

CASE STUDY: TRANSPORT

PUBLIC TRANSPORT OPERATOR, SE ASIA



As a multi-modal transport operator providing bus, rail and taxi services to a population of more than 5 million, this customer needed a perimeter intrusion detection solution to comply with strict government security requirements for the protection of critical infrastructure.

Background

As the largest bus operator in the country, the customer needed to install perimeter intrusion detection on multiple new and existing bus depots - each with a perimeter length of between 1.3km and 3kms. As the pre-existing security solution was generating numerous nuisance alarms and the manufacturer was unable to resolve the performance issues, the customer was focussed identifying a new solution which delivered superior performance with low nuisance alarm rate. The perimeter detection solution also needed to monitor for possible intrusion via drainage gates located on-site.

Requirements

- ✓ Detect intrusion events on perimeter fences and drainage gates
- ✓ Real-time alarm/event notification
- ✓ Integrate with new or existing video management software/CCTV
- ✓ Superior performance with low environmental nuisance alarms
- ✓ Intrinsically safe - no power in the field
- ✓ Immune to RFI/EMI and lightning
- ✓ Cable cut resilience and redundancy



Our Solution

To meet the project requirements, FFT Aura Ai-2 dual channels controllers were installed to monitor new anti-climb perimeter fences and drainage gates at each bus depot. Installed as a full cut resilience configuration, FFT CAMS seamlessly integrated with the customer's existing video management system and CCTV to enable visual verification of alarms by the security operator.

Customer Response

Following installation, the customer conducted site testing in line with the FFT Aura Ai-2 Acceptance Testing during which multiple random alerts were conducted on all fence zones, drains and gates. FFT Aura Ai-2 successfully detected all alarms and communicated event details to the integrated video management system which triggered the closest CCTV for intrusion verification. The superior performance of FFT's perimeter intrusion detection solution received customer approval.



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