RBtec
Perimeter Security Systems

Perimeter Security Systems

Security Solutions and Systems for any type of Environment

Borders

Airports and Seaports

Power infrastructure

Petrochemical plants

Government and Military Sites

Residential / Corporate Complexes

Industrial Parks

Pipeline protection

Our Company - Our Proposal

RBtec have been offering innovative, flexible and effective “PIDS” Perimeter Security Solutions for over 34 years, from Seismic Detectors to Intelligent Optical Fibers for Clients from all over the World.

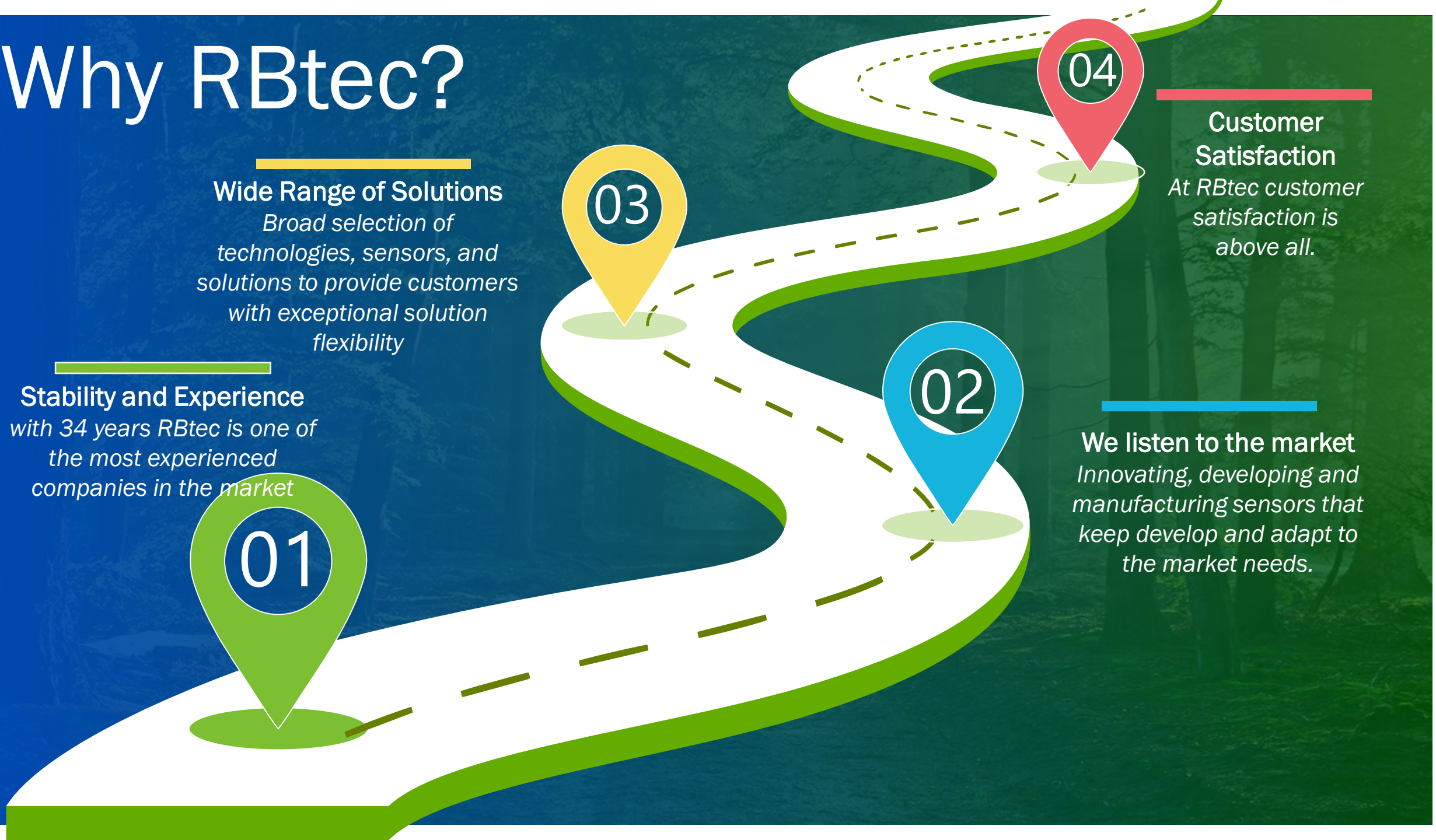
We design effective security systems to protect any critical environment, which are easily adaptable to each need and budget, compromising high levels of satisfaction and compliance.

