



Future Fibre
TECHNOLOGIES



Securing Airport Infrastructure with Confidence

Intrusion Detection
Fibre Security Technology

fftsecurity.com

Why Airport Infrastructure Needs Stronger Protection

Airport infrastructure is critical to national connectivity and economic activity. This makes it a high-value target for physical threats that can disrupt operations, compromise passenger and staff safety, and trigger delays across air travel networks.

Even brief security incidents can cause major operational delays, safety risks, and financial losses. In highly interconnected aviation networks, a single security failure can have immediate and widespread consequences.

Unauthorised access to terminals, runways, hangars and control facilities

Perimeter breaches around airside areas and critical assets

Tampering with navigation, power, communications or security systems

Vandalism or damage to aircraft, ground support equipment and infrastructure

Uncontrolled access to restricted, high-risk or safety-critical areas



The FFT advantage

We deliver multi-layered, integrated security solutions that protect airport infrastructure facilities from the outside in.

PERIMETER INTRUSION DETECTION

FFT's fence or buried systems suit the protection of airport infrastructure delivering high detection with low nuisance alarms.

DATA NETWORK PROTECTION

FFT monitors the physical cable to deliver clear network security and health insights, stand-alone or with your NMS.

BURIED POWER CABLE MONITORING

DAS fiber sensing detects cable tampering, theft and disturbances in real time, helping operators act at the earliest stage.

With operations across six continents and thousands of sites protected worldwide, FFT is trusted by governments, military, and industry leaders in over 80 countries.

Multi-layered protection in action

By combining detection strategies, FFT delivers a seamless & impenetrable defence system for airport facilities and infrastructure. From perimeter to server room, every layer of protection is designed to reduce risk, prevent downtime, & ensure compliance.

