



AVERT ASSESSMENT & DESIGN

SECURITY OPTIMIZATION FOR ANY INDUSTRY USING AN INTELLIGENT DIGITAL TWIN OF YOUR SITE

SAVE MILLIONS OF DOLLARS WHILE INCREASING OR MAINTAINING SECURITY EFFECTIVENESS

AVERT PS

PHYSICAL SECURITY

Quantitative Assessment

- 3D modeling and simulation using an intelligent digital twin of your site
- Quantitative risk assessment to enhance SME judgement
- Provides quantitative and visual justification for improvements and upgrades
- Identifies the most security for the least cost

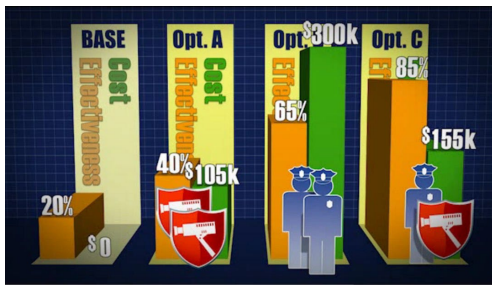
AVERT 4D

FOR DESIGN

Intelligent Design

- Evaluate the effectiveness of planned upgrades in a virtual model of your site
- Cost Benefit Analysis of new technologies and security plans
- Create detailed design documents and engineering plans

- DoD Accredited
- Sponsored by the Defense Threat Reduction Agency, US Air Force & US Navy
- Accredited for assessment at nuclear storage facilities
- DoE Accredited
- Depended on to evaluate vulnerabilities at NNSA facilities
- Used to optimize force protection capabilities at high-consequence facilities
- DHS Designated
- A trusted SAFETY Act Designated Software to conduct vulnerability assessments
- Provides users liability indemnification from acts of terrorism
- World Institute of Nuclear Security Published
- Projects featured in the Best Practices Guide for Nuclear Security
- WINS (www.wins.org) is a nuclear security best practice organization



TRUSTED BY



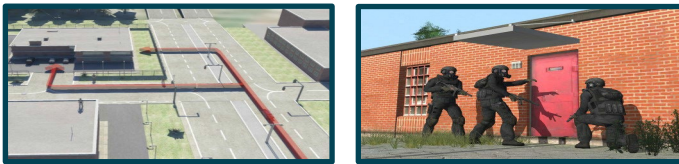
AVERT DESIGN AND RISK ASSESSMENT PROCESS

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.

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.

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.

2. CHARACTERIZE



Detection Tools

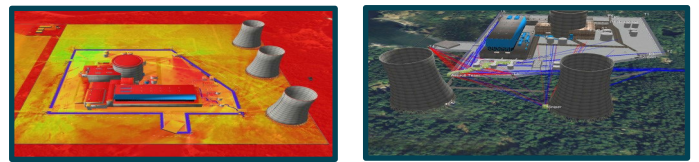
Terrain

Personnel

Weapons

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.

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.