PERSEC TECHNOLOGIES.

PSM PERIMETER MANAGEMENT SOFTWARE

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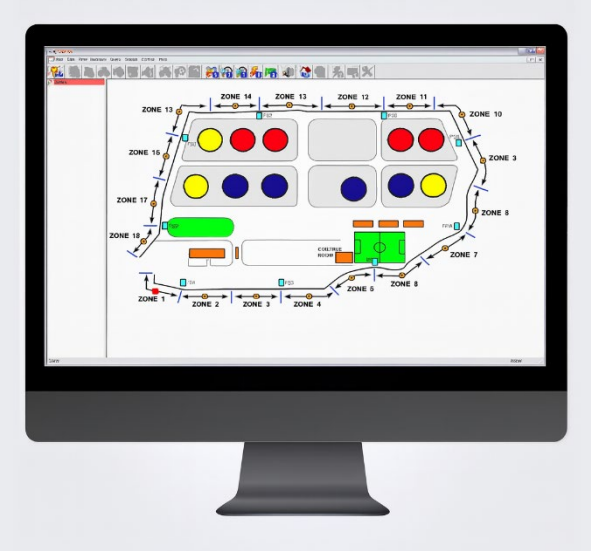

Overview

PSM Perimeter Security Management Software is a modular, PC-based Security Management System designed for centralized control of Persec PSM Smart Microphonic Cable analyzers and associated alarm devices. It provides real-time visualization of microphonic zones installed on fences, walls, and buried lines, along with alarm handling, calibration tools, and event reporting. The software supports a wide range of site sizes, from compact industrial yards to extended critical infrastructure perimeters, and can Persec be deployed in standalone or multi-workstation configurations.

Applications

Suitable for projects ranging from small facilities to large critical-infrastructure sites, including:

- ✓ Fenced and walled perimeters requiring instant intrusion detection
- ✓ Buried detection along multiple zones or open areas where visible sensors are not desired
- ✓ Refineries, petrochemical plants, and industrial sites
- ✓ Logistics yards, warehouses, and storage facilities
- ✓ Power plants, utilities, data centers, and government compounds
- ✓ Farms, Zoos, factories, and buildings with security requirements

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Key Features

✓ All-in-one monitoring interface

- Unified platform for all PSM analyzers and microphonic zones
- Centralized supervision and configuration of multiple sites or segments

✓ Zone-based visualization on maps

- The perimeter is logically divided into multiple zones
- Each zone is shown on detailed site maps (perimeter fence or structure mounted or buried sections)
- Zones change color and status when alarms or faults occur

✓ Microphonic zone configuration and tuning

- Independent sensitivity and threshold settings per zone
- Calibration tools to adapt to perimeter fence type, wall structure, or buried conditions
- Support for different detection profiles (cut, climb, mechanical attack, digging, footsteps)

✓ Alarm handling and event management

- Real-time alarm windows with zone, time, and event type
- “Acknowledge” and “Reset” procedures for operator response
- Priority handling when multiple alarms take place simultaneously
- Alarm history database with search, filters, export, and printable reports

✓ Alarm Control Units (ACUs)

- 8 or 16 alarm inputs and 8 or 16 Programmable alarm outputs per ACU Outputs can be grouped (sirens, projectors, warning lights, PA, etc.)
- Timed outputs for automatic activation and deactivation
- Flexible logic for linking microphonic alarms to external devices like sirens, lights, sensors, CCTV cameras, access control system

✓ User and access management

- Different user levels with dedicated permissions
- Operator action logging for audits and incident review

