



**FUTURE FIBRE  
TECHNOLOGIES**

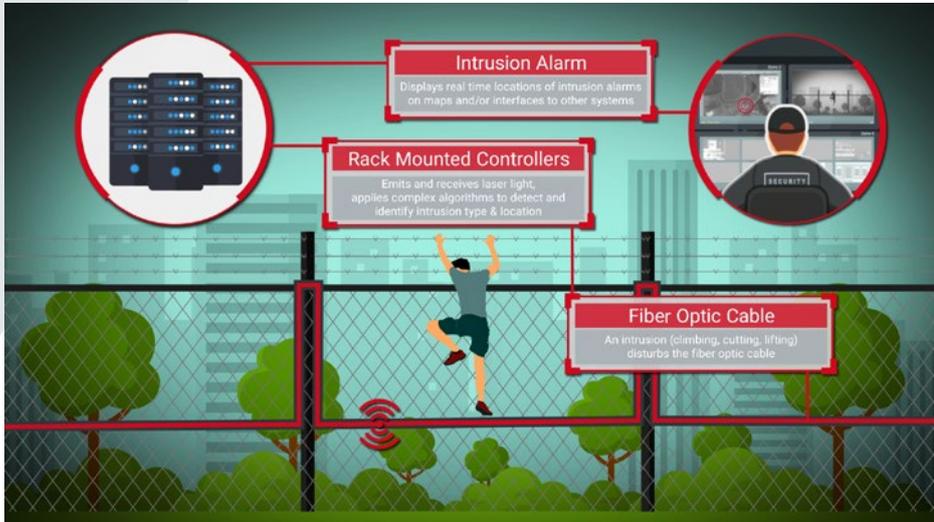
Preferred Partner



# PERIMETER INTRUSION DETECTION SYSTEMS

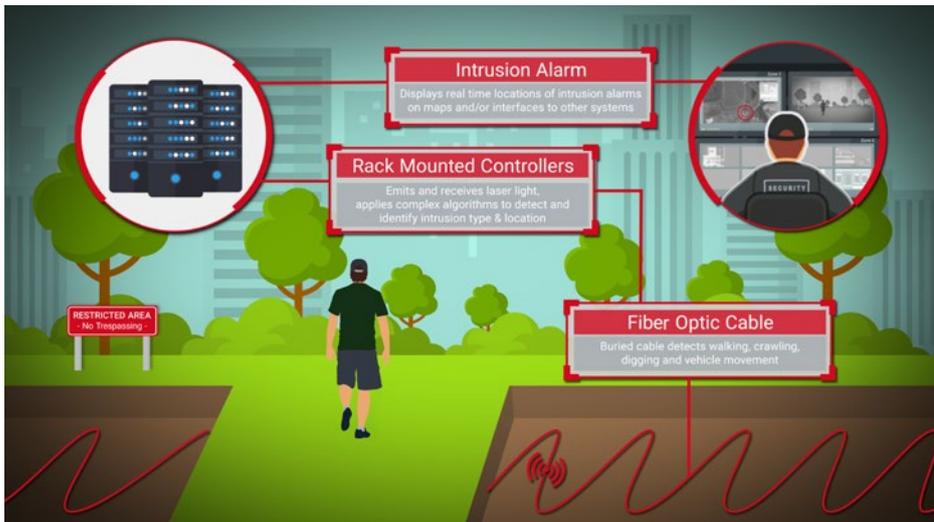
ADVANCED PERIMETER INTRUSION  
DETECTION & LOCATION FROM  
WORLD LEADERS IN FIBRE  
OPTIC TECHNOLOGY

Site security managers have the challenge of protecting their assets from ever increasing threats - with a need for fast, accurate real-time notification of perimeter security breaches. These perimeters range from 50 metres to 500+ kilometres but require the same levels of protection, a high probability of detection with minimal nuisance alarms with a focus on reliability and integration capability. Future Fibre Technologies (FFT) offers a complete range of perimeter intrusion detection products suitable for every site.



## Fence Mounted

Fibre optic cables can be attached to any type of fence to detect and pinpoint the location of disturbances including cutting, climbing and lifting. Utilising advanced signal processing, nuisance alarms can be minimised without compromising intrusion detection sensitivity.



## Covert Buried

Fibre optic cables can also be buried to detect and pinpoint the location of disturbances for sites with limited physical delineation. The cable is laid in a variety of patterns dependent on the performance requirements. FFT Covert buried solution is capable of detecting even the smallest vibration for example walking, crawling, digging or vehicle movement.

