



Substations, Control and Service Centers

BUSINESS APPLICATION

Your Safety.
Our Business.

Trusted By Critical
Industries Worldwide.



Leader in Perimeter Protection

Innovative Technologies and Industry Firsts to Meet Every Need

- **Fence-mounted detection** with accelerometer-based technology (unique to the industry).
- **Active infrared detection** with barriers (virtual/invisible fencing).
- **Motion detection** to protect critical areas and assets by dual technology sensors.

The more you detect, the more you reduce the risk of intrusion, malicious acts or thefts and increase your ability to protect personnel, property and assets. Perimeter intrusion detection at your site allows for:

- Advanced warning of an intrusion
- Early verification upon receiving an alarm notification
- Early response triggered through the centralized alarm information system

Perimeter intrusion detection is our business. We have developed a wide range of technologies that include wireless and solar powered systems, offering the most innovative solutions in the industry in the protection of critical infrastructure sites.

Experience and Commitment Second to None

- **Guaranteed quality and innovation:** Over 45 years of experience on the leading edge with new solutions based on customer requirements.
- **Tailored service to support** you at every stage of your project.
- **On-site technical support** for engineering, pre-sales support, design assistance and site commissioning.
- **A network of trained installers** and integrators worldwide.

Addressing **Your Needs**

FROM EARLY APPROACH DETECTION TO INTEGRATION WITH YOUR EXISTING ON-SITE SYSTEM

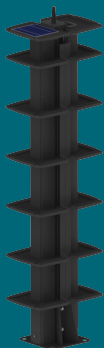
Managing substations and aspects of it is a sensitive and critical operation. Every aspect requires the very best in protection and therefore, the most innovative technologies with virtually zero false alarms while maintaining the highest probability of detection.

YOUR NEEDS

- Eliminates the need for civil works (no wiring, trenching or electrical supply required)
- An alternative to physical fencing
- Rapid installation (once base for towers in place)

OUR TECHNOLOGY

SOLAR-POWERED AND WIRELESS INFRARED BARRIERS



YOUR NEEDS

- Reliable detection and precise location of the intrusion
- Operates in all weather conditions (300 ft. range)

OUR TECHNOLOGY

HARD-WIRED INFRARED BARRIERS WITH ZONING FUNCTION



YOUR NEEDS

- Secures perimeters with existing fence in place
- Adapts to different types of fencing
- Limits amount of infrastructure required
- Rapid deployment/ Easy to install
- Next to zero false alarms in challenging weather conditions

OUR TECHNOLOGY

FENCE MOUNTED INTRUSION DETECTION SYSTEMS



YOUR NEEDS

- Secures gates and gaps
- Protects critical equipment and control houses
- A second layer of defense
- Unmatched false alarm-free performance

