



Nuclear Energy Facilities

BUSINESS APPLICATION

Your Safety.
Our Business.

Trusted By Critical
Industries Worldwide.



USAF Approved for PL-1 sites – Nuclear and Below

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.

Nuclear energy facilities are among the most heavily regulated and protected sites in North America, yet vulnerabilities still exist—especially in the owner-controlled and spent fuel storage areas. Hirsch delivers a multi-layered perimeter intrusion detection approach that integrates seamlessly with existing access control systems. Our advantages include:

- Meets NRC Regulatory Standards for perimeter protection.
- Tested and Approved by Sandia Laboratories, DOE, and the US Air Force.
- Minimal False Alarms: Highly reliable detection with low maintenance.

Perimeter intrusion detection is our business. We have developed a multi-layer approach to security so that every part of the perimeter is protected. We work closely with nuclear security decision makers to ensure the most robust perimeter intrusion detection system is deployed.

Our multiple technology barriers, fence-mounted detection and dual technology sensors give advance warning of threats and attacks to first responders at the owner controlled, spent fuel and protected areas of a site.

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

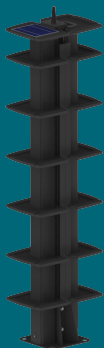
Managing a nuclear site and aspects of it is a sensitive and critical operation. Every aspect requires the very best in protection and therefore, the most innovative technologies with virtually zero false alarms while maintaining the highest probability of detection.

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)
- Triple technology available combines:
 - Active Infrared
 - Microwave Barrier
 - Dual Technology

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





Nuclear Energy Facilities

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