Our goal is to be able to efficiently solve all kinds of protection requirements, from a Residence to a large international Airport or Solar Energy Park.

We create great alliances with our valuable Clients and Partners, backed by thousands of varied facilities on a Portfolio of complete “Kits”, up to large Systems, all with military standards, ISO9001, among others.

Our business is Your business, based on a "virtuous chain of shared benefits", where the Client obtains the best technologies, implemented by great specialists; in a model where everyone wins!

Why RBtec?



Wide Range of Solutions
Broad selection of technologies, sensors, and solutions to provide customers with exceptional solution flexibility

Stability and Experience
with 34 years RBtec is one of the most experienced companies in the market

Customer Satisfaction
At RBtec customer satisfaction is above all.

We listen to the market
Innovating, developing and manufacturing sensors that keep develop and adapt to the market needs.

A Growing World Presence

RBtec has provided systems for more than 2,500 security projects in more than 35 countries around the world.

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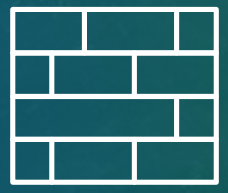
Proven Experience

RBtec has provided systems for more than 2,500 security projects in different facilities such as:

Airports

Explosives Plants
&
Pharmaceutical



Correctional Facilities
&
Jails

Nuclear Stations

Self Storage Facilities
RV & Boat Storage

Remote
Communication Sites

Military and Borders

Petrochemical
Plants & Refineries

Commercial and
Industrial Areas

Luxury Residences
and Facilities

Main Market Segments & Their Solutions

Borders

Airports and Seaports

Power infrastructure

Petrochemical plants

Government and Military Sites

Residential / Corporate Complexes

Industrial Parks

Pipeline protection

RBtec's Main Solutions

Systems and Sensors

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IRONCLAD

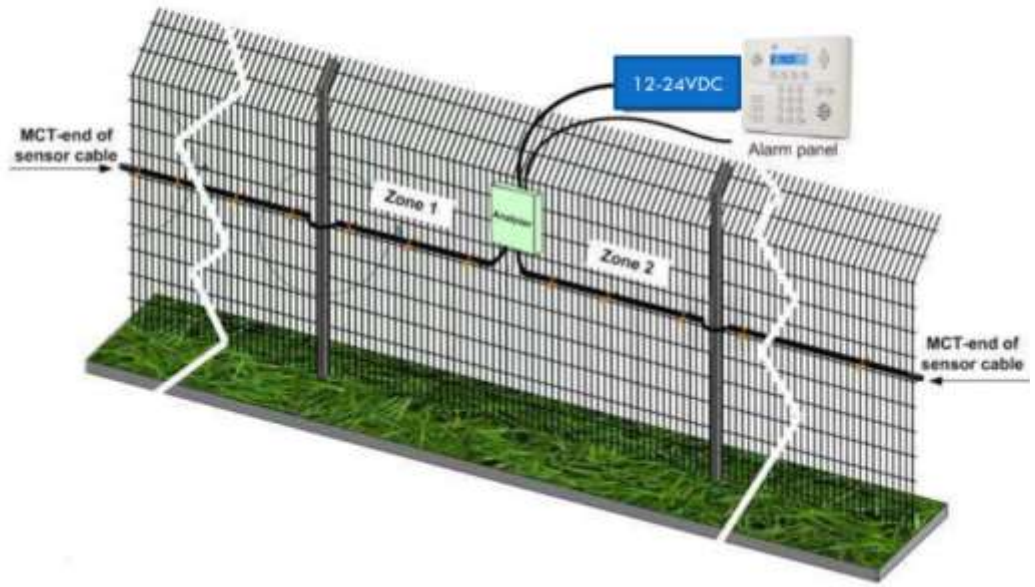
Simple, Reliable and Afforable Perimeter Security

