

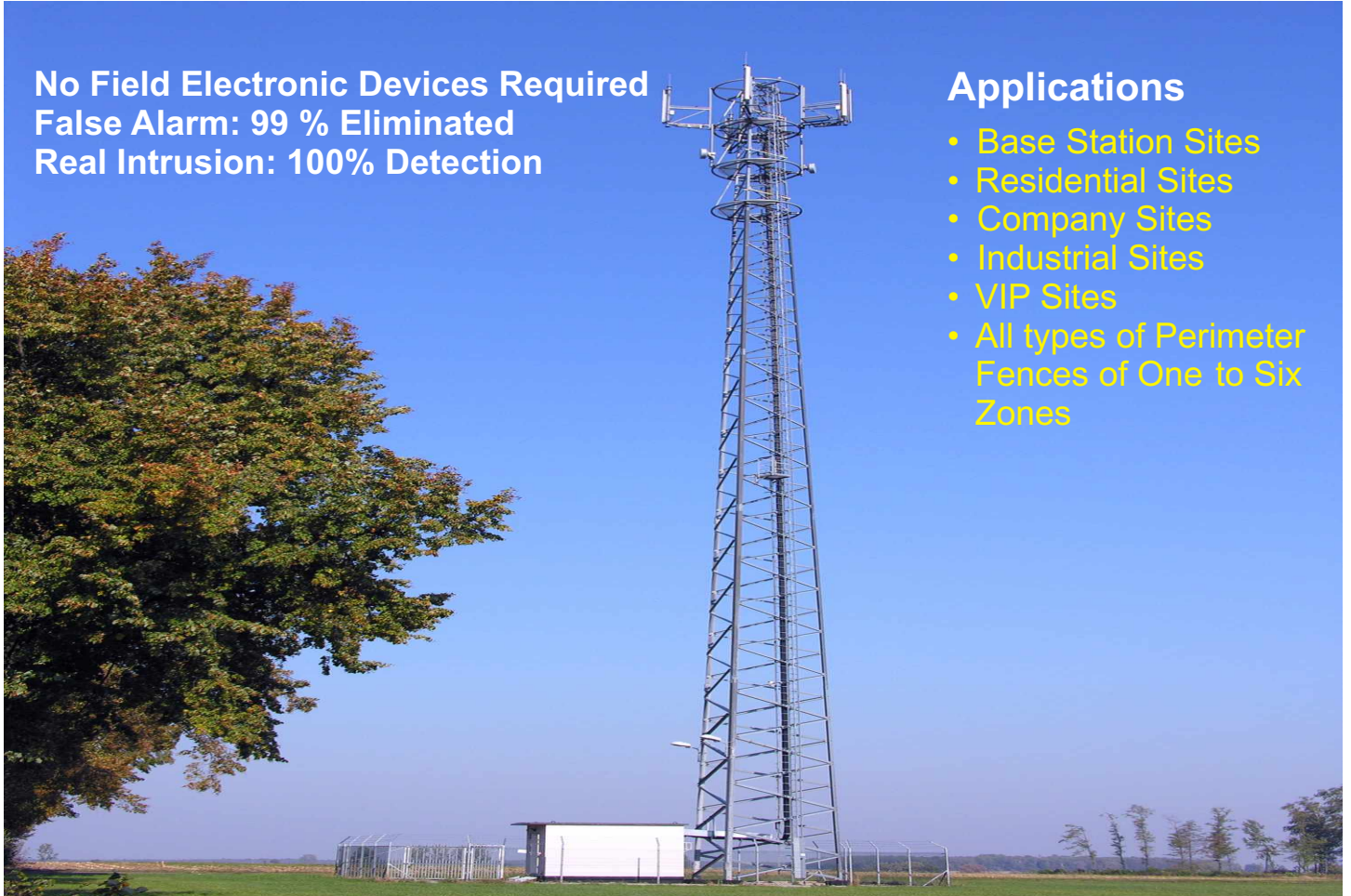
CASSTEL CF-GUARD/35

The No.1 in Fence Intrusion Detection

No Field Electronic Devices Required
False Alarm: 99 % Eliminated
Real Intrusion: 100% Detection

Applications

- Base Station Sites
- Residential Sites
- Company Sites
- Industrial Sites
- VIP Sites
- All types of Perimeter Fences of One to Six Zones



The CF-GUARD/35 is ideal for base station protection

The CF-GUARD/35 is the newest and most authenticated Perimeter Intrusion Detection System (PIDS) from Casstel Technologies. Using a continuously monitored and intrinsically safe, unique sensor cable that is sensitive to vibration, flexing and compression, the CF-Guard/35 solution is designed to protect any form of physical fence barrier.



