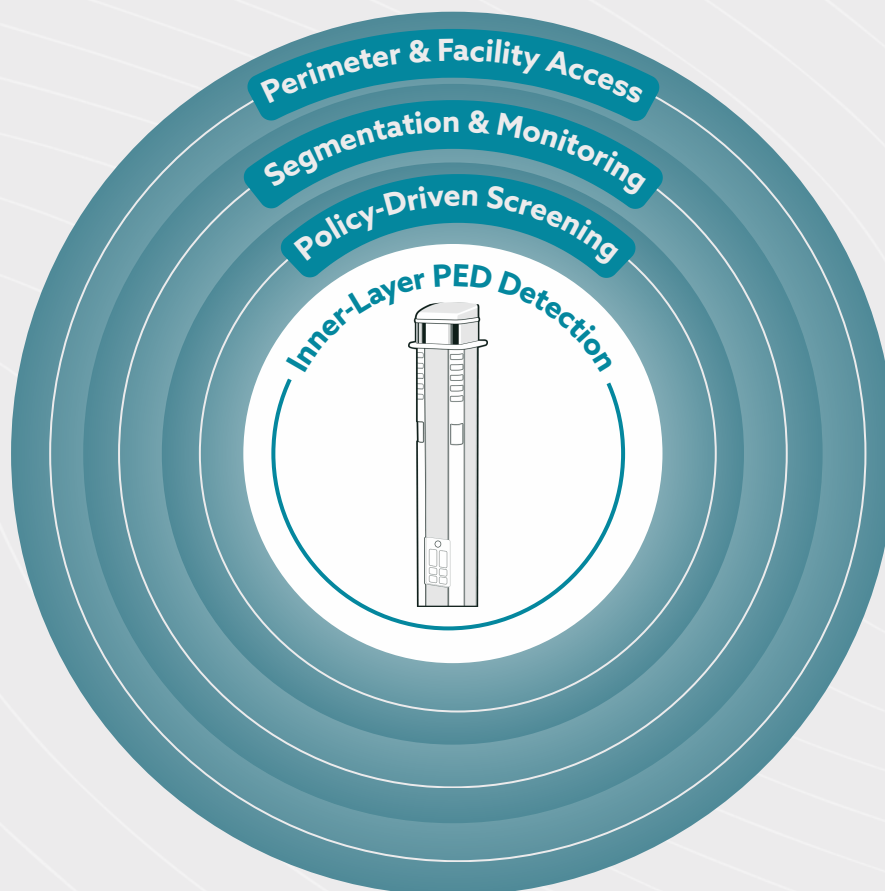
Rather than treating physical screening as a single checkpoint, the organization sought to align screening with a concentric rings security model, extending protection inward to match the value and sensitivity of assets within each space.



ALIGNING SCREENING WITH INSIDER RISK AND DATA PROTECTION GOALS

The organization set out to evolve its physical screening approach with the following objectives:

- Protect data, intellectual property, and confidential discussions by detecting unauthorized personal electronic devices
- Enable screening that could also support weapons detection, where safety requirements are applied
- Apply risk-appropriate screening across outer and inner security rings using a consistent platform
- Reduce operational cost and complexity associated with guard-dependent screening
- Maintain a professional, respectful, non-intrusive experience for employees, contractors, and executives



A RISK-ALIGNED SCREENING STRATEGY POWERED BY METRASENS ULTRA

To support these objectives, the organization selected Metrasens Ultra as the foundation of its physical screening strategy.

Metrasens Ultra was chosen for its ability to adapt to diverse environments and risk profiles using a single, flexible platform—enabling the organization to standardize detection while tailoring deployment by location and use case. This approach eliminated the need to manage multiple screening technologies across different business units.

Key reasons for selecting Metrasens Ultra included:

- Dual-purpose detection, supporting both personal electronic devices and weapons detection, depending on the environment
- An adaptable solution suitable for data centers, executive areas, and production environments
- The ability to support autonomous screening models via integrations, reducing reliance on on-site guard presence
- Integration-friendly architecture, including open RESTful APIs that allow Metrasens Ultra to connect with broader security ecosystems

Rather than deploying screening uniformly everywhere, Ultra was strategically placed within inner security rings, where the introduction or removal of personal electronic devices posed the highest business and security risk.



Why Metrasens Ultra

One platform, multiple use cases

Supports insider-risk screening across data centers, executive areas, and production environments without deploying different technologies.

Dual-purpose detection

Configurable to detect personal electronic devices and weapons based on location and risk profile.

Built to integrate

Open RESTful API supports seamless connection to access control, video, and enterprise security systems.

Workplace-appropriate by design

Touchless screening aligned with HR-informed policies, supporting trust and professionalism.