The IRONCLAD is a sensor cable for fences, capable of detecting cuts or climbs

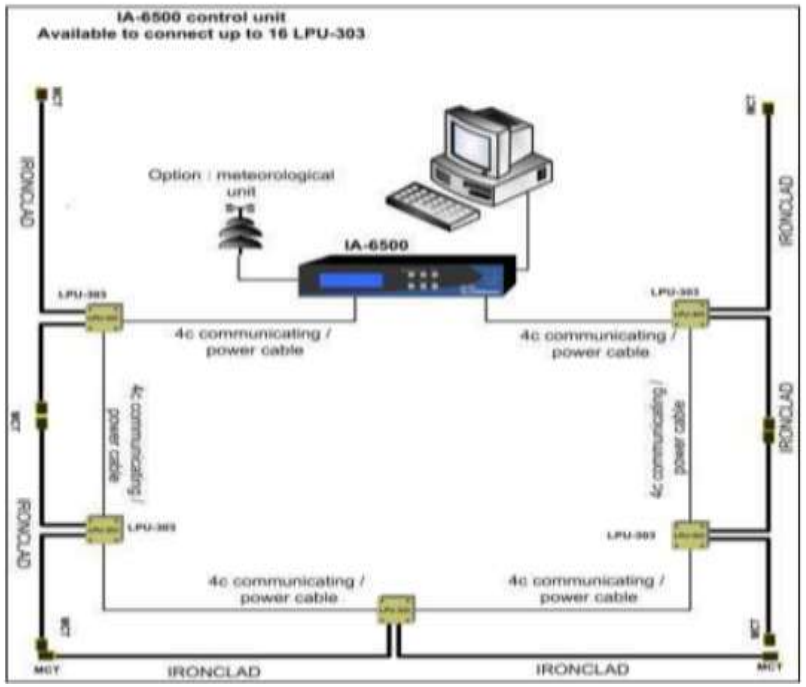
- ✓ Ready for installation by means of accessible kits.
- ✓ 3-layer False Alarm Filter - features an extremely low false alarm rate.
- ✓ No training or special tools required, comes with installation manual.
- ✓ No Calibration - The system self-calibrates.
- ✓ No maintenance needed
- ✓ 22 Levels of sensitivity per zone easily adjusted with dip switches.
- ✓ Dry contact relay outputs (NO or NC), can be connected to any alarm system/DVR.

Two variants of system installation

STANDALONE LAYOUT



IRONCLAD NETWORK LAYOUT



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Packaging options per IRONCLAD kit

Zone number / Zone length	1 Zone	2 Zone System
75m / 250ft	75m / 250ft	75m / 250ft Per zone – 150m / 500ft System
150m / 500ft	150m / 500ft	150m / 500ft Per zone – 300m / 1000ft System
300m / 1000ft	300m / 1000ft	300m / 1000ft Per zone - 600m / 2000ft System

Types of IRONCLAD kits

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EXAMPLES OF IRONCLAD INSTALLATIONS