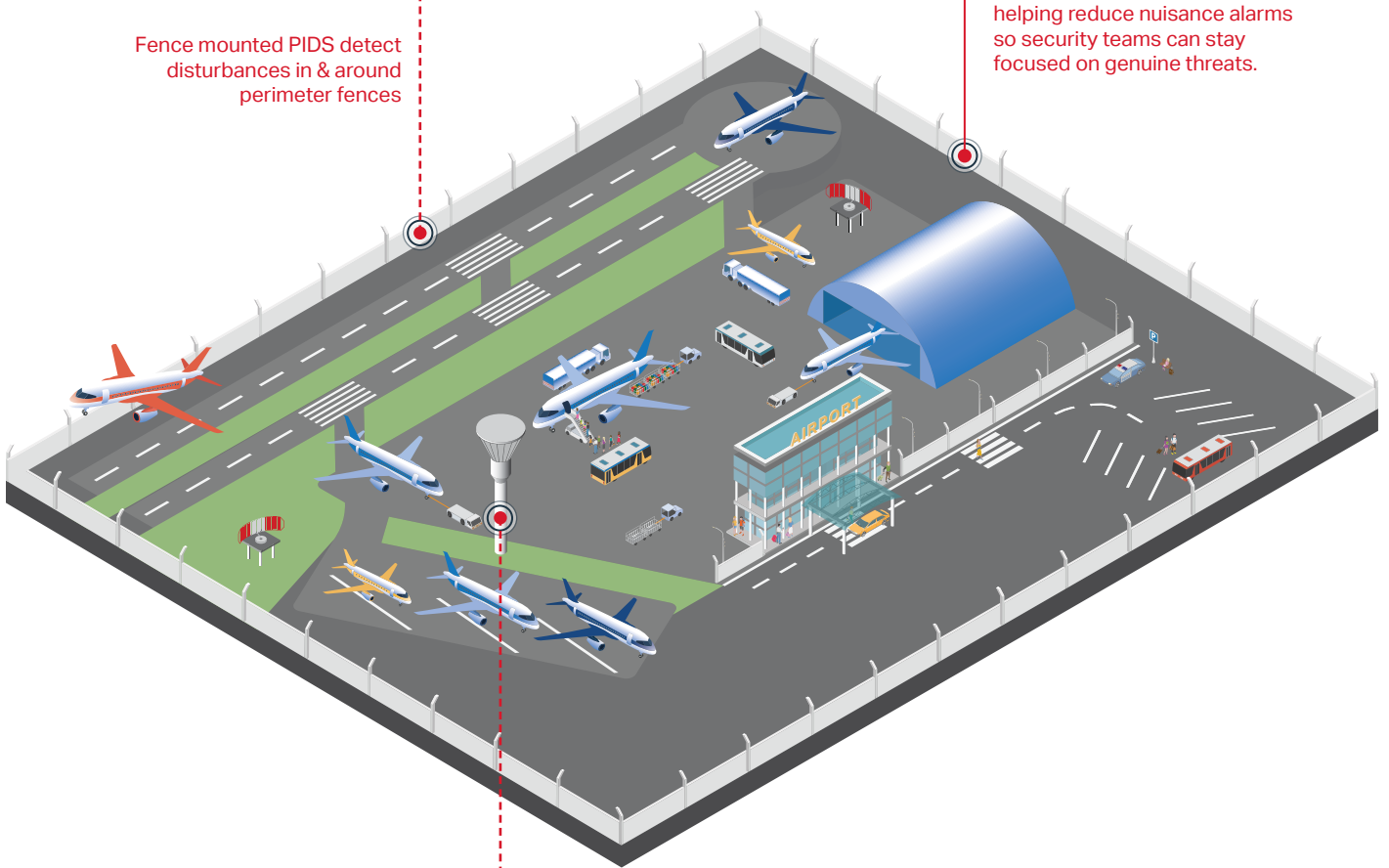


Fence mounted PIDS detect disturbances in & around perimeter fences

AURA Ai-X



Factors like jet blast and other operational noise can be identified and filtered out, helping reduce nuisance alarms so security teams can stay focused on genuine threats.



Fibre optic sensing monitors power and data cables, detecting tampering with signalling, power or communications systems

From perimeter to core: How Future Fibre Technologies secures Airport Infrastructure

FFT's DAS (Distributed Acoustic Sensing) based fibre optic sensing technologies deliver real-time, location-specific alerts across airport perimeters, airside zones and critical infrastructure. From intrusion and interference to vandalism and cable health monitoring, FFT helps operators identify issues early and respond with confidence. Designed for complex airport environments, the system can recognise and filter operational noise such as jet blast, helping reduce nuisance alarms.

Seamlessly integrating with existing security systems, FFT solutions provide highly reliable detection, helping safeguard operations, infrastructure and sensitive data.

PERIMETER INTRUSION PROTECTION

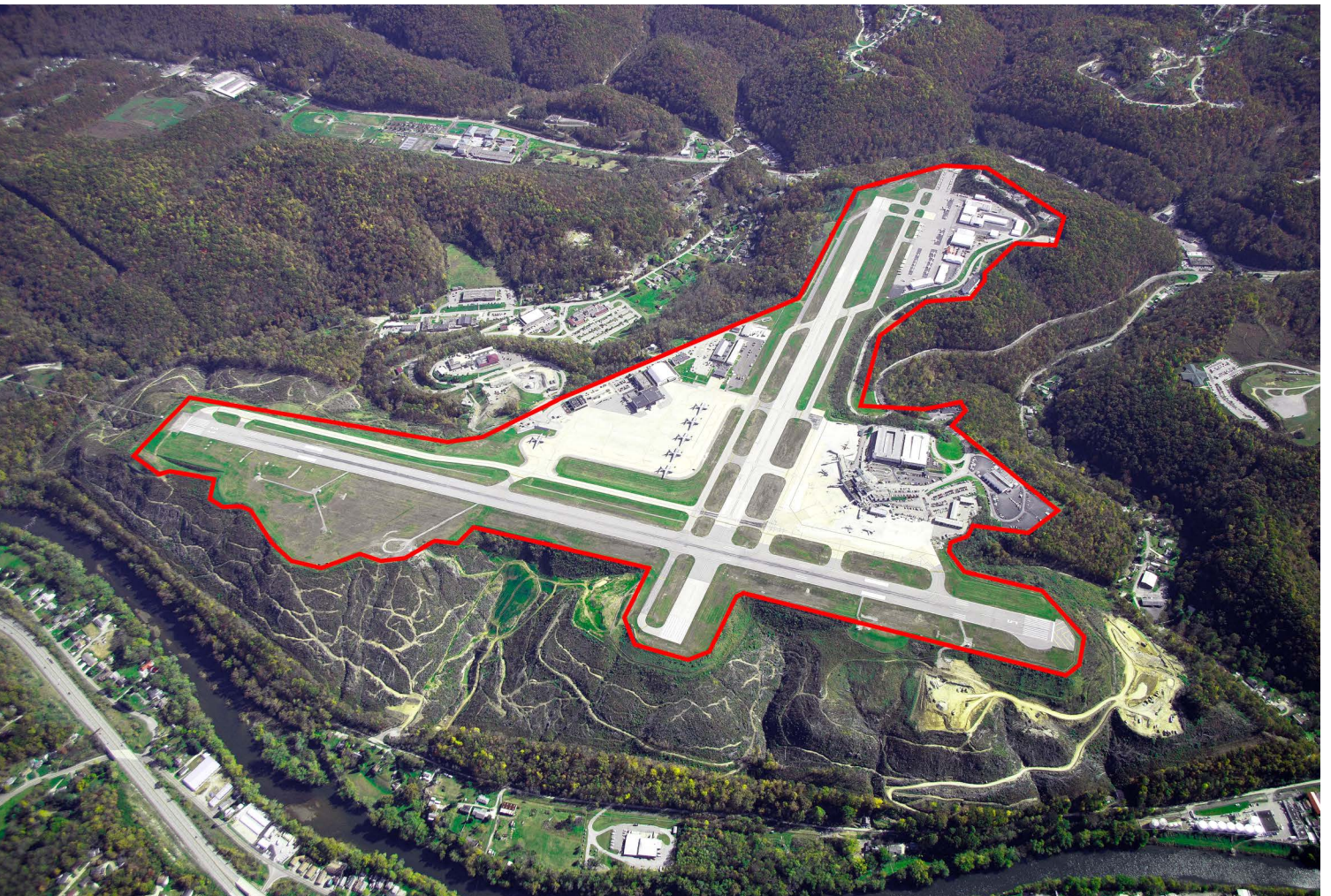
While airport zones and perimeters can range from 50m to hundreds of kilometres, they require the same level of protection. Whether fence mounted or covert buried, FFT's intrusion detection technology is well suited to airport environments, performs effectively in demanding operational conditions, and delivers a high probability of detection with a low nuisance alarm rate.

