

our global footprint



www.exail.com

exail



exail

**DRIVING SIMULATION
SOLUTIONS FOR DEFENSE
AND HOMELAND SECURITY**

DELIVERING HIGHLY IMMERSIVE TRAINING EXPERIENCE

By providing highly realistic training, Exail empowers land forces drivers to develop the skills and confidence needed to navigate a wide range of terrain and operational scenarios. Coupled with mixed reality headsets, Exail simulators offer an unprecedented level of immersion, elevating military training to new heights within a completely risk-free environment.

Scenarios creation and real-time interactions

Known for their high level of realism and customization, Exail driving simulators provide an immersive and realistic driving experience, replicating a wide range of real-world scenarios with precision:

- Vehicle pre-positioning
- Lifelike environments
- Weather and time conditions
- People interaction and third-party vehicles behavior
- Road blockage check-point
- IED or gunnery attack

After action review for tactical debriefing

Exail simulators allow for comprehensive after-action review from various vehicles, enhancing global training effectiveness:

- 3D replays (vehicle inside/outside view, aerial and pedestrian view, view from third-party vehicles...)
- Driving data display (vehicles speed and distance, acceleration/brake levels, traffic violations...)

Tailored to different types of vehicles

Exail simulators mimic real vehicle controls, providing trainees with a hands-on experience of driving different types of vehicles used in defense & security operations. Specific exercises can further be created to help master vehicles advanced functions and electronic interfaces.

DEVELOPING FULLY CUSTOMIZABLE SIMULATOR PROJECT

Exail driving simulators can be tailored to meet specific individual and collective training needs, offering adaptive training programs that adjust to trainees' skill levels, objectives and applications. Not only limited to driving vehicles and radio procedures initial learning for new operators, Exail's simulators further advance the tactical training of experienced operators seeking to learn new skills.

Integrating latest generation of mixed reality headset

Exail is taking training immersion one step further by using cutting-edge mixed reality headsets technology. Experience unparalleled sensations for optimal training efficiency:

- Simultaneous views of the virtual vehicle and the simulator's physical controls
- Unparalleled immersion with a point-of-view relative to your position in the vehicle
- Real sense of vehicle speed and size thanks to realistic perimeter views

Building advanced simulators from brand-new vehicle

Exail special expertise lies in the ability to create and adapt our groundbreaking simulators by harnessing comprehensive data from new vehicles, through a meticulous process that includes:

- Data collection from static and dynamic measurements
- Reverse engineering and interface replication
- 3D visual and physical modeling of driving behavior

Innovative training package with networked high-end military vehicle simulators

Exail is dedicated to providing the most effective and advanced training solutions, empowering entire crews to train independently or together, facing realistic situations that simulate the complexities of real-world military operations:

- Classroom-based mobility and maneuverability training with a single instructor
- Tactical training involving group driving and radio communications
- Doctrine evolution and confidentiality facilitated by a flexible scenario editor

