

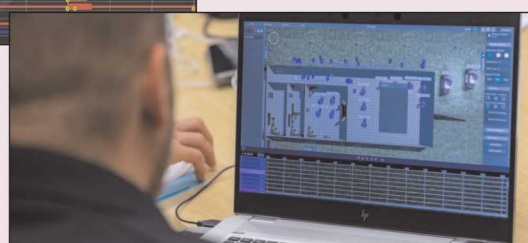
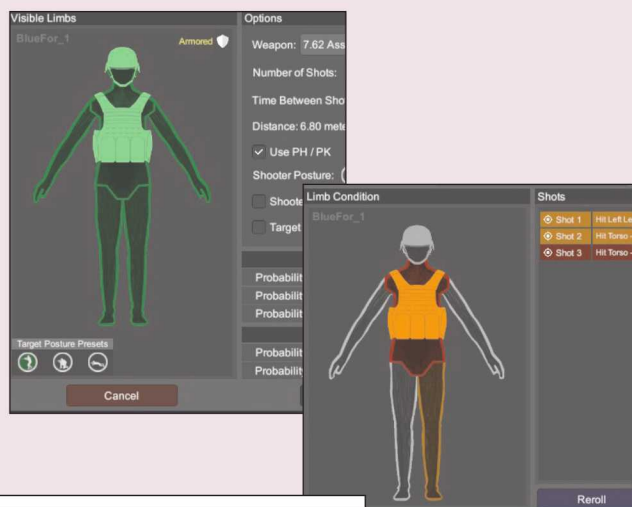


Using next-generation technology to increase physical security effectiveness

Scribe3D[®]

Scribe3D is a Unity-based 3D scenario simulation tool used for scenario planning, execution, analysis, playback, and tabletop support. This fully exportable software tool enables facility operators to develop attack scenarios based in real-world data to test, analyze, and improve their security systems.

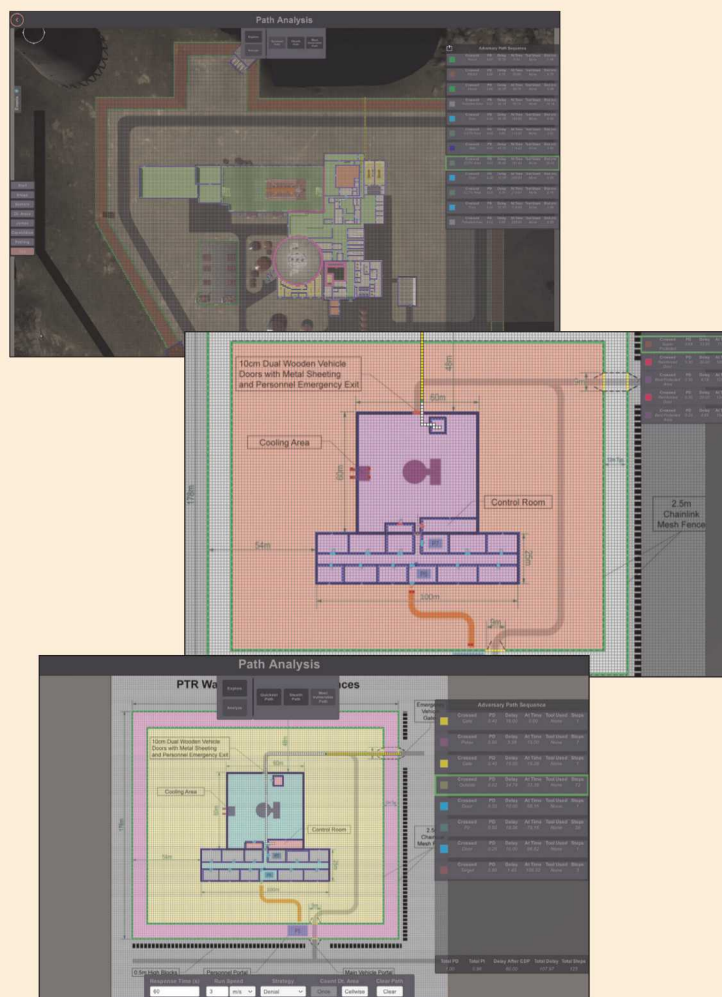
- Playback and recording enable interactive visualization
- First-person viewpoint helps resolve line-of-site issues
- TTX tools can be used to measure distance and calculate timing
- Data-driven combat provides realistic asset performance and outcomes



Trace[®]

Trace is a visually intuitive path analysis tool that allows users to quickly create realistic virtual blueprints of their facility, then test their current and future physical security elements against real-world data to find the most effective combination for their needs.

- Adds spatial elements to typical mathematical path and analysis models
- Supports both analysis and training



Augmented Reality (AR) Physical Security Design

Sandia's AR capabilities use technology that superimposes a computer-generated image on a user's view of the real world to provide a composite view. The Mod-Sim team is currently developing an AR tool to be used to deliver fully virtual or hybrid virtual/in-person Design and Evaluation Process Outline (DEPO) training. Participants will work to design and evaluate unique or hypothetical facilities while gaining hands-on training with emerging technologies that they can then leverage in their home countries.

- Will feature a fully integrated design and evaluation suite of tools leveraging AR design tools
- Intuitive path analysis design evaluation tools
- Immersive 3D tabletop simulation tools
- State-of-the-art industry supported neutralization analysis tools

