

Battle Tank Driver Simulator

Full-Motion VT-04 Driver Trainer

A full-motion, high-fidelity training system that recreates the complete driver compartment of a main battle tank, so crews can build real driving skills safely, repeatedly and at a fraction of live-vehicle cost.

The cockpit is a faithful copy of the VT-04 tank driver compartment, with space allocation, seating position and control layout matched to the real vehicle. Trainees operate genuine hard controls, including steering, accelerator, brake pedal and gear shifter, together with cabin lights, fire alarms, engine heat-up, engine start and auxiliary systems.

A four-leg motion platform with a 700 kg lifting capacity converts simulated terrain and vehicle dynamics into physical motion cues, while a wide field of view across three connected screens gives the visibility needed for precise vehicle handling.

All training scenarios are developed in the Unity engine and customised to the user's terrain, routes and training objectives, preparing drivers for the real tank before they ever start its engine.



Key Specifications

Standard Configuration

04 Legs

Motion Platform
(four-point motion)

700 kg

Weight Lifting Capacity
of Motion System

3 Screens

Connected Wide-View
Display

1:1 Space

Same Space as the Real
Driver Compartment

Authentic Hard Controls

Driving Controls

Steering, accelerator, brake pedal and gear shifter.

Engine Systems

Engine heat-up, engine start and auxiliary systems.

Cabin and Alarms

Cabin lights and fire alarms, as in the real tank.

Key features

Authentic VT-04 Cockpit

- **Copycat driver compartment** of the VT-04 tank, customisable to specific vehicle configurations.
- **Identical space allocation** reproduces the seating position, reach and working space of the real vehicle.
- **Familiar layout** lets trainees transfer skills directly to the operational tank.

Motion and Visual Immersion

- **Four motion legs** deliver physical motion cues synchronised with the simulation.
- **700 kg lifting capacity** supports the complete cockpit structure and trainee.
- **Wide-view display** on three connected screens for better visibility and spatial awareness.

Technical Specifications	
Software	All scenarios developed in Unity; customised
Motion system	04 motion legs
Lifting capacity	700 kg
Display	Wide-view display on 3 connected screens
Cockpit	Copycat VT-04 tank driver compartment (customisable)
Driving Controls	Steering; accelerator; brake pedal; gear shifter
System Controls	Cabin lights; fire alarms; engine heat-up; engine start; auxiliary systems
Space Allocation	Same as the real driver compartment

Full Hard-Control Suite

- **Steering, accelerator, brake pedal and gear shifter** mounted in their real-vehicle positions.
- **Engine heat-up and engine start** controls for correct start-up procedures.
- **Cabin lights, fire alarms and auxiliary systems** controlled just as in the real driver compartment.

Customised Training Scenarios

- **Unity-based scenarios** developed and customised to each user's requirements.
- **Terrain, routes and training conditions** tailored to the training programme.
- **Expandable content** allows new scenarios to be added as training needs evolve.

Typical Applications

Basic and advanced driver training for armoured units

Driver conversion training onto the VT-04 platform

Engine start-up, alarm and emergency procedure drills

Military training schools, regimental centres and academies

Why choose this simulator

Save fuel and vehicle life

Build driving hours without consuming fuel, spare parts or engine life on operational tanks.

Consistent, repeatable training

Any scenario can be repeated as often as needed, giving every trainee the same standard of instruction.

Zero-risk learning

Trainees practise difficult terrain, driving errors and emergencies without risk to crew or equipment.

Tailored to your requirements

Unity-based scenarios are customised to your terrain, routes and training programme.

Skills that transfer directly

A replica compartment and real hard controls build the muscle memory that carries straight into the tank.

Train in any weather

Indoor operation keeps training running day or night, independent of weather, ranges or vehicle availability.

Specifications are subject to change without prior notice as part of continuous product development. Cockpit layout and training scenarios can be customised to customer requirements.