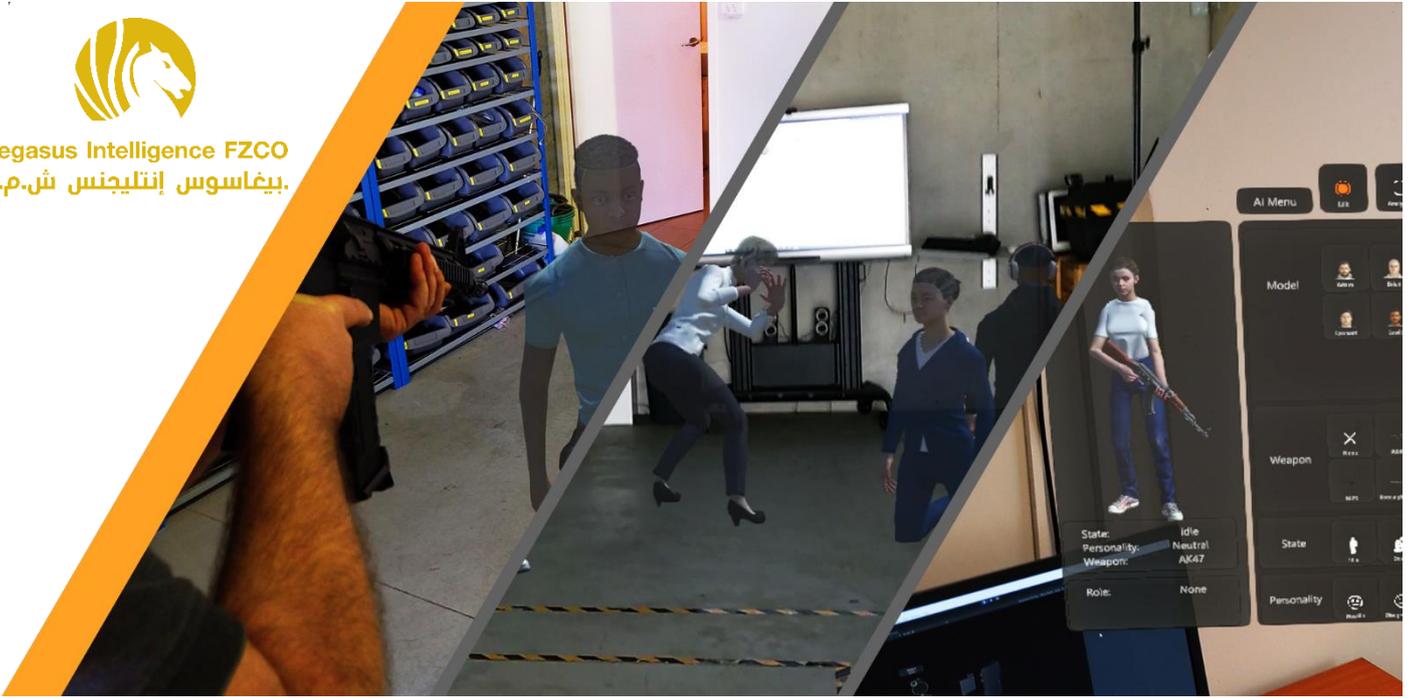




Pegasus Intelligence FZCO  
بيغاسوس إنتليجنس ش.م.ح.



# S.W.A.T.S.

Developed for law enforcement, military and security entities, Innovare International's S.T.A.R.T. S.W.A.T.S. training software enables highly customisable, multi-user, and realistic scenarios with a focus on performance assessment and evaluation using a detailed interactive after-action review (AAR) system.

## Realistic and Immersive

S.W.A.T.S. merges the real and virtual world together in a mixed reality space. In this space, real life objects are still visible and Artificial Intelligence (AI) characters are represented as realistic Computer-Generated Images (CGI) that are superimposed into the scene and can interact and walk around the space, behaving as if they were there. The flexibility of this system allows for any real-life environment to be used for training such as supermarkets, airports, ships, airplanes, schools etc. Training on location adds a variety of benefits and with the S.W.A.T.S. system, many of the current issues of training on location are minimised such as property damages and hazards to actors.

