

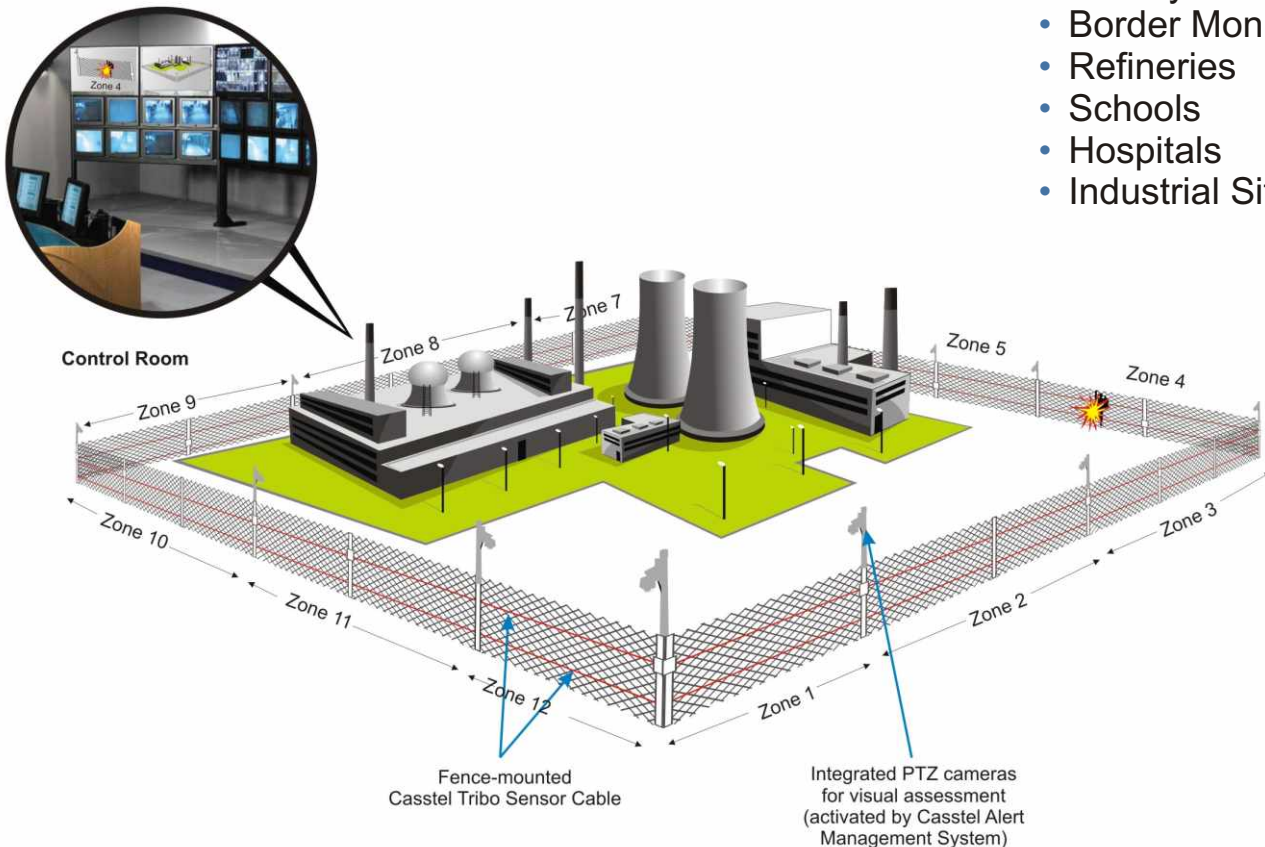


CASSTEL CF-GUARD/135

The World Leader In Multi Zonal Fence Intrusion Detection

Applications

- Airport Security
- Sea Ports
- Military Sites
- Border Monitoring
- Refineries
- Schools
- Hospitals
- Industrial Sites



Precise location of intrusion attempt immediately detected at the control station

The CF-GUARD/135 is built for large and multiple zone perimeter intrusion detection monitoring. The solution comes as a complete package that includes various integrated PIDS elements. It successfully integrates a comprehensive range of detection systems with a range of other security support technologies such as CCTV and access control systems.

The main component of the CF-GUARD/135 system is the Sensing Controller with artificial intelligence built into it. This system generates charges that are transmitted along the sensing cables attached to the fence. The signal that is returned is monitored, filtered and analysed for any disturbances. This returned signal is also intelligently processed to minimize false alarms while still detecting and reacting to the smallest hostile intrusion event.



Key Benefits

- Early detection of intrusion makes it possible for security personnel to take immediate action before any serious damage is done.
- False alarms are virtually eliminated due to the 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.
- 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/135 does not require periodic maintenance.
- The system maintains a permanent sensor intergrity throughout its life span.
- CF-GUARD/135 can be used for complex perimeters and for different fence types.
- The CF-GUARD/135 is very safe and suitable for deployment in hazardous environments. Zoning is achieved by software inputs to the respective site map.
- 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.

