



High Performance Perimeter Protection

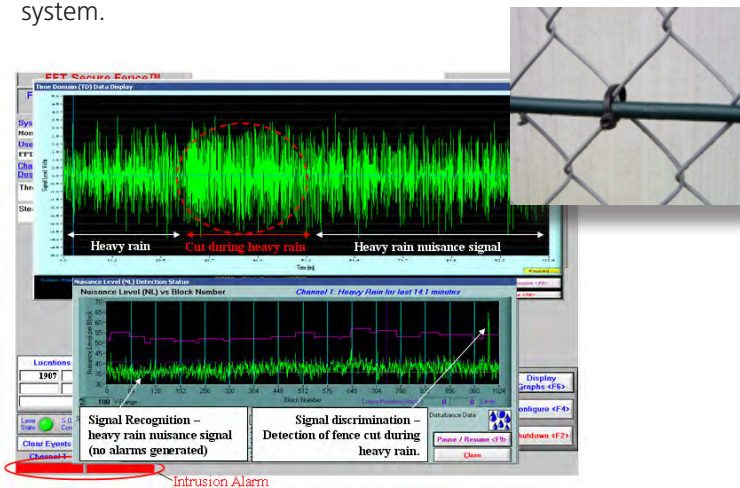
Industrial Automation, Security & Services

Powerless Intrusion Detection with the speed of Light

With an M-H FFT Secure Fence™ system, you can detect and locate intrusions on perimeters and borders that were, until now, always thought to be expensive to protect. The low cost fibre optic sensor cable is easily attached to the fence, pinpointing the location of an intrusion to within 10 metres regardless of the fence length (up to 80km).

How it works

A laser beam is transmitted along a fence mounted sensor cable, and the returned signal is automatically monitored and analyzed by the sensing controller for disturbances on the fence. This returned signal is intelligently processed to minimize false alarms, while still detecting and reacting to the smallest hostile event. The ARaD advanced signal processing eliminates nuisance alarms, without compromising the sensitivity of the system.



There is no power or electronics needed in the field.

Power is only required at the sensing controller which is normally housed within a secure control room. The inactive lead-in cable runs from the sensing controller to the fence line where a start sensor is spliced on and buried in a pit at the base of the fence.

Multiple systems can be networked to monitor longer distances such as country borders. The simple installation, reliability and maintenance free operation delivers the lowest Total Cost of Ownership (TCO) of any long perimeter solution in the market.

Simple to install and operate, the FFT Secure Fence™ system delivers truly outstanding levels of detection and location combined with one of the lowest Nuisance Alarm Rates available. It is maintenance free; operating easily and reliably under a wide

See next page

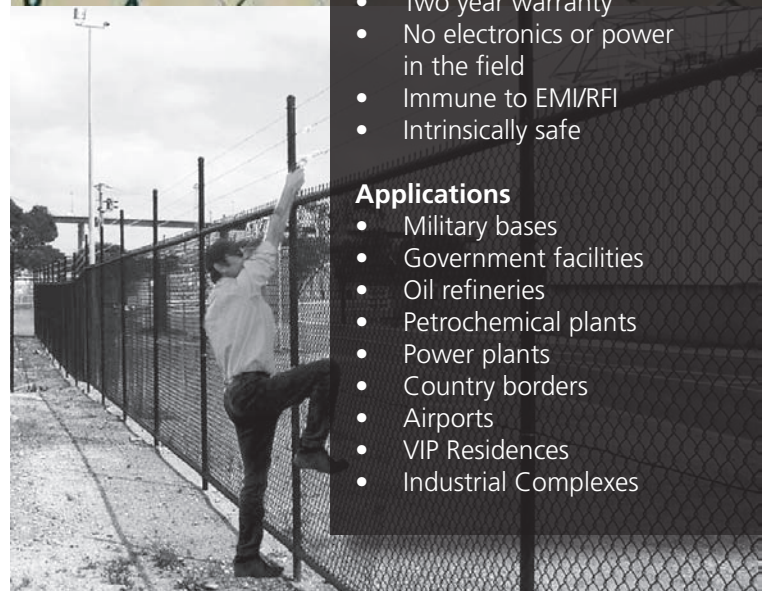


Features

- A single fibre optic system protects up to 80km
- Can locate intrusions to within 10-25 metres
- Two year warranty
- No electronics or power in the field
- Immune to EMI/RFI
- Intrinsically safe