## 3D After-Action Review

A key focus since the inception of S.W.A.T.S. was and is after-action review (AAR), S.W.A.T.S. takes this to another level by introducing a 3D visual system, where users can walk throughout the AAR itself and view metrics, data and timestamps in the location and time of where it occurred. All data stored in the AAR, such as metrics, logs, pictures, and videos etc. can be uploaded to the S.T.A.R.T. website, allowing for review at any time from any session.

## Multi-User Experience

S.W.A.T.S. provides a multi-user experience so users can practice in teams of up to 19 simultaneously and interact with other users and AI in the mission. The multi-user eco-system utilises two main roles, a supervisor and trainee, where the supervisor is responsible for creating the mission and can spectate the mission live without interfering. While the trainees actively participate in the completion of the mission. Trainees can be assigned teams by the supervisor, allowing them to fulfill a variety of roles in the mission such as Blue Force, Red Force or Civilian, this also allows for mixed human and AI teams!



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## AI Characters

S.W.A.T.S. includes a comprehensive AI customisation system that is designed to give supervisors freedom to create the missions they want. AI can be customised in appearance, weapon, behaviour, movement, and personality. S.W.A.T.S. also features a complex personality system designed to mimic the complexities and randomness of human personality and behaviour. This system features random-weighted decision making, weapon use intelligence, aggression levels, compliance levels and much more.

## Quick and Easy Setup

S.W.A.T.S. features an easy mission setup that a trained supervisor can complete within 10 minutes. Once completed this scenario is saved and can be rerun in the same environment an unlimited number of times with the same or new users.

## Key Features and Capabilities

S.W.A.T.S. key features and capabilities include:

- Support for up to 19 users to simultaneously participate in a real environment, inducing stress in a safe training setting
- Comprehensive 3D AAR system allowing for in-depth analysis of missions
- The S.T.A.R.T. website features easy to access AAR information anywhere and anytime
- The mixed reality system provides a blend between reality and CGI leading to a highly immersive training experience
- Realistic and customisable AI allow for the creation of complex missions
- Participants can scan any environment and create a mission
- Low-hardware footprint does not obstruct users and allows for training with minimal equipment
- High fidelity simulation weapons create familiarity and muscle-memory with their real-life counterparts

## S.W.A.T.S. Supervisor Kit

Each S.W.A.T.S. session requires at one supervisor kit; the kit consists of:

- HoloLens 2
- Portable Wi-Fi router
- Localisation tripod
- S.W.A.T.S manual and quick-start guide

## S.W.A.T.S. User Kit

The user kit is required for each user in the S.W.A.T.S. session, the kit consists of:

- Pelican case
- HoloLens 2
- HoloLens 2 carry case
- HoloLens 2 charge cable
- M4A1 simulation weapon (other weapons can be made available on request)
- 1 weapon magazine
- Connection dongle
- S.W.A.T.S manual and quick-start guide



M4A1 simulation weapon



Microsoft HoloLens 2



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## HoloLens 2 Specifications

Manufacturer	Microsoft
Device Type	Standalone AR
Resolution	1440x936 (per-eye)
Refresh Rate	60 Hz
Visible FOV	43° horizontal 29° vertical 52° diagonal
Weight	556 g
Eye Tracking	Yes
Hand Tracking	Yes
Speakers	Integrated stereo speakers
Microphone	Yes
Ports	USB Type-C
Memory	4 GB
Storage	64 GB
Battery Life	3 Hours
Charge Time	65 Minutes

## AR15/M4 Type Training Accoutrement Specifications

Manufacturer	Innovare International
Device Type	Training accoutrement
Rifle	M4/AR15
Weight	1.5 kg
Digital magazine	Yes
Holographic interaction	Yes
Simulated recoil	Yes
Sound Effects	Yes
Ports	USB Type-C
Bluetooth connection	Yes
WIFI connection	Yes
Battery Life	6 Hours dependent on usage
Charge Time	60 Minutes



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