DATA NETWORK PROTECTION

Airport network management systems typically focus on higher-level network protocols and transactions, only detecting malicious activity based on interface and data flow health. By this stage, the damage may already be done. Working stand-alone or in conjunction with existing NMS platforms, FFT's data network solution delivers a complete view of physical network security and operational health by monitoring critical airport communication, signalling and data cables.

BURIED CABLE MONITORING

Airport power and data cables are exposed to a range of threats, including copper theft, accidental damage and malicious interference. To make the fast, well-informed decisions needed to protect this infrastructure, operators require a solution that detects issues at the earliest possible stage. Using DAS-based fibre optic sensing technologies along the cable, FFT can detect tampering, theft and disturbance events in real time.





Trusted worldwide

- 80+ countries served
- Tens of thousands of installations
- Proven across critical infrastructure, government, and commercial sectors

Honeywell

M.C. DEAN
BUILDING INTELLIGENCE

SIEMENS

Telstra

ExxonMobil

Johnson Controls

U.S. AIR FORCE

Transport Sydney Trains



Australian Government
Department of Defence



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The excellent support from OEM suppliers contributed to the overall success of the project and **I would have no hesitation in recommending FFT’s solution** for future projects.

• US REFINERY OPERATOR

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By far, FFT was the best proposal, best value, and as it turned out, theirs was the lowest price. Both the integrator and the customer were **extremely impressed with FFT’s performance, timeliness, professionalism, as well as service after the work was completed.** The system is the best we have seen or heard of to date. **Every facet of the system exceeded our expectations.**

• US ARMY SECURITY CONTRACTOR

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Risk mitigation of unauthorised access to the Photovoltaic Alex Farm was the major challenge, especially considering its vast territorial expanse. The security solution (comprising PTZ cameras, horn speakers and FFT’s fibre optic intrusion detection) allows the security team to act effectively in the analysis, detection and response of flagged occurrences.

• PROJECT MANAGER, ELERA RENEWABLE

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Fence security at Istanbul Airport is **smarter and more sensitive** thanks to Future Fibre Technologies.

• IGA ULV SYSTEMS GROUP MANAGER



Integrations

PARTNER SUPPLIED INTEGRATIONS*

Advancis WinGuard
 Axone Systems
 AxxonSoft
 BEL Command & Control
 (Bharat Electronics Limited)
 braXos Security Steward
 Carnoustie Security
 ECIL – Scada Integration
 Ekin Red Eagle
 FLIR 360 Surveillance
 Genetec Security Centre RSA
 GEW Technologies
 Havelsan
 HERNIS (Eaton)
 Honeywell EBI
 Honeywell HUS
 Honeywell ProWatch
 IP Fusion
 KocSistem
 Linc
 Mindtree
 NCS

Nightingale Intelligent Systems
 BrdsEye
 Nirasys
 Qognify
 Siemens Siveillance Vantage
 Sinpro
 Sterlite
 Synectics Synergy3
 Tata Advanced Systems
 Thales Airport Operation Control
 Centre (AOCC)
 Tyco CEM Systems AC2000
 Tyco Proximex Surveillint
 Vector InfoTech
 Verint Fusion SMC
 Videonetics
 Vidsys
 Viettel Surveillance System

FFT SUPPLIED INTEGRATIONS

Avigilon Control Centre
 Bosch Video
 Management System

FLIR Latitude
 G4S AMAG Symmetry Enterprise
 Gallagher Command Centre
 Hikvision
 IndigoVision Control Centre
 Lenel S2 - Onguard
 Milestone XProtect
 Pelco VideoXpert
 Sick Laser Scanner
 Tyco Software House C-Cure 9000

CAMERA CONTROL INTEGRATIONS

Axis Cameras
 ONVIF Compatible
 Cameras

INDUSTRY STANDARD INTERFACES

Configurable ASCII
 Device output
 Email output
 Modbus PLC
 SMS output
 SNMP v1 and v2

Secure your Airport Infrastructure today

Contact FFT to discover how our integrated solutions can protect your airport infrastructure and assets.

FFTSECURITY.COM



For more information about our products, visit: www.fftsecurity.com
Contact us: info@fftsecurity.com

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