Applications

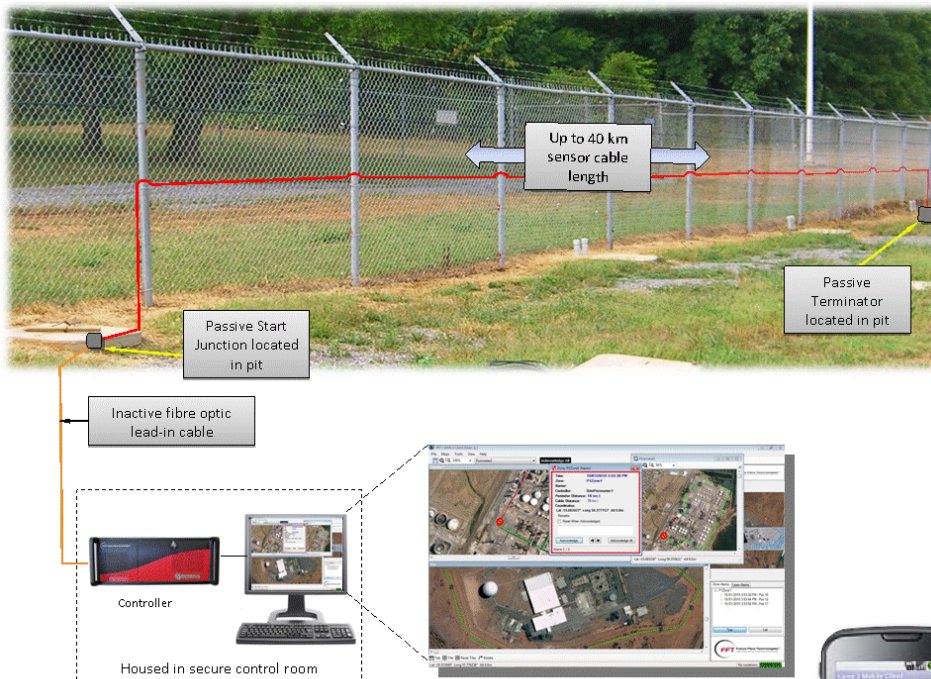
- Military bases
- Government facilities
- Oil refineries
- Petrochemical plants
- Power plants
- Country borders
- Airports
- VIP Residences
- Industrial Complexes





range of operational and environmental conditions – day after day, year after year. At the heart of the system is the intelligence built into the Sensing Controller.

Simple and intuitive to use, FFT Secure Fence™ delivers the precise information your security staff need, combined with the ability to interface and activate CCTV systems, lighting, gates, email, plus a broad range of external devices and systems.



The area or zone where alarms are triggered along with the GPS co-ordinates is instantly displayed onto a sitemap, and the event is automatically logged into a secure database.

Key Benefits

- Know the exact location where an intrusion occurs and where to dispatch security staff to ensure a rapid response, or activate specific CCTV imagery.
- Significant up-front cost savings as only one system is required for perimeters up to 80km long. Secure Fence delivers the lowest installed cost per metre.
- Lowest ongoing Total Cost of Ownership (TCO) as there is no electronics in the field, no power in the field, and it is easy and economical to install or expand. There is no field maintenance, and the fibre optic cable is unaffected by RFI, EMI, lightning or storms. Only the extremely durable and reliable fibre optic cable is out in the field.
- Security staff can have faith in the system as Secure Fence delivers a high POD simultaneously with an low Nuisance Alarm Rate due to the intelligent event discrimination and analysis utilised.

For more detailed information please contact us!

• Industrial Automation & Services

- Data Loggers
- Ethernet I/O and PAC's
- Industrial PC's
- I/O for Allen Bradley
- PC based I/O

• Human/Machine Interfaces & Monitors

- Keyboards & Pointing Devices
- Monitor Mounts
- Monitors
- Operator Terminals

• Data/Telecom & Fiber Optic Systems

- Cabinets & Server Racks
- Cable Management
- Fiber Optic Products (FtTX)
- Hubs, Switches & KVM Solutions
- Identification, Labelling & Tools
- Structured Cabling Systems

• Power Supplies & Power Management

- Flexible Power Distribution
- Power Distribution
- Power Supplies

• Components

- Cable Ties
- Cables, Adaptors & Accessories
- Connectors
- Fans, Boards & Enclosures
- Pillars & Spacers
- Relays, Resistors & Transformers



Mulder-Hardenberg, est. 1927, is the answer to professional demands in the domain of electronic related environments. We don't just sell products. We use our multidiscipline knowledge to provide the best possible solution, designed to your specific interest.

Contact details:

The Netherlands
Mulder-Hardenberg B.V.
Westerhoutpark 1a
2012 JL Haarlem
Tel.: +31 23 531 91 84
infoNL@m-h.biz

Belgium, France, Luxemburg
Mulder-Hardenberg N.V.
Hoge Weg 129
B-2940 Stabroek
Belgium
Tel.: +32 3 660 13 20
infoBE@m-h.biz

Germany
Mulder-Hardenberg GmbH
Nordring 13
D-65719 Hofheim/Ts
Tel.: +49 6192 - 97 91 85
infoDE@m-h.biz