



Focused-Fidelity:
 - Optimize rate of Training Transfer
 - Maximize Training Efficacy

JLTV Driver Simulator

A Focused-Fidelity Driving Simulator for Real-World Training

The MAK Ground — JLTV Driver Simulator offers a new approach to driver training, focusing on delivering exactly what's needed to prepare warfighters for real-world missions. Combining physics-based motion and realistic environmental replication, this simulator gives junior warfighters the practical skills they need at a price that fits your budget.

FOCUSED FIDELITY

Only what matters most for effective driving training.

AFFORDABLE AND EFFECTIVE

High-impact training with immersive visuals and responsive haptics, designed to fully engage trainees in the simulation – all without unnecessary costs.

REALISTIC DRIVING ENVIRONMENT

Synthetic terrain and weather systems mirror the challenges of the field.

Realistic Driving in a Realistic Synthetic Environment



The MAK Ground — JLTV Driver Simulator replicates the real-world driving experience with high-fidelity graphics, dynamic weather transitions, and diverse terrains. From sunny to snowy conditions, steep inclines to rough trails, this simulator prepares your soldiers for any mission in any condition. Your soldiers will experience:

- **Realistic Autonomous Traffic Patterns:** Includes left hand driving.
- **Dynamic Weather Systems:** Train in a variety of conditions – day, night, rain, snow, and more.

- **Varied Terrains:** Navigate realistic driving conditions across diverse surfaces—from dirt roads to rocky inclines, dense forests, mountainous terrain, and bustling city streets—each reacting dynamically to different ground and soil types for an authentic experience both on and off-road.
- **Physics-Based Vehicle Dynamics:** The simulator reacts to terrain changes just like real vehicles in the field.
- **Modular Architecture:** Easily update the simulator hardware and software components as training requirements evolve, keeping it adaptable to future needs.
- **Immersive VR Integration:** The simulator supports both virtual reality and mixed reality headsets, offering highly immersive training experiences that blur the lines between simulation and reality.
- **Mixed Reality:** The system seamlessly integrates with MR headsets, providing a hybrid training experience where digital and physical elements of the actual JLTV merge for enhanced engagement.

Scenario-Based Training for Real-World Readiness

With the MAK Ground — JLTV, soldiers can practice navigating complex scenarios such as emergency responses, equipment malfunctions, and rough terrain. The simulator's indicators, controls, and rearview mirrors replicate real vehicle interfaces, providing immersive, scenario-based training to prepare soldiers for real-world challenges.

- **Realistic Scenarios:** Train for malfunctions, emergency responses, and tough terrain conditions.
- **Leverages advanced graphics:** Real-time physics, and flexible scenario-building tools.
- **Detailed Vehicle Controls:** Accurate indicators, mirrors, and systems prepare soldiers for operational environments.
- **Cost-Effective Readiness:** Delivering valuable training without high costs.

Affordable, Immersive Driver Training for Maximum Impact

The MAK Ground — JLTV delivers immersive driving experiences at a fraction of the cost of high-fidelity simulators. With flexible training environments that adapt to various scenarios and conditions, your warfighters can train for a wide range of real-world missions while staying within budget.



- **Affordable Training Solution:** Medium-fidelity simulation designed to provide maximum training value without high costs.
- **Adaptable Environments:** Transition between different weather, terrain, and time-of-day scenarios for versatile training.
- **High-Impact Learning:** Equip warfighters with the skills they need through a realistic and immersive training experience.

Focused-Fidelity Training, Real-World Results

Train your soldiers with the next generation of driving simulators – focused fidelity that delivers everything you need to build mission-ready skills. The MAK Ground — JLTV combines immersive environments, scenario-based training, and dynamic feedback, providing your team with the tools for success all at an affordable price.

