

# Virtual Systems Trainer



The Virtual Systems Trainer (VST) is the first and only fielded Virtual Reality-based weapons training device that supports portable or fixed training sites for weapons systems training. VST provides Stinger, Javelin and Igla Team (Team Leader and Gunner) training within a 360-degree immersive, realistic battlefield environment. The VST instructor station provides selection of instructor-defined training vignettes/scenarios that include varying terrain such as Desert, Forest or Urban areas, and high fidelity moving models. VST includes a detailed after-action review (AAR)/scoring presentation of Gunner actions, for example, correct identification of friendly and threat vehicles, proper launch/engagement sequence, operator responses to emergency/fault conditions and correct aim point.

## \_Field Handling Trainer

### FHT-STINGER & FHT-IGLA

- > Used to practice basic manual weapon handling, operation, sighting, and ranging skills
- > Visually track actual aircraft or radio-controlled targets
- > Allows insertion/removal of Battery Coolant Unit (BCU)
- > Same size, weight, and external appearance as the actual weapon-round
- > Controls and mechanical operation are the same as the weapon-round
- > FHT IMI computer based weapons familiarity training to supplement FHT for comprehensive stand-alone training without the need for instructor



FHT-STINGER

## \_Virtual Systems Trainer

### STINGER-LITE

VST Stinger-Lite is a leaner, screen-based version of AV's proven VST product. VST Stinger-Lite will use the same software suite as the VST, but is purpose-built for training in a more austere environment.

- > VST Stinger-Lite replicates the form and function of the FIM-92 A-MANPADS—sharing the same dimensions, weight, and controls/switches
- > Gunners train using standard FIM-92 folding sight assembly and engage targets displayed on a lightweight HD screen mounted to front of unit
- > Engagement sequence accurately mirrors live system from target acquisition to missile release
- > VST Stinger-Lite MANPADS is tethered to an instructor laptop—allowing the instructor to control training scenario, providing power to the MANPADS, and displaying a realistic full-motion video (FMV) on the mounted screen
- > Instructors insert faults, control weather, and time of day in the training scenario on the laptop
- > Users create custom training scenarios or alter existing ones using the Gambit Scenario Generation Tool
- > Three (3) terrain databases (Desert, Forest, and Arctic) and over 160 aircraft models (Fixed, Rotary, and UAS/UAV) included with delivery
- > Setup and tear down is approximately 30 minutes per system, requiring only two 120/240V outlets
- > For transport and storage, the system utilizes one ruggedized case



FHT IMI



VST STINGER-LITE