ARES

Designing and Securing a Safer Future - In Real-Time

AVERT Assessments Provide Data Driven Security Optimization for any Industry and Have Saved Clients Millions of Dollars While Increasing Their Effectiveness

AVERT PS

PHYSICAL SECURITY

AVERT Physical Security produces a 3D digital twin of your environment and analyzes the performance of the site's physical security configurations and response tactics against a variety of threats. Designed to enable risk-informed decision making based on quantitative risk assessments, AVERT Physical Security provides a cost effective means to continually assess risks and optimize your security's effectiveness against your budget.

US Department of Defense (DOD) Accredited (VV&A)

- Sponsored by the Defense Threat Reduction Agency, US AIR Force, & US Navy
- Accredited for Pathway Analysis and Mitigation Planning

US Department of Energy (DOE) Accredited (VV&A)

- Sponsored by DOE for DOE Facilities
- Accredited for Facility Characterization and some Pathway Analyses

US Department of Homeland Security (DHS) Certified

- SAFETY Act Certified Software to perform automated vulnerability evaluations
- Provides users liability indemnification from acts of terror

World Institute of Nuclear Security Published

- Projects Featured in best practices Guide for nuclear security
- WINS (www.wins.org) is a nuclear security best practice organization

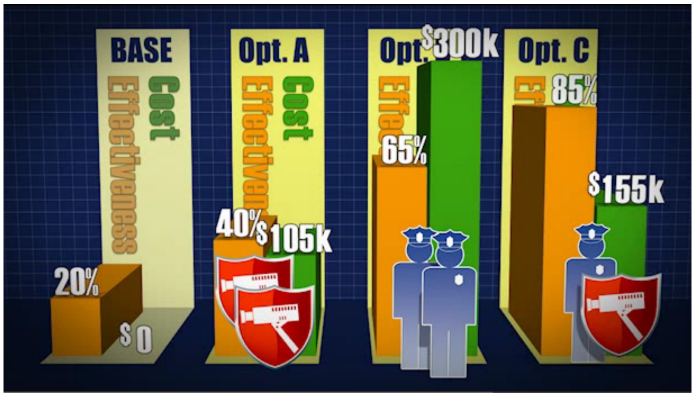
Nuclear Energy Institute (NEI)

- NEI Top Innovative Practice (TIP) Award presented to PSEG Team for using AVERT to save 14 posts and post equivalents to date

AVERT 4D

FOR DESIGN

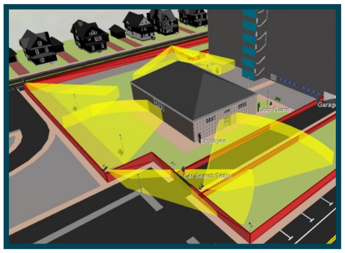
AVERT for Design provides a 3D model of your site and physical security to evaluate the effectiveness and costs of various security configurations. With an extensive library of tested and proven security system performance characteristics, AVERT for Design makes it easy to add new sensors or make configuration changes to validate new security purchases and plans before they are implemented.



Trusted By

AVERT Design and Risk Assessment Process

1. Model

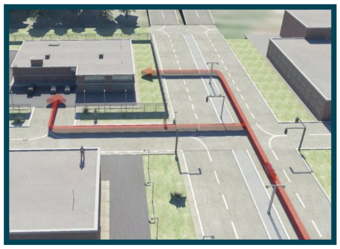


The use of high fidelity 3D models ensures depth of realism and accuracy in AVERT Physical Security's analysis. AVERT models include site specific details about the targets being attacked: the materials they are made of and how weapons interact with them. Models also include rich details about the attacking force, and the defending force: training levels, security systems/ sensors, weapons systems, personnel and con-ops.

2. Characterize

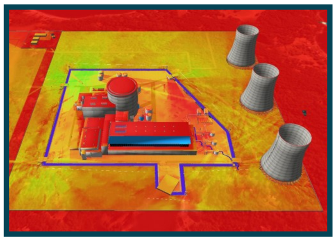
AVERT Libraries contain extensive collections of government validated performance characteristics for security equipment, landscapes, sensors, and personnel. For instance, AVERT Physical Security knows the time it takes for a trained attacker with a 15lbs weapons kit to run 100 meters up a 30 degree grade hill and cut through a 12' triple concertina wire fence.

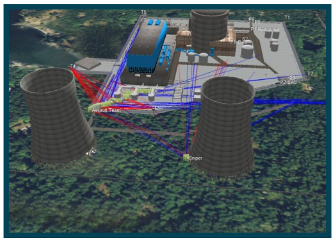
3. Simulate



AVERT Physical Security can simulate thousands of varying attack scenarios within hours. The simulations start with an exclusive, automated pathway analysis where the software automatically calculates the best pathways for the attacking force to accomplish its intent. This is followed by a combat analysis where the solution measures the performance effectiveness of your security and response strategies against attacks.

4. Analyze





An AVERT Physical Security Assessment includes many customizable reports that are designed to help security directors effectively communicate "Why?" modifications or procurements are required or desirable. The reports include: Cost Benefit Analysis, System Analysis, Automated Path ID, shot tracing, heat map path or detection analysis, time and distance analysis for detection, neutralization and more.

5. Optimize

Develop actionable strategies based on risk informed decisions to ensure continuity of operations

- Clearly quantify risks for leadership with easy to create reports that include visuals and detailed cost benefit analysis of countermeasures.
- Train responders and stakeholders on proper tactics and con-ops using playback videos of simulated attack scenarios.

Create ROI analyses to justify new security acquisitions based on your unique security posture and needs

- Test the performance of proposed countermeasures by running simulations in the model before purchasing and deploying them in the field.
- Prioritize the deployment of countermeasures based on the level of risk, the increase of effectiveness, and overall cost benefit.

Evaluate and optimize the design and performance of existing, temporary or future security operations

- Test the effectiveness of existing security operations against the design basis threat
- Quickly rerun simulations as new threats emerge and conditions change
- Identify the most optimal security system and response design using the DHS, DOD and DOE validated engine.

For more information visit www.aressecuritycorp.com or contact ARES Security at contactus@aressecuritycorp.com

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