

Sensor Test & Evaluation Center



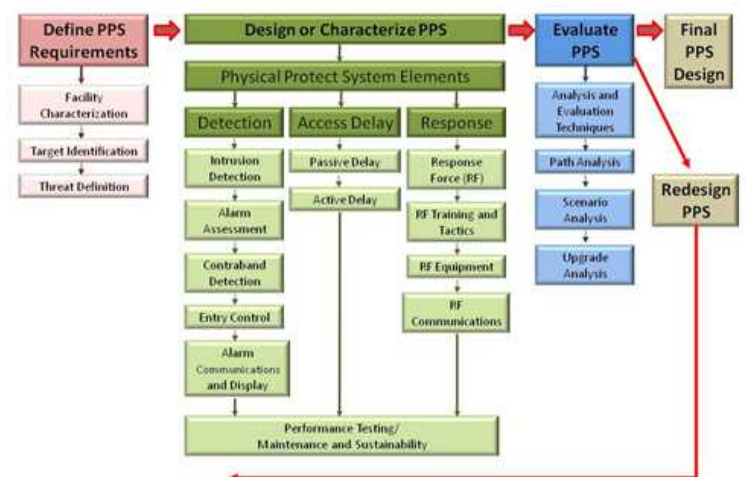
Description

The Robotic & Security Systems Department at Sandia National Laboratories provides state-of-the-art physical security solutions that support our Nation's highest security requirements, including interior intrusion detection, exterior intrusion detection, and alarm assessment technologies, with a focus on performance testing, technology evaluation, vulnerability assessment, design, development, installation, and training.

The department maintains a unique test bed and development facilities that allow Sandia to provide simulation of other site's security facilities.

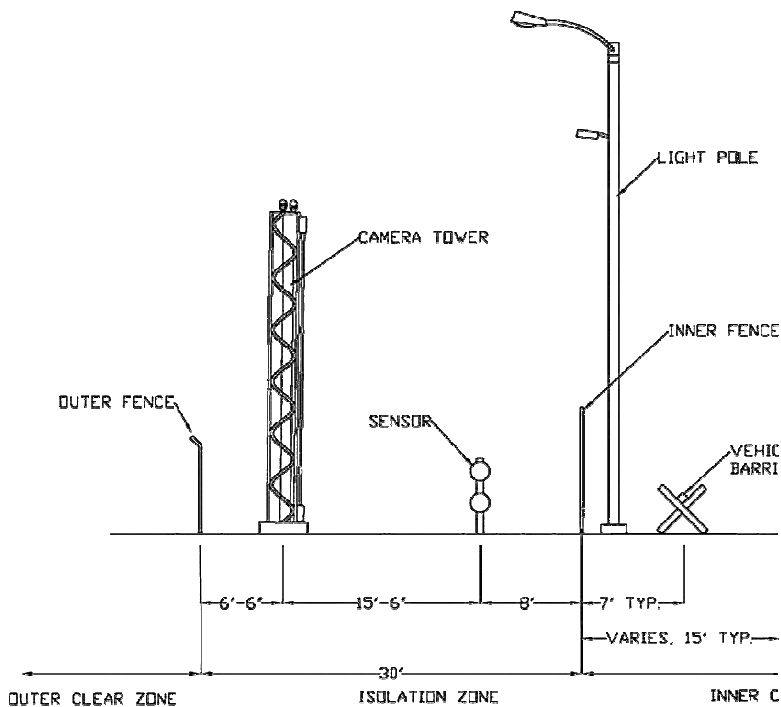
We use our capabilities to:

- Design and install physical protection systems
- Test and evaluate physical protection systems for specific customers at the component and system level
- Provide unparalleled expertise in the interest of *National Security*



Test and Evaluation Process

Design



Sensors (to name a few)

- Electric Field
- Ported Coax
- Fence Disturbance
 - Fiber Optic
 - Other Technologies
- Microwave Transmission
- Radar
- Infrared
 - Passive
 - Active
- Taut Wire
 - Mechanical
 - Strain Gauge
- Video Motion Detection

Training

Experienced instructors provide classroom and hands-on training of physical protection systems methodologies and systems.

Our classes include:

- International Training Course
- Regional Training Course
- DEPO Fundamentals
- Advanced Detection Technology
- Vulnerability Analysis for Sensors
- Others

Projects

- Physical protection system:
 - Design
 - Consulting
 - Installation
 - Testing
- Virtual Presence and Extended Defense (VPED) systems for federal government applications and military bases
- Perimeter assessments and extended detection
- Video assessment center design

Customers

- DoD
 - U.S. Navy
 - U.S. Air Force
 - SOCOM
- DOE
 - NTS
 - LANL
 - Pantex Facility
- Nuclear Regulatory Commission
- Commercial Industry
- International Sponsors



Contact Information

ISRC@sandia.gov

Subject: Sensor Test and Evaluation Center
Intelligent Systems, Robotics, and Cybernetics
Sandia National Laboratories