



Future Fibre
TECHNOLOGIES

Securing Data Centres with Confidence

Intrusion Detection
Fibre Security Technology

fftsecurity.com

Why Data Centres Need Stronger Protection

Data centres are the backbone of global connectivity, yet their critical role makes them prime targets for physical threats that can lead directly to data breaches and network compromise.

Every minute of downtime can cost a large data centre up to \$9,000 - so downtime or compromised security can have enormous operational and financial impacts.

Unauthorised entry and perimeter breaches

Infrastructure tampering or damage

Data line tapping and cable interference

Drone activity and ground-based intrusions

Uncontrolled access to secure areas



The FFT advantage

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

PERIMETER INTRUSION DETECTION

FFT's fence or buried systems suit any data center and delivers 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.

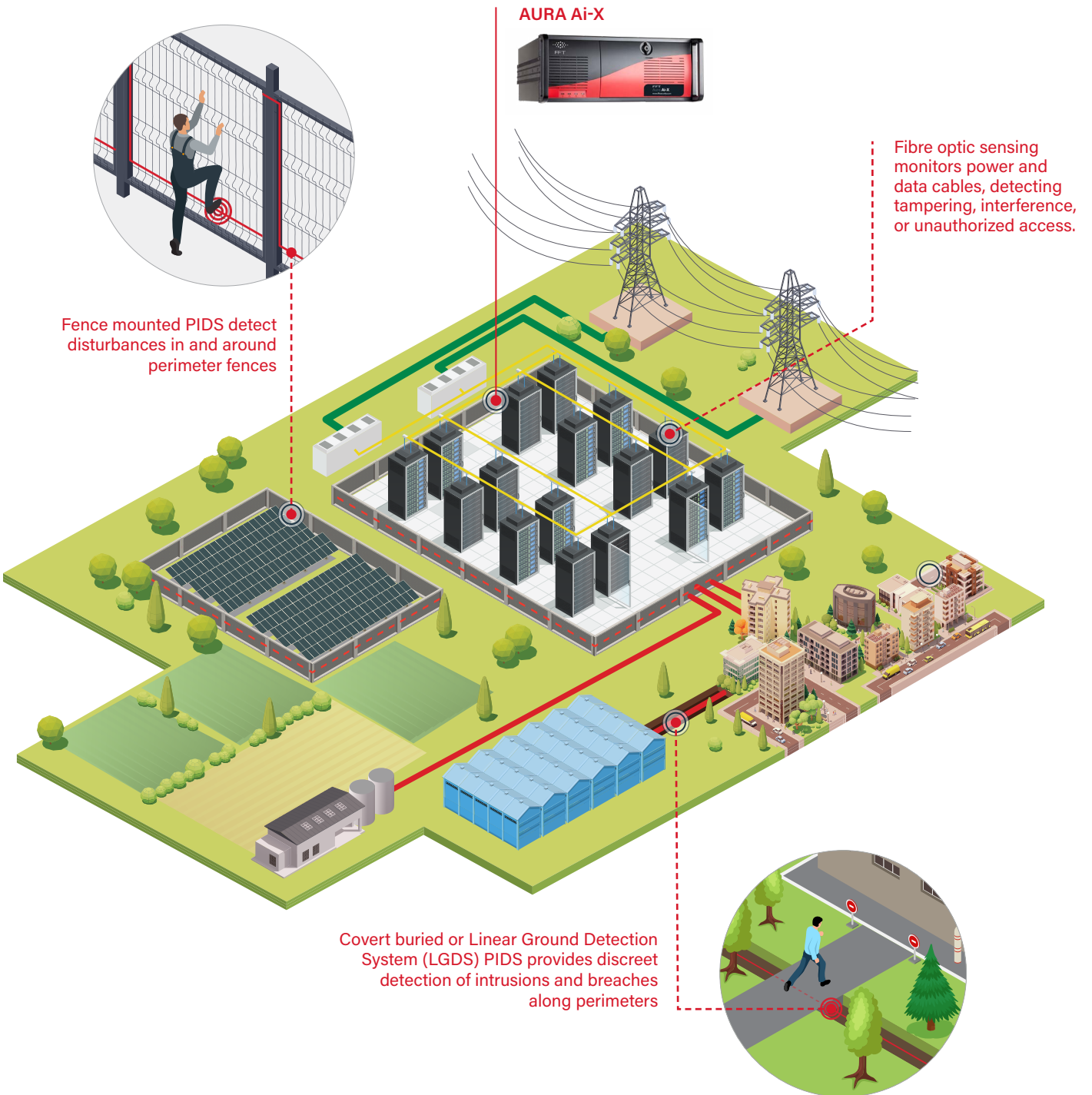
BURIED POWER CABLE MONITORING

DAS fibre 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 and impenetrable defence system for data centers. From perimeter to server room, every layer of protection is designed to reduce risk, prevent downtime, and ensure compliance.



From perimeter to core: How Future Fibre Technologies secures data centres

FFT's DAS (Distributed Acoustic Sensing) based fibre optic sensing technologies offer real-time, location-specific alerts for perimeter breaches, buried infrastructure interference, and data line tapping. It can also be used to monitor the health of critical cables, such as data centre interconnects, alerting operators to issues that could affect uptime.

Seamlessly integrating with existing security systems, FFT solutions deliver reliable detection with minimal false alarms, protecting both physical infrastructure and sensitive data.