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RaySense

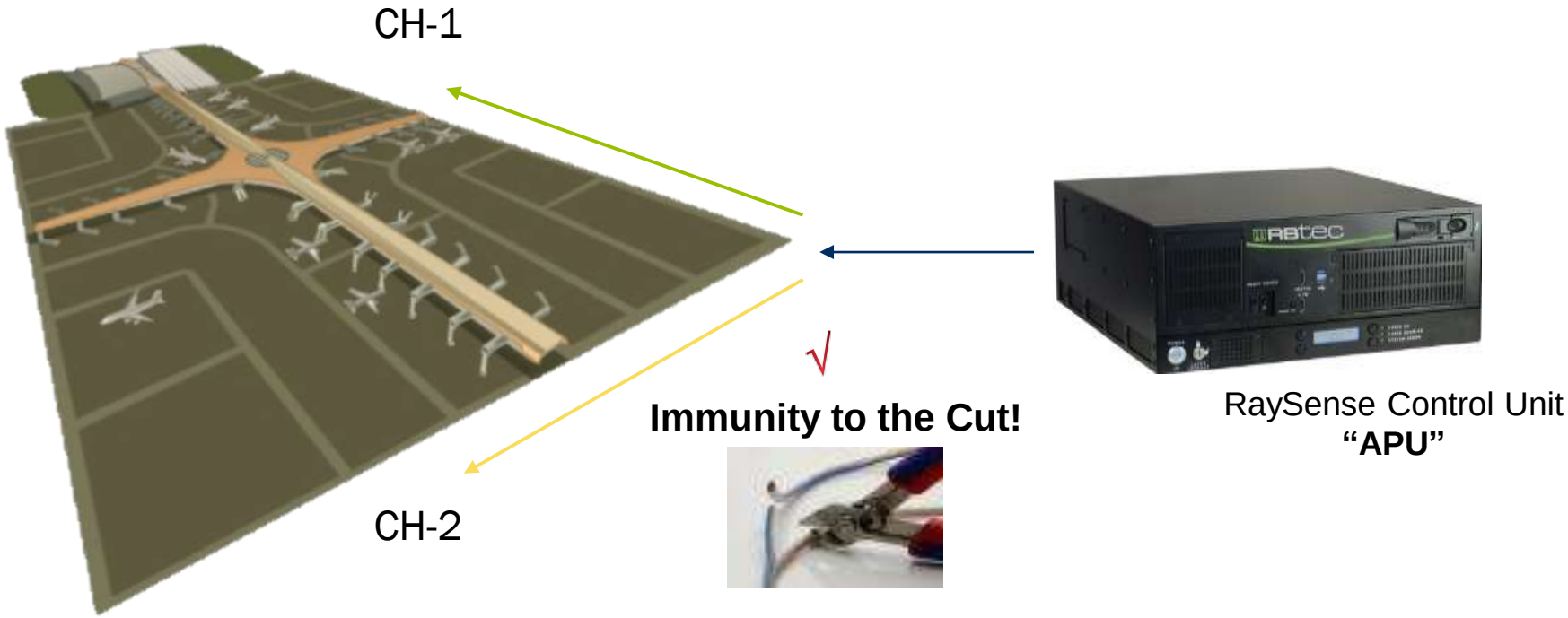
The Intelligent Fence and Ground Fiber Optic Sensor

- ✓ Up to 100km/62miles per processing unit in loop configuration.
- ✓ Sensing standard single mode fiber
- ✓ Distributed Acoustic Sensing (DAS) Technology
- ✓ Up to 50km/31miles per processing unit in straight line configuration.
- ✓ Within 3-20m/10-60ft resolution over the entire perimeter.
- ✓ Signature based detection.
- ✓ Can be used on the fence and underground with same cable and controller.
- ✓ No electronics or power required in the field.
- ✓ IP based Remote control and monitoring – Software based zones.

RaySense Fiber Optic Security Solution

Basic description of the solution

The RaySense System Alarm Processing Unit (APU) monitors laser signals, using sophisticated algorithms to distinguish between each of the possible intrusion scenarios, ruling out “non-threatening” alarms.
RaySense performs automated calibration during power-up and operation, simplifying setup and ensuring high system performance, free of maintenance over time.
RaySense is delivered in two configurations, a single channel or two channels.



Packaging Options

RaySense is sold in different lengths and number of detection channels.

Up to 5km/3.1Miles unit	1 or 2 Channels – Cut immune system	Software Based zones
Up to 10km/6.2Miles unit	1 or 2 Channels – Cut immune system	Software Based zones
Up to 20km/12.4Miles unit	1 or 2 Channels – Cut immune system	Software Based zones
Up to 40km/25Miles unit	1 or 2 Channels – Cut immune system	Software Based zones
Up to 50km/31Miles unit	1 or 2 Channels – Cut immune system	Software Based zones
Up to 50km/31Miles x2 unit	1 or 2 Channels – Cut immune system	Software Based zones

