

CONFIDENTIAL INTERNATIONAL COMMERCIAL TOWER

CASE STUDY

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 facility along with providing the capability to visualize, quantify, assess and optimize security posture. This solution's holistic and integrated approach, delivers accurate, measurable, and repeatable assessments of physical security design and operations.

OBJECTIVE

A confidential International Commercial Tower as part of an multi -complex central financial hub project was seeking security by design. This structures included government offices, executive floors, sublet and public areas. Protecting infrastructure floors and government officials in different alert states were a high priority. IED, active shooter, dual cyber-physical threats, and asset damage were all being considered.

SOLUTION



A Digital Twin of critical floors and interiors were developed and then used by the AVERT-PS modeling and simulation software to generate security recommendations for various activity levels and event scales. These models were used to provide options for camera layouts around current construction and determine the number of contracted security guards required for different security postures. Technology evaluation was also performed to ensure the physical layout of vehicle entry combined with monitoring and vehicle denial barriers would protect the building from VBIED threats.

RESULTS



COST SAVINGS—The security design for the Tower reduced expected camera estimations by 30%

