



Aura Ai-XS CASE STUDY

MAJOR INTERNATIONAL AIRPORT, UNITED STATES

BACKGROUND

A major international airport in the United States operates within a dense urban environment. It is one of the country's busiest airports, handling high volumes of passenger and aircraft movements. As part of its ongoing commitment to safety and infrastructure modernisation, the airport undertook an upgrade of its perimeter security systems. The project involved replacing a legacy FFT fence-mounted intrusion detection system with the latest generation technology while maintaining uninterrupted security coverage across the operational airport perimeter.

CHALLENGE

The airport perimeter is located adjacent to busy public roads and urban infrastructure, creating high levels of environmental noise and vibration. Traffic movement, aircraft activity and weather conditions posed a challenge for reliable intrusion detection. The new system needed to accurately identify genuine intrusion attempts while filtering out non-threatening environmental disturbances, minimising nuisance alarms and ensuring security teams could respond quickly and confidently.

SOLUTION

Aura Ai-XS, FFT's latest AI-powered fence-mounted intrusion detection system, was deployed as a direct upgrade to the existing solution. Aura Ai-XS uses advanced analytics to distinguish true intrusion events from environmental noise, making it well suited to complex, high-traffic environments. The upgrade delivered enhanced detection performance, reduced false alarms and a future-ready perimeter security platform aligned with modern aviation security requirements.

Aura Ai-XS delivers the highest possible detection performance while achieving exceptionally low nuisance alarm rates, even in complex, high-noise environments.