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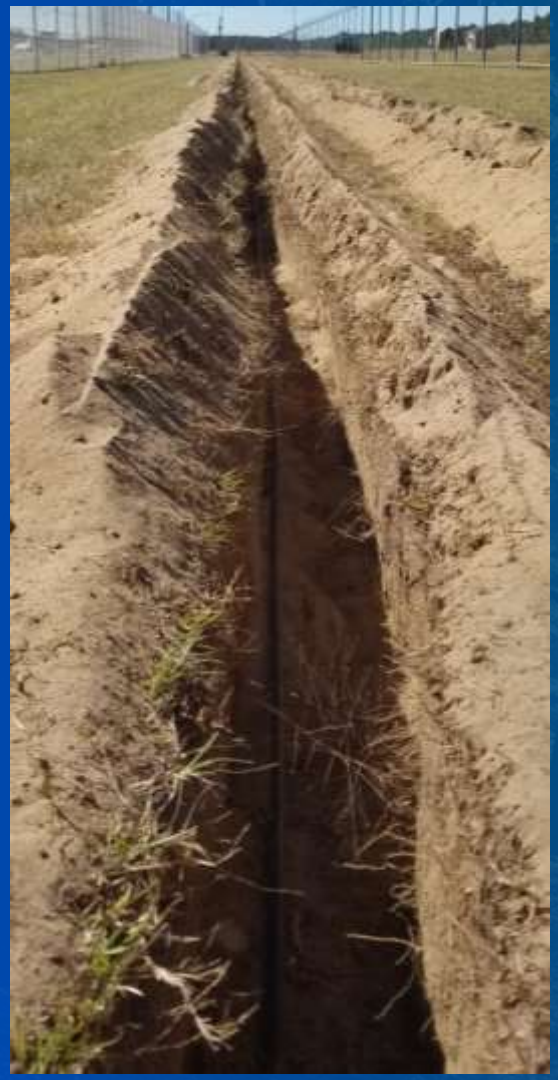
EXAMPLES OF RAYSENSE INSTALLATIONS



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MICALERT

Vibration sensor cable for metal fences

- ✓ Ready for installation by means of accessible kits.
- ✓ 3-layer False Alarm Filter - features an extremely low false alarm rate.
- ✓ No training or special tools required, comes with installation manual.
- ✓ No Calibration - The system self-calibrates.
- ✓ 22 Levels of sensitivity per zone easily adjusted with dip switches.
- ✓ Dry contact relay outputs (NO or NC), can be connected to any alarm system/DVR.

Packaging options per Micalert kit

Zone number / Zone length	1 Zone	2 Zone System
75m / 250ft	75m / 250ft	75m / 250ft Per zone – 150m / 500ft System
150m / 500ft	150m / 500ft	150m / 500ft Per zone – 300m / 1000ft System
300m / 1000ft	300m / 1000ft	300m / 1000ft Per zone - 600m / 2000ft System