Projects

Applicable to different situations and variety of fence types

Airport Project



Sensor cables are attached to the mesh fences in deploying the CF-GUARD/135 for Casstel airport perimeter intrusion detection solution

The CF-GUARD/135 is also suitable for military sites. As in other cases of large perimeter monitoring, we are able to provide advanced wide area surveillance systems for a state of the art perimeter monitoring.

Border Monitoring Project



For border monitoring projects, Casstel sensor cables are laid along the expanse of wire fences.

The CF-GUARD/135 Airport application integrates a combination of surveillance systems mainly detectors, CCTVs, infrared detection, and alert management system all backed up by a radio control room. This system has been specifically developed for airport perimeter monitoring to detect, locate and identify any type of intrusion (climb, cut or spread), even under the most extreme and hostile conditions imaginable.

Military Project

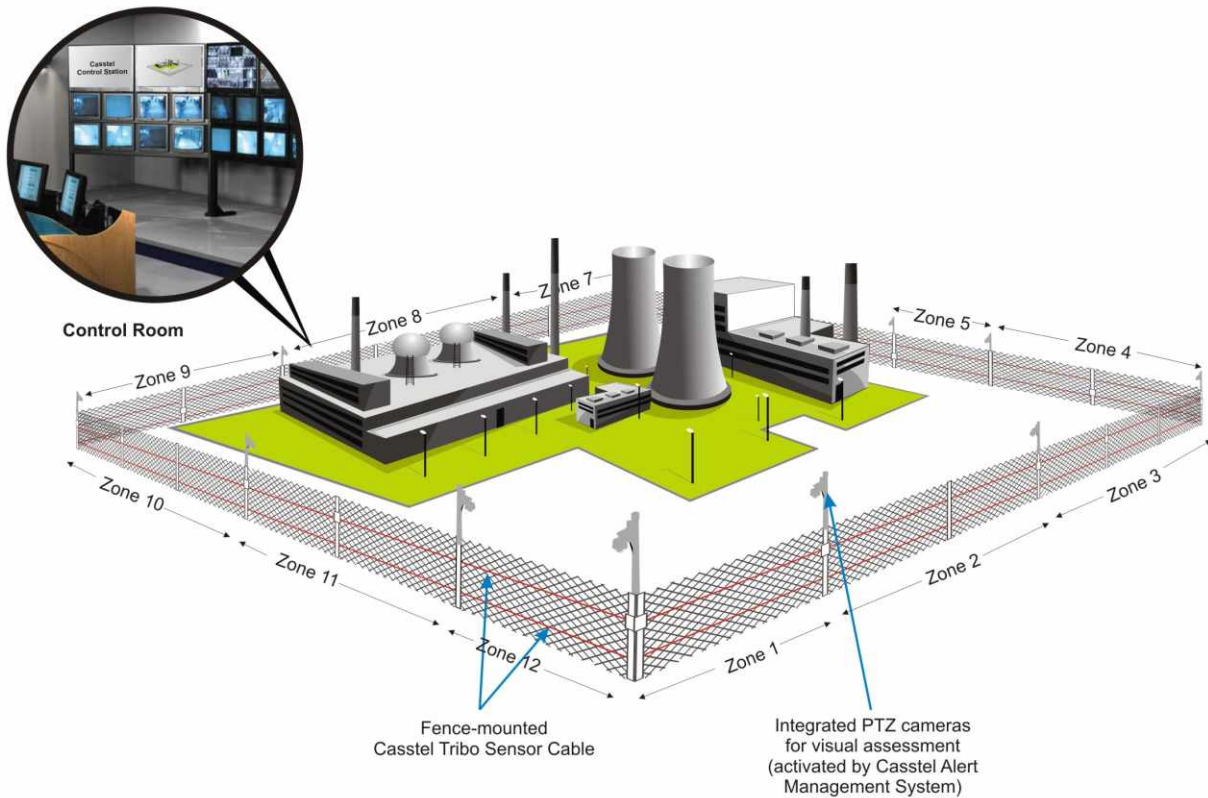


Wire fences surrounding military grounds are integrated with the Casstel sensor cables, which transmit signals to control posts whenever un-allowed attempts at intrusion occur.

Borders, which were earlier considered too expensive to protect from intrusions, can now be protected with a low cost Casstel CF-GUARD/135 fence Protection System. Such long distances can be monitored by networking multiple Systems together.

All encompassing Casstel Perimeter Intrusion Detection Solution

Casstel CF-GUARD/135 systems are very easy and simple to install. Its reliability and maintenance free operation delivers the lowest Total Cost of Ownership (TCO) of any long perimeter solution.



Features

- The system is able to function uninterrupted at divergent and extreme temperatures of -65 to $+70^{\circ}\text{C}$
- 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

Technical Characteristics

- Normal Closed Contact Relay Output
- Signal Processing Unit: Hermetic Ip-55
- Terminal Impedance of Sensitive Element: 200ohm
- Cable Sensor Sensitivity: 500m
- Power Supply needed: 8-35 Volts
- Electric Current Consumption: 1.5mA
- Compatible with any Data Acquisition and Processing System

*Copyright ©2009. All rights reserved. Features and specifications are subject to change by Casstel Technologies without notice.