Casstel Tribo Sensing Cable



Key Benefits

- False alarms are virtually eliminated due to inbuilt intelligent software which tunes the sensing controller to its operational environment so that man made and animal interferences such as passing vehicles, natural vibrations, birds, or wind effects can be easily separated from actual intrusion attempts.
- Early detection and transmission of intrusion attempt makes it possible for the alarm recipients to take immediate action before any serious damage is done.
- The system continuously monitors in real time, any physical disturbances or activity along the protected zones and accurately pin points the exact location of any intrusion.
- The system guarantees a 99 percent probability of intrusion detection.
- Once installed, the CF-GUARD/35 does not require periodic maintenance.
- The system maintains a permanent sensor integrity throughout its life span.
- The systems sensing cable transmits video, voice or data signals. Software outputs (alarms) drive external devices such as matrix switchers, lights, sirens and cameras.
- The product elements carry no inherent chemical particles that could be harmful to humans.
- Resistant to environmental factors such as rain, snow, lightening, hailstone, strong wind, etc.
- Can be used for complex perimeters and for different fence types.

Disturbances detected through the unique Casstel sensor cable is processed in the inherent processing unit that utilises artificial intelligent algorithms to analyse the change of the charges that appear in the sensitive elements laid along the secured perimeter. When a disturbance is registered, alarm will be generated. This also ensures the highest probability of detection whilst ensuring a minimum of nuisance alarms from natural causes.

CF-Guard/35 is factory set to enable rapid installation and commissioning. Application and specific set-up parameters can be adjusted in the field using built-in switches and LED display. If required, CF-GUARD/35 can also be configured and adjusted remotely using the integral serial communications ports and optional software tools.

CF-GUARD/35 is especially useful for integration with third party data collection and management systems. It provides facilities for external alarm threshold adjustment as well as additional input/output for connection of sensors or control devices.

Why CF-GUARD/35 is better than others in the industry



The CF-GUARD/35 has overwhelming advantages over other solutions. With 99 percent accuracy, it can distinguish between real and false alarms better than other solutions.

False or nuisance alarm is drastically reduced or totally eliminated. As shown above, small animals such as rabbits, dogs, snakes, birds, etc, will not cause an alarm for the fact that a force of less than about 15 kg (33 lb.) will not activate the sensors. On the other hand, intruders trying to climb over, cut, crawl under, pass through the fence or tamper with the cable would assert an effort of 6-20 kg. In this case, an alarm would be signalled, the intruder's position immediately detected and invariably accosted.

CF-GUARD/35 is one of the best fence PIDS available in the industry in that its integrated devices are interfaced onto a single system controller. The sensing cables are functionally diverse in areas of usage. It can be mounted on all types of fences such as wire, chain link, welded mesh, razor-type coil, larded wire, wooden fence, steel barrages, etc.

Features

- The system is able to function uninterrupted at divergent and extreme temperatures of -65 to + 70°C
- The solution is passive. In particular installations, it could be hidden from potential intruders
- Resistant to the influences of impulse neutron flux, electromagnetic fields of radar stations and super sharp video impulses of electromagnetic fields
- The system requires no electric power device in the field
- The solution possesses an inbuilt remote control system
- Zoning is achieved by software inputs to the respective site map.

Projects

Iron Fence



The Casstel sensor cables would fit along this iron fence to provide maximum protection with the CF-GUARD/35.

Brick Wall Fence



On prison wall fences, Casstel tribo sensor cables laid on top of the walls would detect any climbing impact on the walls.

Wire Mesh on Iron



The CF-GUARD/35 would give excellent protection and prevention of intrusion through wire mesh on iron fences like the one guarding this embassy grounds.

Brick Wall with Wire Coils



As shown above, Casstel sensor cables could be laid along wire coils to deploy the CF-GUARD/35 for the protection of perimeters.

Wooden Fence



Casstel sensor cables laid along wooden fences such as this, would trigger alarms in case of attempts to climb or brake through the wooden fence.

Wire Mesh Fence



Sensor cables laid along this wire mesh would easily detect attempts to cut or climb the fence.

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