Types of MICALERT kits

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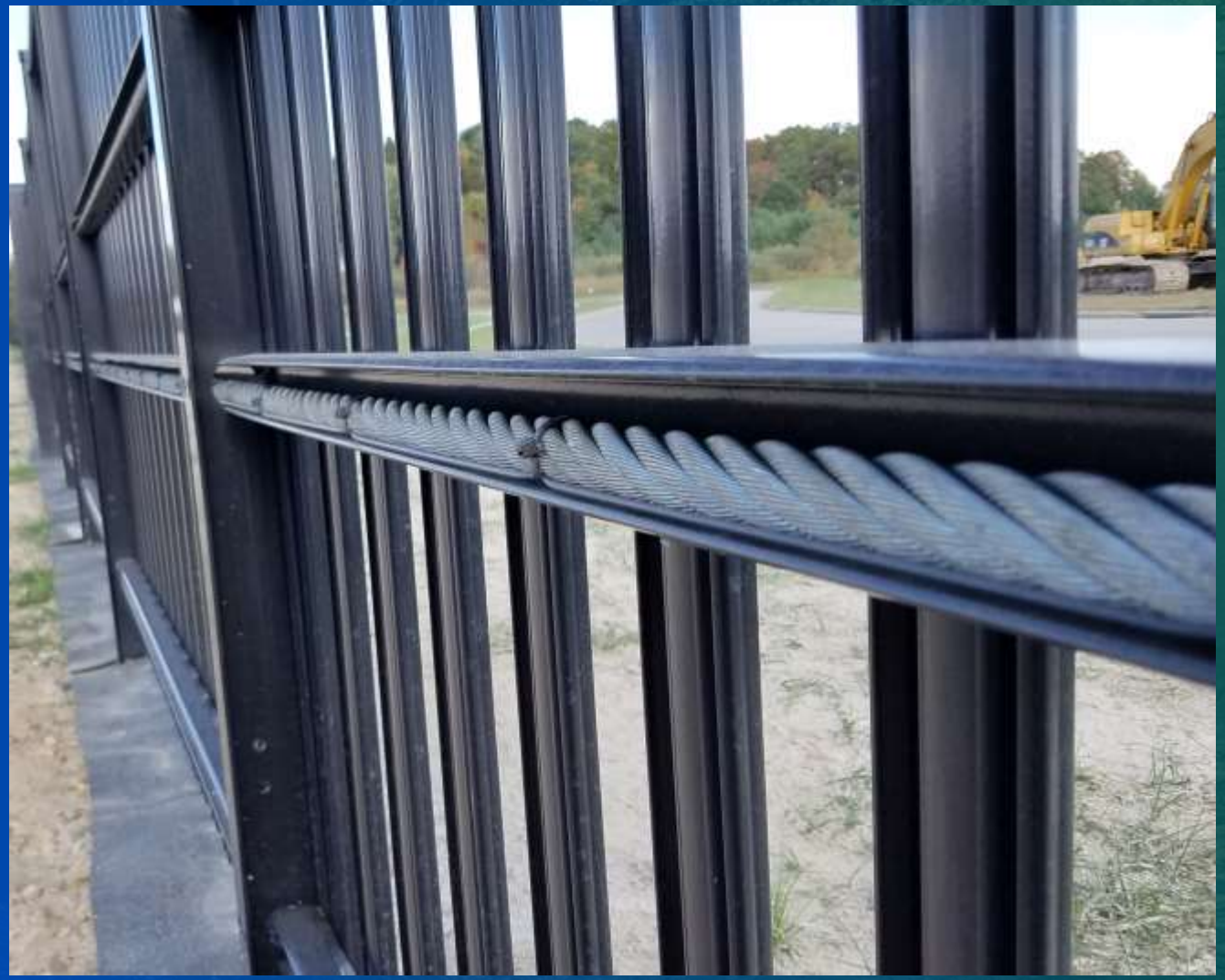
EXAMPLES OF MICALERT INSTALLATIONS



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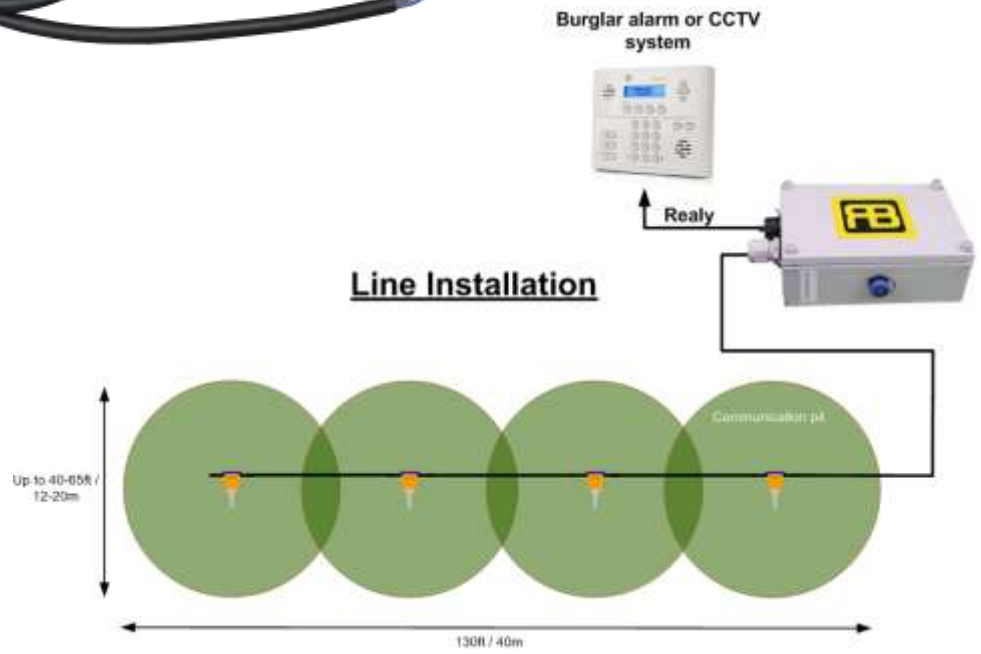
SEISMO