OUR TECHNOLOGY

DUAL TECHNOLOGY MOTION SENSORS



Our Security Solutions

FOR YOUR SUBSTATIONS, CONTROL AND SERVICE STATIONS

01

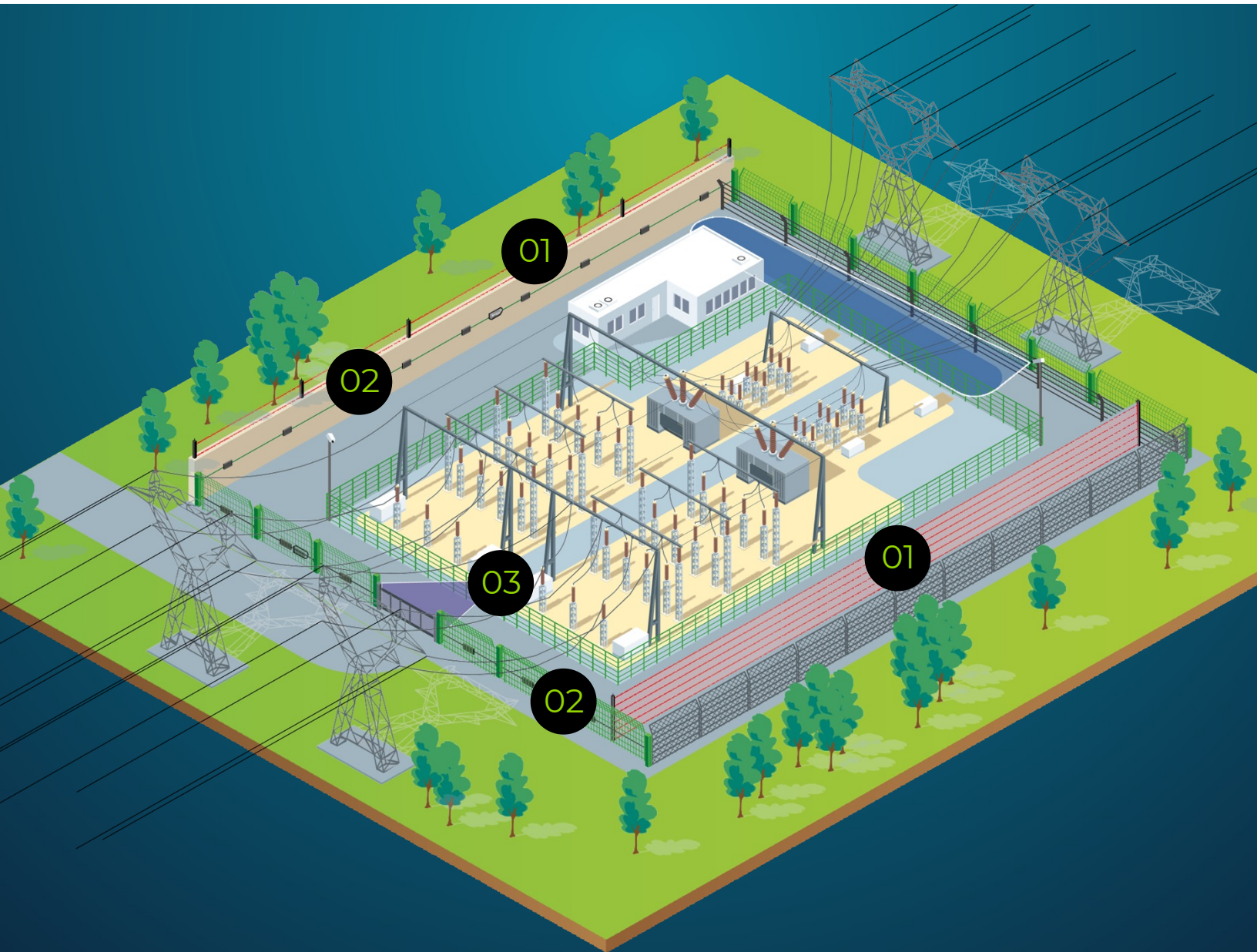
ACTIVE INFRARED
BARRIERS

02

FENCE-MOUNTED DETECTION
(ACCELEROMETER
TECHNOLOGY)

03

DUAL TECHNOLOGY
MOTION SENSORS



For over 45 years, our intrusion detection systems have been protecting critical infrastructure sites in a range of markets. We have developed a wide range of technologies based on our customer's requirements that address the challenges linked to your specific market sector.

We are quickly becoming the preferred choice in perimeter protection due to our false alarm free performance, high probability of detection, ease of installation, the ability to integrate with existing systems, and our service and support.

References

For many years, we have been securing electrical transformer and distribution substations throughout North America and abroad. We have worked with facilities undergoing CIP-014 regulation upgrades to ensure the transport and distribution of electricity is protected to maintain service, while complying to regulations

NORTHWEST ELECTRICAL UTILITY G-FENCE 600Z

Challenge/Requirement

- Previous generation technology had high nuisance alarm rates
- Security Operation Center (SOC) needed reliable intrusion events to eliminate false alarms

Solution

- G-Fence 600z (12VDC powered) eliminated false alarms and maintained high probability of detection
- Relay output for zones into Access Control, VMS or Alarm Panel Integration

Benefits and Results

- Unmatched Probability of Detection
- Multiple detection zones

NATIONWIDE APPLICATION PIRAMID XL2

Solution

- Dual-technology sensor protects critical assets, control houses, gates, gaps
- Offers a second layer of defense for utilities
- Delivers false alarm-free performance in all weather conditions
- Robust metal housing for peak performance in all environmental conditions

WESTERN ELECTRICAL UTILITY SOLARIS

Challenge/Requirement

- Required a zero-infrastructure solution (no trenching)
- Application and design assistance required

Solution

- SOLARIS solar-powered infrared barriers required no civil engineering
- Battery back-up and wireless communication with AES 256 encryption

Benefits and Results

- Fast and easy installation of systems
- On-site commissioning and training provided
- Design assistance built into the project
- One manufacturer with many solutions for different needs

SOUTHWEST ELECTRICAL UTILITY MAXIRIS

Challenge/Requirement

- Required harsh desert environment, extreme temperature solution
- Needed to eliminate nuisance and false alarms from older generation technology

- Company's False Alarm Reduction Program required search for new alternatives

Solution

- To test performance by deploying at a few lower tier sites
- Maxiris Active Infrared Barriers chosen for high security and critical infrastructure sites

Benefits and Results

- Unmatched Probability of Detection with extremely low to non-existent nuisance alarms in all weather conditions
- Zero gaps of detection inside IR Barrier
- Eliminated need for real-estate inside perimeter
- Multiple detection zones for improved camera functionality
- Standardized as primary perimeter detection system for all high security sites

SOUTHEASTERN UTILITY MIRIS

Challenge/Requirement

- Utility was experiencing poor performance of its video analytics solution which was being used as the primary alarm system at substations
- Required a technology that could drive their existing camera system
- Utility didn't want to lose its initial investment in video analytics

Solution

- Miris Active Infrared Barriers inside the fence of substations using relay outputs through SCADA system
- Integration of technology with existing investment in cameras and video analytics

Benefits and Results

- Utility standardized on MIRIS technology and is deploying at all substations
- No loss of investment in existing video analytics technology
- Eliminated false alarm issues previously faced

MIDWEST ENERGY GROUP G-FENCE 3000

Challenge/Requirement

- Multiple types of fences on-site (chain-link, anti-climb and decorative)
- Application and design assistance required
- Needed high probability of detection

Solution

- G-Fence 3000 - solar powered (with battery back-up) fence-mounted accelerometer sensors to detect intrusions of climbing, cutting, stripping or lifting the fence.
- Accelerometer technology is individually adjustable (by sensor - every 10 feet) and conforms to all fence types

Benefits and Results

- Deployed multiple solutions for different requirements
- Fast and easy installation of systems
- On-site commissioning and training provided
- Design assistance built into the project



Substations, Control and Service Centers

hirschsecure.com

sales@hirschsecure.com | +1 888-809-8880

Trusted By Critical
Industries Worldwide.