

## VI-SimCenter

**VI-SimCenter** is your new technical center for driving simulator technology. Located in Tavagnacco (Udine, Italy) at the VI-grade Italian premises, VI-SimCenter, with an area of 250sqm, currently features three driving simulators from the **VI-DriveSim** product line: two fixed and one moving platform, all based on the vehicle dynamics simulation foundation provided by **VI-CarRealTime**.



**VI-SimCenter** is located next to the VI-grade software development centre and therefore allows to directly access the following:

- Vehicle modelling expertise
- Virtual and real driver comparisons
- Real-time vehicle modifications for virtual testing

At the VI-SimCenter, track engineers can work together with professional drivers and vehicle dynamicists, effectively closing the gap between off-line and on-line simulation.

The moving platform machine represents the most recent trends in automotive human-in-the-loop simulation thanks to its innovative kinematics, resembling the dynamics of a real car. The same top-class simulation engines for graphics and physics are used on all three machines. Race car as well as passenger cars cockpits are available.



## Features

All **VI-SimCenter** installations are equipped with high resolution graphic environment for realistic vehicle and track rendering.

Several tracks can be realistically modelled.



All **VI-DriveSim** installations are equipped with sophisticated and realistic cockpits characterized by:

- Realistic steering wheel torque feedback
- Possibility to start and stop driving session in any point of the circuit
- Immersive view from cockpit
- Sound feedback
- Direct communication with track engineer
- Ghost car

From the **VI-SimCenter** control room it is possible to:

- Directly monitor telemetry data
- Modify vehicle model on-the-fly
- Visualize car from different views
- Communicate with the driver
- Review driving sessions in an immersive graphical environment

To learn more about our products and services please contact:

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