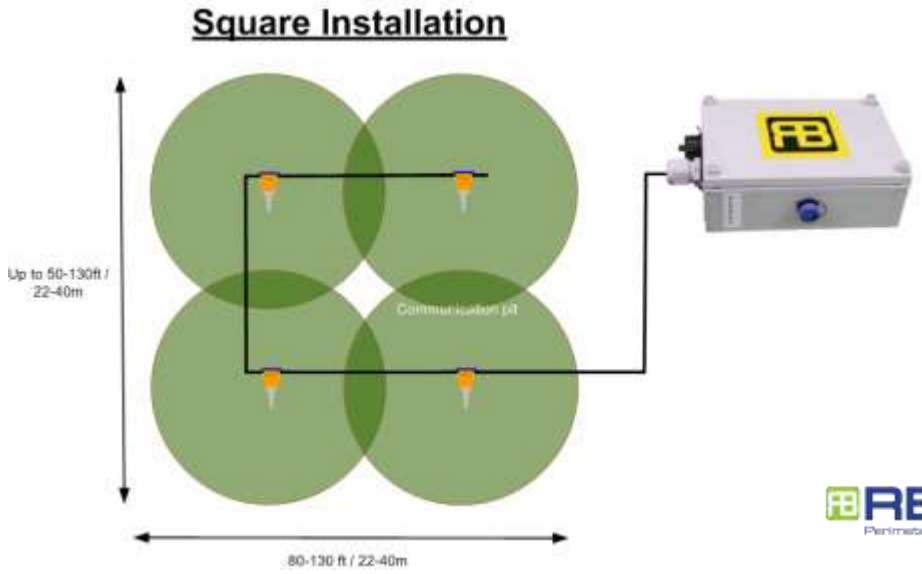
Underground Intrusion Detection Sensor

- ✓ Detection Pattern: Circular (360°) Up To 10m/33ft Per Sensor
- ✓ 4 or 8 Sensors + Analyzer Per System – Up to 40m/130ft Per System and Completely Invisible System
- ✓ Sensitivity Adjustment Per Sensor
- ✓ Plug & Play Installation UGS
- ✓ AI Based Detection Algorithm
- ✓ Connects with Dry Contact Relay to any CCTV or Alarm system
- ✓ Easy to Deploy and Operate, installation in minutes.
- ✓ No Training or Special Tools Needed
- ✓ Event Classification – Steps, Vehicle
- ✓ Standalone or IP Network Versions Play

System Specifications and Design

- Detection pattern: Circular (360°) up to 10m/33ft per sensor
- Power supply: 12 to 48VDC
- Outputs: Dry contact Relay, TCP/IP, Optional wireless.
- Operating temperature: -22f/-30°c – +158f/+70°c
- IP rating: IP67
- Seismic Detector Every 20-32'/6-10m Pre-installed on the cable





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EXAMPLES OF SEISMO INSTALLATIONS

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WallAlert

Vibration sensor cable that protects walls and drywall against impacts caused by intrusions attempts.

- ✓ Ready for installation by means of accessible kits.
- ✓ Attached with a conduit to the wall to detect impact, breaking or cutting of the wall.
- ✓ No training or special tools required, comes with installation manual.
- ✓ No Calibration - The system self-calibrates.
- ✓ 22 Levels of sensitivity per zone easily adjusted with dip switches.
- ✓ Dry contact relay outputs (NO or NC), can be connected to any alarm system/DVR.

Types of WallAlert kits

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Packaging options per WallAlert kit

Zone number / Zone length	1 Zone	2 Zone System
75m / 250ft	75m / 250ft	75m / 250ft Per zone – 150m / 500ft System
150m / 500ft	150m / 500ft	150m / 500ft Per zone – 300m / 1000ft System
300m / 1000ft	300m / 1000ft	300m / 1000ft Per zone - 600m / 2000ft System

EXAMPLES OF WALLALERT INSTALLATIONS

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Thank you!

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