

VIRSAT®

VIRTUAL REALITY SAFETY TRAINING

Good Technology Creates Great Safety

A century ago, the Wright Brothers developed the first plane. It was not very safe at first. Throughout the world clever engineers developed solutions for making planes safer. Key component of that was to train the pilots. Very sophisticated flight simulators are essential in pilot training now. From its very unsafe start, flying is now often the safest mode of transport.



In road safety we see the same developments, many features make the vehicle safer in case of incidents. Some new features help to avoid accidents. However, almost always the driver remains essential in preventing incidents. Drivers have a major responsibility for people and equipment. We trust our lives in driver's hands when we are a passenger.

For decades driver training has played an important role in preventing incidents. Current "on the road" driver training is essential for road safety. Recently the VIRSAT VR driving games were added to complement this road training. With these immersive training method drivers learn to fully understand and recall essential road safety rules and know when and where to apply them.

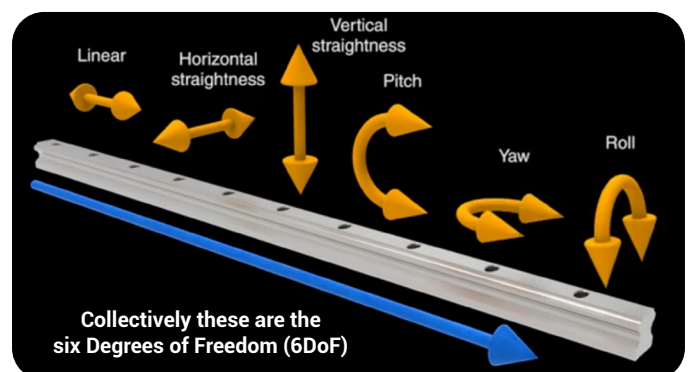
Graded Road Driving Simulator™

The last training step is from knowing and understanding to doing. On-the-road training remains important for that. However, it is also risky, if the training is realistic, and expensive. VIRSAT introduces the world's first driving simulator for graded roads to complement on-the-road training. With the **Graded Road Driving Simulator™** drivers can drive through dust, being in a pre-rollover situation and 10 other situations where many incidents happen. This is done in perfectly safe yet very realistic environment. VIRSAT **Graded Road Driving Simulator™** brings graded road driver training to a new level of sophistication and effectiveness. What flight simulators do for flight safety is now feasible and affordable for driver training with the VIRSAT **Graded Road Driving Simulator™**







How does it work?





The driver sees the road ahead in 3D and needs to react to realistic situations on the road. He has all vehicle controls and can feel the bumps in the road. Our sophisticated VR headset and 6 Degrees of Freedom simulator makes all this very realistic. Even accidents can "happen".






Innovative Learning

-  New learning method
-  Realistic vehicle movements
-  Realistic 3D desert environment
-  Big-killer hazards covered




What's New?

-  Learning through trying
-  Mistakes do not lead to real accidents
-  All levels of learning addressed
-  Engages all senses used by drivers

What is Different?

-  Risk-free "On the Road" learning
-  Objective recording of driver behaviour
-  Objective driver assessment

Care-Free

-  Complete support service available
-  Hardware and software, one vendor
-  Integrated with driver learning database

Demonstration

The VIRSAT Graded Road Driving Simulator™ can be leased or bought. We have a range of commercial offers that can help large and smaller businesses taking the next step in driver training. VIRSAT or one of our local partners can arrange for a demonstration.

The VIRSAT Graded Road Driving Simulator™ simulator lets drivers respond to the following hazards.

Driving through dust	Fatigue
Driving too close to the vehicle in front	Not switching on head lights
Driving too fast for road conditions	Not switching on high intensity rear lights
Roll over prevention	Not seeking contact when lost
Overtaking without sufficient visibility	Dealing with a tire blowout

During a 25 minutes drive the trainee experiences all these hazards. After that they get feedback on how they did. Even experienced drivers discover areas for improvement when training on the VIRSAT Graded Road Driving Simulator™

VEHICLES COVERED	
4WD Toyota Land Cruiser	Heavy Vehicle
PLANNED	
Ambulance	
Fire Truck for Integration with Fire Response Software	
Tipper Truck	



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