



# US Air Force Optimizes Base Security with Modeling & Simulation

## CASE STUDY

Reference: *AIRFORCE TECHNOLOGY*, January 19, 2022. [LINK](#)

### CASE STUDY SUMMARY

## **AVERT** **PS** PHYSICAL SECURITY

AVERT Physical Security (AVERT-PS) is unique Security Risk Assessment (SRA) software used to perform a Vulnerability Assessment (VA) of the site along with providing the capability to visualize, quantify, assess and optimize its security posture. This solution's holistic and integrated approach, delivers accurate, measurable, and repeatable assessments of physical security design and operations.

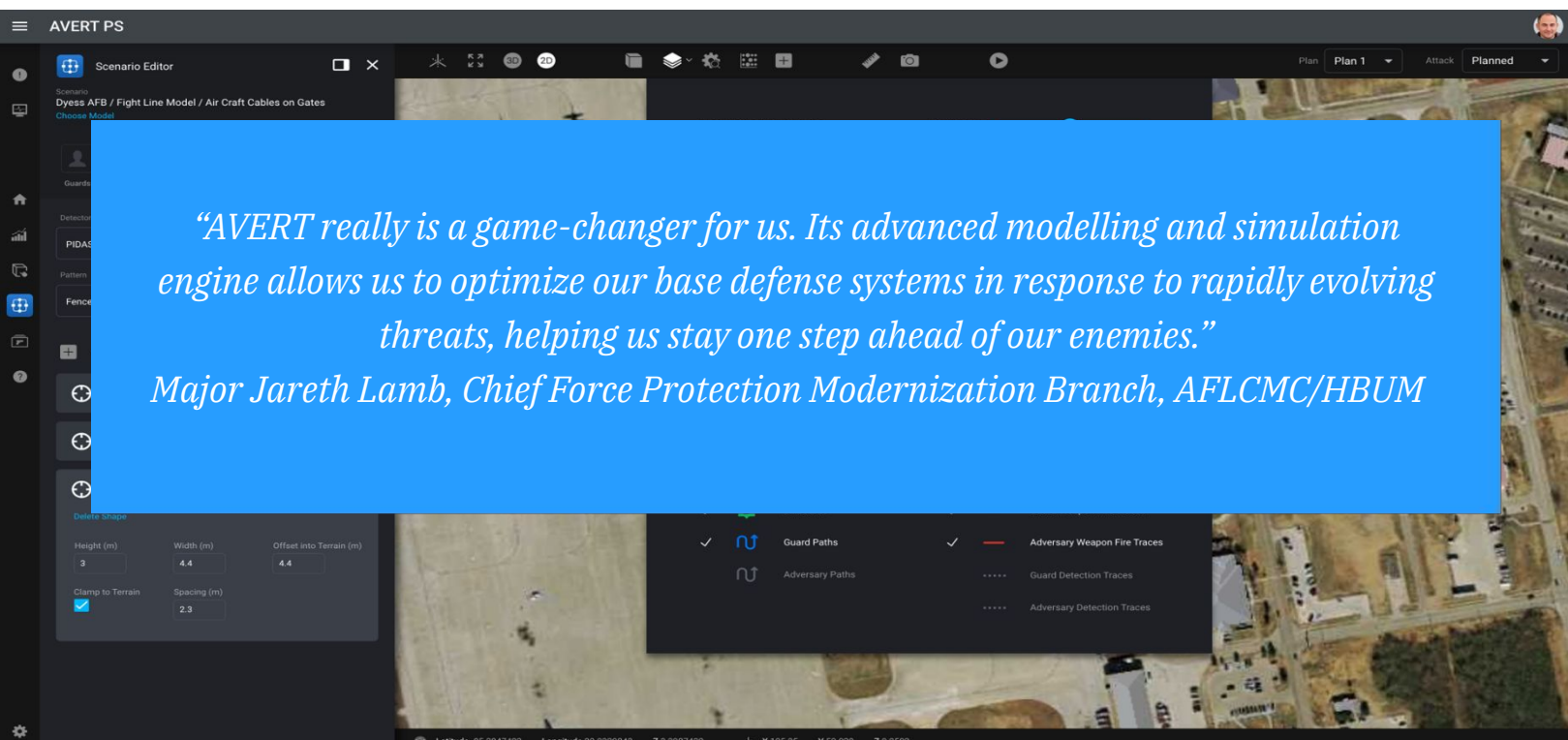
### OBJECTIVE

Assess security risk as a system of systems. Quantify risk-based results. Design and evaluate compensatory measures to improve security effectiveness and reduce cost.

## SOLUTION



AVERT Physical Security combines digital twin 3D models, analytics, simulations, and artificial intelligence for the USAF Security Forces to assess threats and determine optimal response plans. This digital engineering technology provides quantifiable and rigorous insights that transform installation/base security by increasing security effectiveness while reducing costs.



*“AVERT really is a game-changer for us. Its advanced modelling and simulation engine allows us to optimize our base defense systems in response to rapidly evolving threats, helping us stay one step ahead of our enemies.”*

*Major Jareth Lamb, Chief Force Protection Modernization Branch, AFLCMC/HBUM*