

vSIM Driving Simulators



Better training tools, better drivers.

TMI Simulation Solutions developed a world class driving simulator and e-learning platform known as iDes® (Interactive Driver Education System) that is being used throughout South Africa for novice and professional driver training and assessment.

We patented several modules in the driving simulator due to the uniqueness of our vehicle dynamics and virtual instructor.

The iDes suite of tools consists of an e-learning application, driving simulators and an “on the road” training programme to train and assess retail and corporate clients.

Since innovation, simulation and training is our specialty, we offer you a comprehensive training solution with an integrated learner management system that optimises and evolves your current training and assessment processes, regardless your industry and sector.

Our driver training solutions are applicable for:

- Driver Risk Assessments
- Novice Driver Training
- Professional Driver Training
- Fleet Operational Planning & Management
- Vehicle Configuration Verification

CAR SIMULATORS



Novice Driver Training
vSIM C100



Defensive & Advanced Driver Training
vSIM C110

Car Simulators vSIM C100 and vSIM C110

Our semi-immersive driving simulators provide a true to life driving experience for both novice and advanced drivers.

This is the perfect simulator to introduce driving to the novice driver by transitioning from an automatic to manual transmission, in a gradual manner and to seamlessly assess drivers in a safe and effective way.

The vSIM C100 simulator uses gaming controls, making it a more affordable option for schools.

The vSIM C110 simulator uses OEM controls from VW, Nissan or any other OEM, including switches, levers and display cluster.

All simulators come with a complete lesson plan covering the basics of driving up to driving in cities with traffic, as well as a practice yard.

All the student's activities, progress and mistakes are captured by our patented Virtual Instructor, and a report is generated that can be easily viewed by trainers and programme managers.

SCHEDULE

LEARN

PRACTICE

ASSESS

EXPERIENCE

A comprehensive Driver Training Solution

- TMI's driving simulators software follows local and/or international safety and security regulations, to promote reality-based training.
- The vSIM driving simulators are customisable for varying driving skills requirements, road networks, traffic conditions and weather. Several driving lessons and multiple static and dynamic hazards offer a wide age range of trainees to experience the thrill of driving, regardless of left or righthand drive.
- TMI's simulators have been in service since 2010 with more than 100 solutions deployed to train drivers on different vehicles types, giving you complete peace of mind during Simulator operations.
- The drivers cabin layout and choice of materials used on the simulators adapt to specific objectives of the design theme and operational environment.
- Local driving standards and regulations are adapted to your driver training programme, and comply with your local traffic authority regulations.
- TMI models the vehicle dynamics to the real vehicle's dimensions, drivetrain specifications, and handling and performance qualities to allow a smooth transition from the simulator to practical "on the road" training.
- Our motion platforms allow the driver to experience the vehicle's acceleration, braking and steering by providing vestibular cues similar to driving a real vehicle.
- The visual and audio display expose the driver to specific traffic, road, and weather conditions creating high-fidelity immersive environments.
- Onscreen and audio instructions and automated reporting allows smooth operation and assessment to fast-track your trainee's progress.

Simulator Features	vSIM C100	vSIM C110
Motion Platform	Not available	2 - dof Optional
Fully integrated OEM controls	Gaming controls	Yes
Image Generation	Single 40" screen	40" Screen with 2 optional side screens
Training Scenarios	Novice training scenarios and assessment	Novice training scenarios and assessment
Vehicle Configuration	Hatchback	Hatchback, sedan or small utility vehicle. Optional module with trailer towing
Transmission	Manual	Manual or automatic
Mobile Version	Trailer with up to 3 simulators	Trailer with up to 3 simulators
Portfolio of Evidence	All training sessions and assessments are stored in a database, and trainers can access and print portfolio of evidence	
Virtual Instructor & automatic assessment	Virtual instructor gives instructions and assesses the driver continuously, for autonomous learning	