Implementation by Environment

CLOUD COMPUTING & DATA CENTER OPERATIONS

Focus

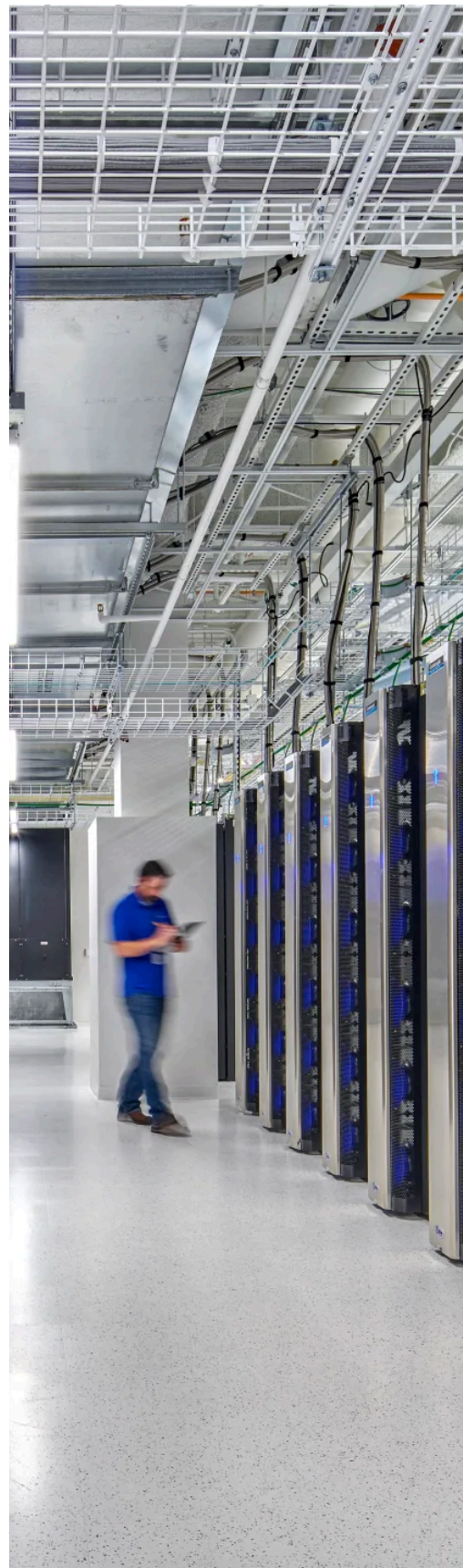
Preventing unauthorized personal electronic devices and data exfiltration

The organization operates a global network of data centers supporting core cloud and digital services. A priority within these environments was preventing unauthorized personal electronic devices—such as removable storage—from entering controlled data hall cages.

Metrasens Ultra was deployed as part of an autonomous screening portal positioned at cage access points. Ultra's integration capabilities and open RESTful API enabled seamless connectivity with more than a dozen adjacent security systems, while providing real-time oversight from the organization's Security Operations Centers (SOCs)—without requiring a physical guard presence.

Impact

- Consistent detection of small personal electronic devices
- Centralized SOC monitoring across geographically distributed sites
- Reduced reliance on costly guard escorts while strengthening data protection





CORPORATE HEADQUARTERS & EXECUTIVE AREAS

Focus

Preventing unauthorized personal electronic devices and leakage of sensitive information.

Within headquarters environments, screening requirements extended beyond safety to include protection of sensitive business discussions and long-term strategy.

Metrasens Ultra was selected for executive and board-level areas due to its sleek design and small footprint, allowing it to integrate seamlessly into professional, high-visibility spaces without disrupting the environment or experience.

Screening protocols supported the detection of:

- Weapons
- Personal electronic devices capable of recording or transmitting information

This approach enabled discreet, effective screening that protected both executive safety and sensitive information.

Impact:

- Reduced risk of unauthorized recordings or information leakage
- Screening aligned with executive-level security and aesthetic expectations
- Protection of people and information through a single, unified process

PRODUCTION STUDIOS & CONTENT OPERATIONS

Focus:

Preventing IP leakage and unauthorized recording.

For the organization's production and content environments, protecting intellectual property was mission-critical. Unauthorized personal electronic devices posed a direct risk of recording and premature release of proprietary content.

Metrasens Ultra was used to screen:

- Full-time employees
- Contractors
- Temporary production staff

Ultra enabled touchless, respectful screening aligned with HR-informed policies, ensuring consistent enforcement without intrusive searches. This approach supported both security requirements and workplace trust across diverse staffing models.

Impact:

- Reduced risk of unauthorized recordings and leaks
- Greater control over release timelines
- Consistent enforcement across staff roles and employment types



RESULTS & BUSINESS IMPACT

- A unified, insider-risk-focused screening strategy aligned to a concentric rings security model
- Enhanced protection of data, intellectual property, and confidential information
- Reduced operational burden through autonomous and SOC-monitored screening
- A single, adaptable platform supporting multiple environments and use cases
- Improved alignment between physical screening and broader information security goals

About Metrasens

Metrasens is a world-leading provider of advanced detection technologies that, combined with tailored solutions, address the deficiencies in conventional screening methods. Metrasens takes science from the laboratory and uses it to create revolutionary products that are effective, flexible, easy to use, and exceed the needs of our customers.