FFT's advanced range of fibre optic intrusion detection solutions need no power or electronics in the field, reducing the overall infrastructure costs of a Perimeter Intrusion Detection (PID) solution. Furthermore they are not susceptible to external electromagnetic interference such as RFI/EMI so are suitable for a wide range of sectors including Transportation, Governmental, Residential, Utilities, Oil & Gas and Military.

Fibre optic PID solutions also offer excellent value for money - by utilising high quality optical fibre cable that has an expected lifespan of more than 20 years. In addition, the infrastructure and civils cost are a fraction of that of alternative technologies.

For high security sites, every second counts when it comes to identifying the location of an intruder – FFT's advanced algorithm-driven processing capability can identify an intrusion with an accuracy own to 2 metres on a fenced perimeter up to 80km in length, thereby enabling a swift response. With a full suite of hardware and software and advanced integration capabilities, FFT offers world leading solutions for protecting our clients' perimeters.

## Trust the Experts

FFT has the complete family of fibre optic intrusion detection products, delivering a full range of end-to-end PID solutions for the smallest to the largest sites, and in the most demanding environmental conditions in the world.

Utilising many years of experience FFT has developed market leading products to offer our wide client base peace of mind when it comes to securing their high value assets. With an FFT system, intrusions can be detected and located up to 80km from a single controller on perimeter fences and up to 110km on a covert buried boundary. Multiple controllers can be deployed to protect complex sites and longer distances whilst offering a fully redundant solution.

FFT's Artificial Intelligence (AI) and advanced signal discrimination prevents nuisance alarms, whilst maintaining maximum sensitivity to intrusion events. FFT products work equally well on Chainmesh, Chainlink, Weldmesh and Palisade style fences, as well as covert buried applications.

With a full family of controllers, we have a solution to meet your needs.

## Proven Solutions

A USA Petroleum company required a high level security system including perimeter protection, closed circuit TV surveillance, access control, lighting control and incident recording for one of their refineries located on a headland that is exposed to salt spray and high winds.

The site was designated as critical infrastructure by the US Government due to the importance of its product and potential appeal of the site to terrorist activity.

**"FFT's Secure Fence™ system was selected because it offers the highest levels of detection, it locates the point of intrusion, is simple to install, is cost effective, is intrinsically safe and has an architecture that facilitated the integration of the CCTV systems, lighting controls and other sub-systems." - Client**



Military Bases | Government Facilities | Oil and Gas | Transport  
Utilities | Industrial/Manufacturing | Country Borders | VIP Residences

## Why FFT?

FFT are specialists in the security industry, with a product range built on many years of knowledge and experience solely developing superior fibre optic technology.

With a broad, versatile product portfolio, FFT's solutions are suitable for a wide range of applications, effective for short and long distances.

FFT solutions are not only easy to install but also require minimal maintenance, enabling significant savings year on year and lowering the total cost of ownership.

## Why Ava Group?

Our customers can now access a broader portfolio of security risk management products and services, benefiting from a more holistic approach for market leading security risk management.

With a team of industry experts, the Ava Group offers significant market knowledge and experience across a range of key sectors, ensuring our customers can be assured of the most suitable solution for their needs.

Our prestigious client base demonstrates our commitment to quality, reliability and outstanding customer experiences.

## An Ava Group Company



FFT is an Ava Group Company, a market leader of risk management services and technologies, trusted by some of the most security conscious commercial, industrial, military and government clients in the world.

The Group features a range of complementary solutions including intrusion detection and location for perimeters, pipelines and data networks, biometric and card access control as well as secure international logistics, storage of high value assets and risk consultancy services. Through decades of innovation, the Ava Group continues to build upon a comprehensive portfolio of premium services and technologies for the most complex and demanding markets.

Our business truly serves a global market, with our knowledgeable team spread across six continents, providing market and industry expertise directly to customers. With thousands of sites protected, the Ava Group is proven to deliver first class services and technologies that surpass the expectations of our partners and end users.

## Closer to our Customers

With our highly skilled team spread across six continents we are never far away from our clients. We also run regular training courses in our Ava Group offices and other convenient locations around the world.



● Offices ● Regional Sales and Support Staff

## Contact FFT

For further information please refer to our website or contact our team:

Email: [sales@fftsecurity.com](mailto:sales@fftsecurity.com) | Website: [www.fftsecurity.com](http://www.fftsecurity.com)



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