

With more than 20 years of experience in small arms training and service to military, law enforcement and civil security organizations all over the world, Thales Germany is specialized in providing simulation systems for these users. The latest development of the small arms product line is the Sagittarius Evolution simulation system.

Sagittarius Evolution provides both virtual and live firing training capabilities for individual and unit training.

It supports a wide range of training scenarios from basic marksmanship training to advanced situational training.

To further enhance its training value the simulation system can be networked with other systems and/or additional modules out of the Sagittarius product line such as Vehicle Module or Boat Module. All modules can be provided on motion platforms.

SMALL ARMS TRAINER

SAGITTARIUS EVOLUTION

WM90 Training Module





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WM90 Module

SIMULATION WEAPON WM90

- > Use of original, but disarmed and modified weapons
- > Original weapon handling
- > Original Fire Guidance Visor functionality
- > Various original ammunition effects in visual and impact (e.g. HE, ASM, Smoke, Illuminating)
- > Easy to maintain due to innovative architecture
- > Huge variety of supported weapons, like:
 - Pistols
 - Rifles
 - Machine pistols
 - Machine guns
 - Anti-tank weapons
 - Grenade launcher
- > Dedicated ballistic model per weapon type based on original ballistic tables
- > Use of primary and secondary weapon during exercise execution supported

INSTRUCTOR OPERATING STATION (IOS)

- > Easy selection of exercises based on illustrative pictures and text
- > Live Target View with overlaying the display of the fire control unit of the fire guidance visor (e.g. distance, Status/Mode, calculated aim cross, etc.)
- > Lane view for each trainee with relevant information (e.g. live target view, weapon status, weapon sensor data, controls for ammunition setting and weapon jamming, training result etc.)
- > Easy adjustment of environmental settings (24 hours day/night cycle, wind, rain, fog, snow) affecting ballistics



SCENARIOS

- > Cutting edge graphics performance due to usage of CryEngine® Image Generator
- > Creation/adaption of exercise content according to shooting doctrine of individual customers
- > Geo-specific/geo-typical/geo-referenced replication of terrain selected by the customer
- > New training concepts using Artificial Intelligence for randomized avatar behaviour:
 - Situational threat
 - Perceived threat
 - Behaviour threat
- > Dynamic trainee-avatar-interaction using trainee's voice as simulation input generating complex scenarios like:
 - Identity check
 - Vehicle inspection
 - Search of houses/flats

MISSION

Military, law enforcement, customs and civil security organisations

KEY FIGURES

- > Floor space 4 m x 5 m for Mobile Training System
- > System ready to train in 25 min

