



Aura Ai-X CASE STUDY

CORRECTIONAL FACILITY, UNITED STATES

BACKGROUND

A United States correctional agency required a perimeter security upgrade to strengthen protection at a high-security correctional facility. The site's operational environment demands continuous, reliable monitoring to safeguard staff, inmates and critical infrastructure. As part of an infrastructure modernisation program, the facility sought a solution to replace a legacy FFT system with technology capable of delivering enhanced detection performance, resilience and operational support across the facility's hardened perimeter.

CHALLENGE

The facility's perimeter needed to resist tampering and withstand environmental challenges while ensuring accurate detection of intrusion attempts. The legacy system could no longer meet the evolving security requirements of a high-risk correctional environment. The upgrade needed to minimise false alarms, maintain continuous coverage, and provide operators with reliable alerts that supported a rapid and confident response to potential breaches.

SOLUTION

Aura Ai-X, FFT's latest generation fence-mounted intrusion detection system, was deployed as a direct upgrade to the legacy technology. Aura Ai-X provides hardened perimeter security with AI-driven analytics to accurately distinguish genuine intrusion events from environmental noise. The system delivers enhanced detection reliability, reduced nuisance alarms, and operational continuity, strengthening the facility's perimeter protection and supporting faster, more confident security responses.

By upgrading to Aura Ai-X, the facility achieves a resilient, tamper-resistant perimeter with reliable intrusion detection, reducing false alarms and enhancing overall operational security.