System Integration and Architecture

✓ Communication and connectivity

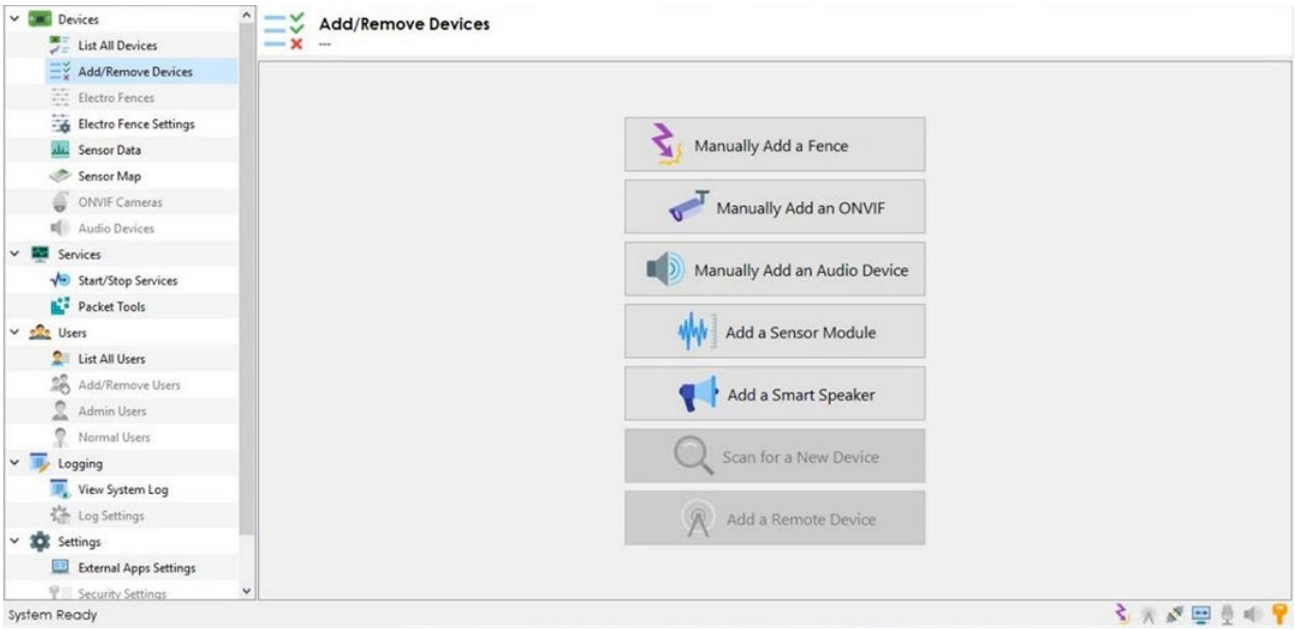
- Standardized via TCP/IP and RS-485
- Connection to multiple PSM analyzers distributed along the perimeter

✓ Supported topologies

- Standalone: one control room PC with local analyzers
- Distributed: several analyzers across large perimeters connected over LAN/WAN
- Centralized: multiple sites reporting back to a single main control room

✓ Integration with third-party systems

- Integration via dry-contact inputs/outputs for external alarm systems with other security devices and systems like CCTV cameras, sensors, access control systems
- Can trigger CCTV recording, horn sound, area lighting, or access control actions



Technical Summary

- ✓ Platform: PC-based management software (Windows environment)
- ✓ Communication: TCP/IP, RS-485
- ✓ Supported devices: PSM microphonic analyzers, Alarm Control Units (ACUs), I/O devices, CCTV cameras, access control
- ✓ Zones: Multi-zone; supports numerous microphonic zones per site
- ✓ Core functions:
    - Map-based zone visualization
    - Sensitivity and threshold configuration per zone
    - Alarm handling, logging, and reporting
    - I/O management and automation
    - User and operator management

Highlights

- ✓ All-in-one platform: Central software for all PSM microphonic cable devices and related alarms
- ✓ High detection performance: Proper tuning tools to minimize false alarms while maintaining high sensitivity
- ✓ Flexible deployment: Works from simple single-site systems to complex multi-site networks
- ✓ Operator efficiency: Clear visual interface and structured alarm workflows
- ✓ Better analysis: Historical alarm and event reports support security optimization and maintenance planning

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