

Detection Technologies

Experts in Protecting Perimeters Worldwide



- **UK based** company founded in 2007
- Specialist designers and manufacturers of electronic **Perimeter Intrusion Detection Systems (PIDS)**
- Key personnel can draw on **75 man-years** of practical experience in design and production of PIDS
- Product portfolio provides a wide range of solutions for perimeter **fence** and **wall applications**
- Detection Technologies secure **private, industrial** and **governmental facilities**
- All products are **produced** and **quality assured** in **UK**



What We Secure



Prisons & Military



Utilities



Industry



Solar Parks













Public Transport



Private Homes

Perimeter Protection Worldwide

	Prisons	Military	Utilities	Industry	Public Transport	Solar Parks	Private Homes
	●	●	●	●		●	●
	●	●	●	●		●	●
	●						
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Our solutions protect hundreds of perimeters worldwide!

Fence Intrusion Detection

VibraTek Plus is an ultrasensitive microphonic sensor. It is installed at the perimeter protection structure to detect breakthrough and climb-over attempts.

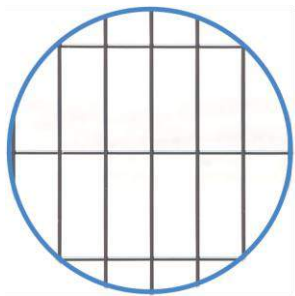
Best-in-class intrusion detection

The **VibraTek Plus** sensor will generate a signal typically 1250 times greater than the background noise. This unmatched signal-to-noise ratio is the reason for an exceptional intrusion detection performance.

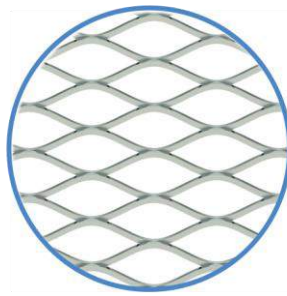
Minimise false alarms

The electrical signal created by the **VibraTek Plus** sensor exactly represents the mechanical energy caused by the intruder so that Detection Technologies' signal processing algorithms reliably differentiate between hostile and non-hostile events.

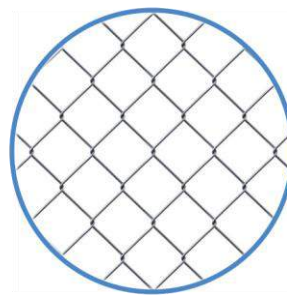
Protects various types of perimeter structures



