aSR
advanced simulated reality

New professional driving simulator.
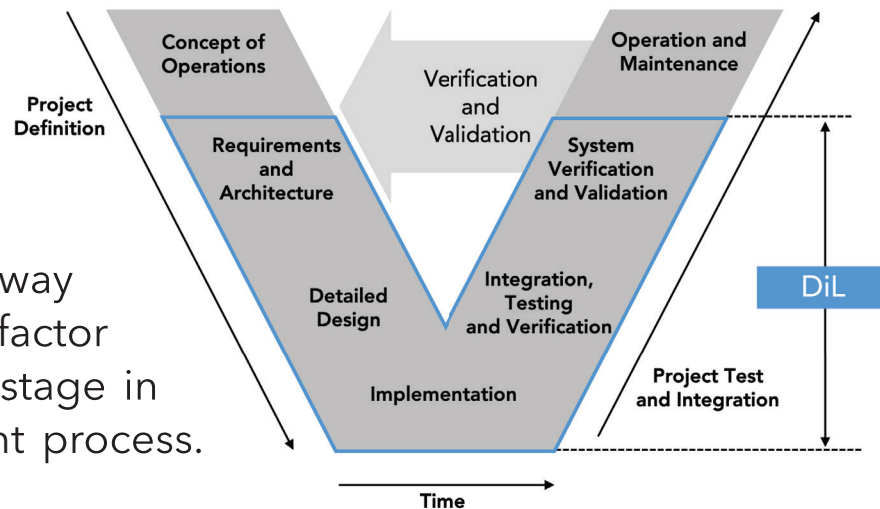

The aSR Driving Simulator

Experience your Simulation.

Automotive Driving Simulator for virtual testing.
The aSR Driving Simulator.

Driver-in-the-Loop (DiL) simulations are the only way to integrate the human factor at the earliest possible stage in the vehicle development process.

Project Definition

Concept of Operations

Verification and Validation

Operation and Maintenance

Requirements and Architecture

System Verification and Validation

Detailed Design

Integration, Testing and Verification

Implementation

Project Test and Integration

DiL

Time

It closes the gap between simulation and real prototype studies, accelerating the development process and reducing physical prototypes.

The aSR Driving Simulator is a professional solution with compact dimensions for a wide range of applications in DiL simulation:

- ✓ **Experience** vehicle and driver assistance system models
- ✓ **Execute maneuvers** without complex virtual driver models
- ✓ **Record driver data** to reproduce scenarios
- ✓ **Safe environment** for driving maneuvers close to the limit
- ✓ **Avoid** development of virtual drivers with unnatural behavior
- ✓ **Experience code and functions** for different software packages (VTD, CarMaker, etc.) based on the aSR Simulation Framework

Features of the aSR Driving Simulator

> **Split the simulator** for easy transport and reposition it by using the **roller system**.

> **Motion platform** for simulation of driving dynamics.

> Provide different vehicle ergonomics from sports car to SUV by adjusting steering and seating position.

> Realistic perception of the occurring braking forces with a belt tensioner

> Haptic torque feedback steering wheel

> Plug-and-play system

> Integrate your brand-specific hardware (available on request)

> Triple or single screen, VR glasses

The aSR Driving Simulator.
At a glance.

Execute test cases with human behavior

Reduce costs by using less physical prototypes

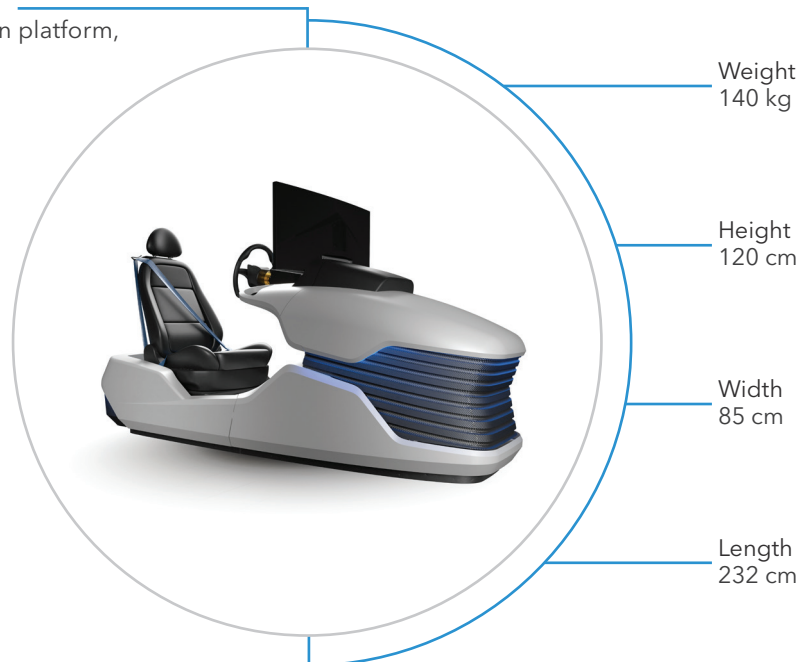Increase maturity level in the early development phase

Investigate critical driving maneuvers in a safe environment

Provide model-specific ergonomics

Simulator dimensions
with single screen, without motion platform,
without ergonomic adjustment

Weight
140 kg

Height
120 cm

Width
85 cm

Length
232 cm

GET IN TOUCH!

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