PERIMETER INTRUSION PROTECTION

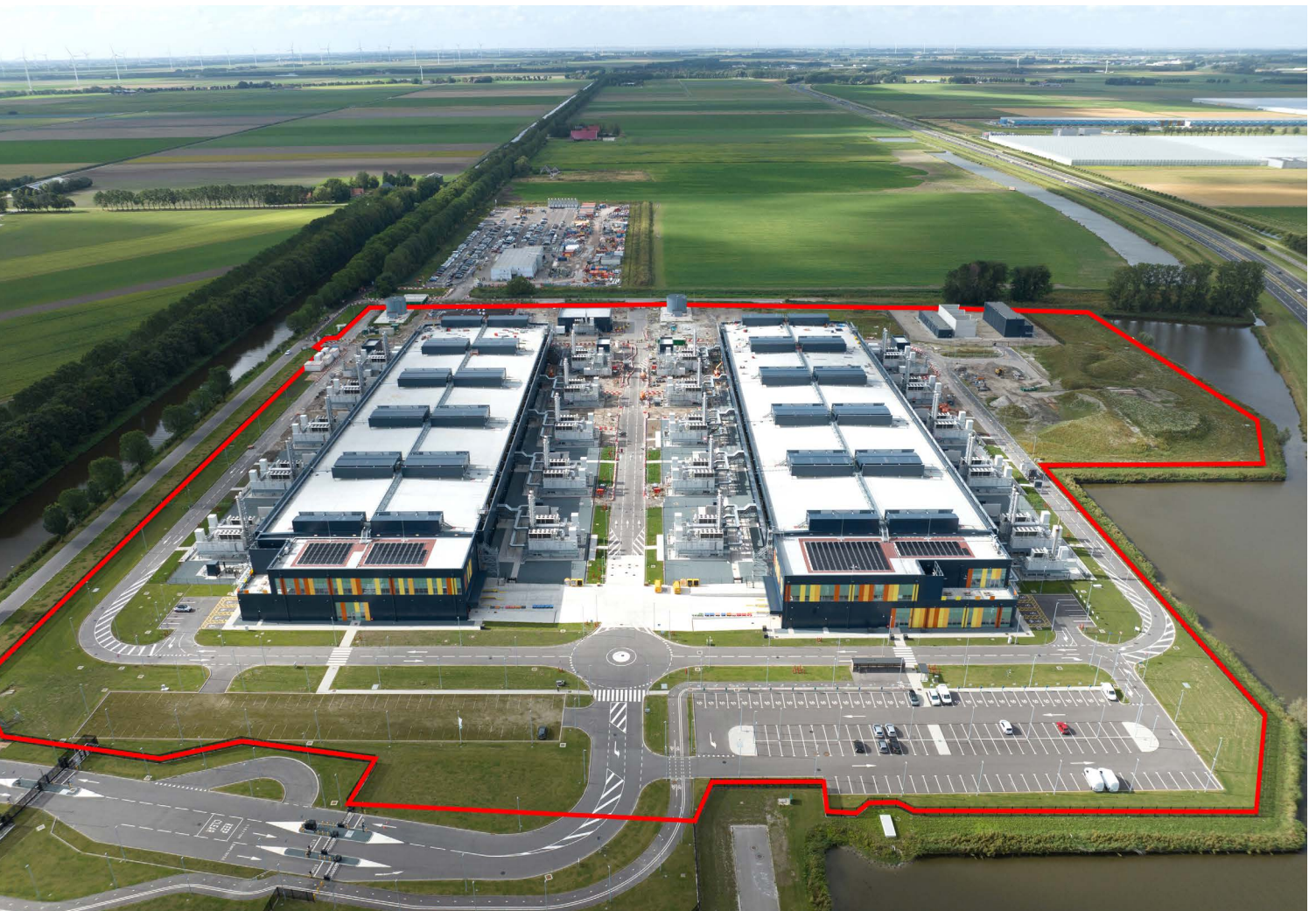
While perimeters can range from 50m to hundreds of kilometres, they require the same level of protection. Whether fence mounted or covert buried, FFT's intrusion detection technology is suitable for data centre perimeters of all sizes, works effectively in all environments and delivers the highest probability of detection with the lowest nuisance alarm rate.

DATA NETWORK PROTECTION

Network management systems typically focus on higher-level network protocols and transactions, only detecting malicious activity based on interface and data flow health. At this point, the damage is already done. Working stand-alone or in conjunction with existing NMS platforms, FFT's data network solution delivers a complete snapshot of physical network security and operational health by monitoring the physical data centre interconnect cables.

BURIED CABLE MONITORING

Power and data cables are subject to a range of threats including copper theft and malicious damage. To make the fast and well-informed decisions needed to protect cable infrastructure, operators require a solution that detects damage at the earliest possible stage. Using DAS-based fibre optic sensing technologies along the cable, tampering, theft and disturbance events can be detected.





Trusted worldwide

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

Honeywell

MC DEAN
BUILDING INTELLIGENCE

SIEMENS

Telstra

NTT

Johnson Controls

NEXTDC

EQUINIX

रक्षा मंत्रालय
MINISTRY OF DEFENCE

Australian Government
Department of Defence

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

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

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

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 and 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 Data Centre today

Contact FFT to discover how our integrated solutions can protect your data centre infrastructure, assets, and uptime.

[FFTSECURITY.COM](https://fftsecurity.com)



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

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