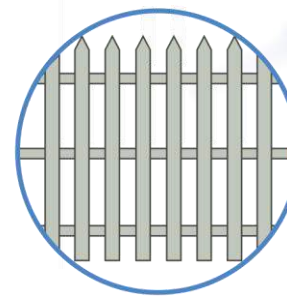
Welded mesh fence



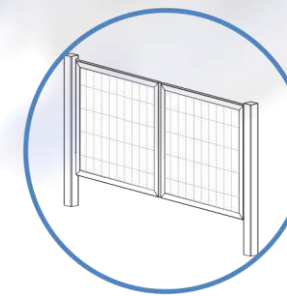
Expanded metal fence



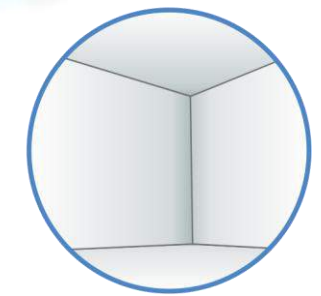
Chain link fence



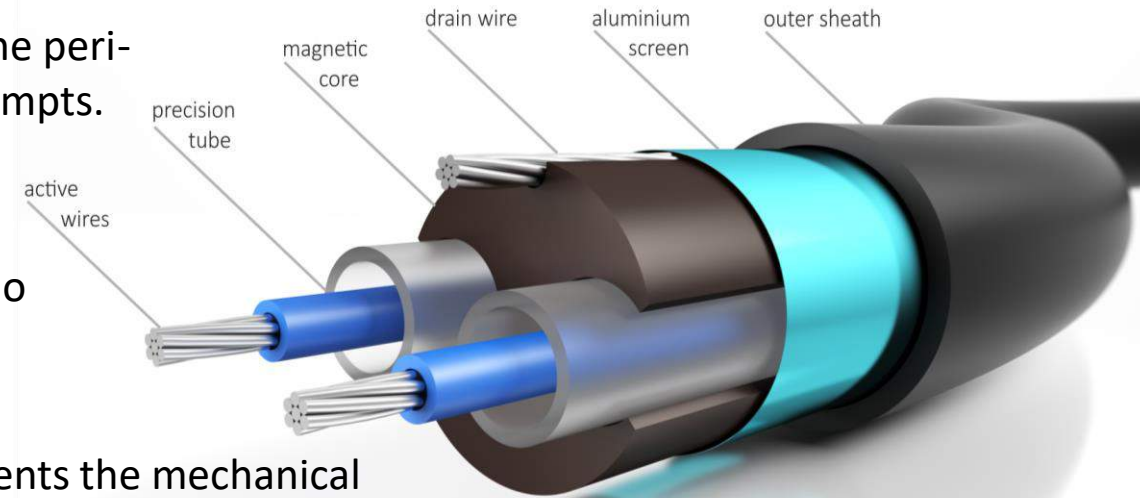
Palisade fence



Doors and gates



Walls, floors and ceilings



VibraFon

- Unique **wall intrusion detection** system
- Detects **climb-over**, **break-through** and **dig-under** attacks
- Can be installed **hidden inside** the wall or at the **surface of the wall** leaving no impact on wall appearance
- **No power** required along wall





Excellent intrusion detection performance!

Over 20 years of industry experience have perfected our detection algorithms so that intrusion related and non-hostile activities are reliably differentiated.



Audio alarm verification!

Our top solutions offer the ability to verify alarms by listening to the recorded audio event that triggered an alarm.



Easy integration with CCTV and 3rd party software!

The integration of Detection Technologies solutions into CCTV and 3rd party products such as security management systems is straightforward.



CPNI approved!

Detection Technologies' solutions have been extensively tested and approved by the UK government. All of the testend products have met the performance requirements required to be used for the protection of governmental infrastructure.

Detection Technologies provides a wide range of perimeter security solutions.

	VibraSector	DuoTek	UnoTek	MikroTek	VibraFon Dual	VibraFon Single
Sensor Type	sensor cable	sensor cable	sensor cable	sensor cable	32 seismic sensors	16 seismic sensors
Protected structure	fence (metal & wood) walls / ceilings (metal) gates	fence (metal & wood) walls / ceilings (metal) gates	fence (metal & wood) walls / ceilings (metal) gates	fence (metal & wood) walls / ceilings (metal) gates	walls (brick) gates	walls (brick) gates
Range with one analyser ¹	up to 1,000m ²	up to 600m ²	up to 300m ²	up to 300m ²	up to 160m	up to 80m
Max. number of alarm zones	98	2	1	1	1	1
System configuration	via software	via software	via software	via rotary knobs	via software	via software
Audio alarm verification	yes	yes	yes	yes	yes	yes
Door / gate detection	yes	yes	yes	yes	yes	yes
Tamper detection	yes	yes	yes	yes	yes	yes
Integration of external contacts (e.g. door or gate contacts)	4	4	2	-	4	2
Ways of integrating into CCTV and management systems	Dry relay contacts: - 1 x global alarm - 1 x global tamper - up to 100 x zone alarm Ethernet: - TCP / IP - UDP	Dry relay contacts: - 2 x zone alarm - 2 x zone tamper	Dry relay contacts: - 1 x zone alarm - 1 x zone tamper	Dry relay contacts: - 1 x zone alarm - 1 x zone tamper	Dry relay contacts: - 2 x zone alarm - 2 x zone tamper	Dry relay contacts: - 1 x zone alarm - 1 x zone tamper
Interfaces	1 x Ethernet (RJ45)	1 x USB	1 x USB		1 x USB	1 x USB

¹analysers can be connected to achieve higher ranges

²depending on the type of perimeter structure

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