SIMPHERA

New, web-based solution for simulation and validation

NEW

Highlights

- Scalable testing in the cloud for faster results and broad test coverage
- Instant access and worldwide collaborative use
- Seamless testing on SIL and HIL platforms by reusing models, scenarios, and tests

Application Areas

SIMPHERA is a brand-new, web-based, high-performance environment for the simulation and validation of ECU software in the cloud. In 2021, it focuses on:

- Autonomous driving
- Scenario-based testing
- Software-in-the-loop (SIL) simulation

Its high level of integration lets you switch easily between SIL and HIL platforms. The industry-proven technologies in SIMPHERA, such as validated simulation models and established simulation platforms, ensure high reliability, particularly when it comes to validating that the software under test functions correctly.

Key Benefits

SIMPHERA brings your innovations for the mobility of the future to the road even faster. An intuitive user inter-face and guided, easy-to-follow workflows give you the flexibility, cost control, and efficiency you need to take the lead in vehicle and software development.
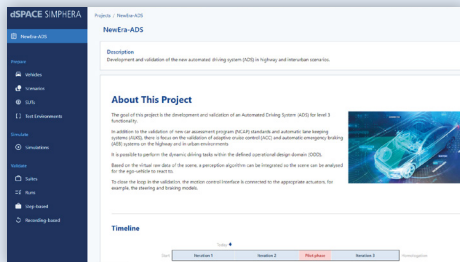
SIMPHERA is also ideal for agile development:

- Highly scalable cloud solution: Run a high number of simulations in parallel for fast results and broad test coverage.
- Smooth transitions between SIL and HIL: Reuse your models, scenarios, scenes, and tests.
- Easy collaboration: Speed up your team's work.
- Easy integration: Reuse your existing artifacts from dSPACE Automotive Simulation Models (ASM) and ModelDesk.
- Uniform framework: Organize the entire workflow and streamline different process steps.
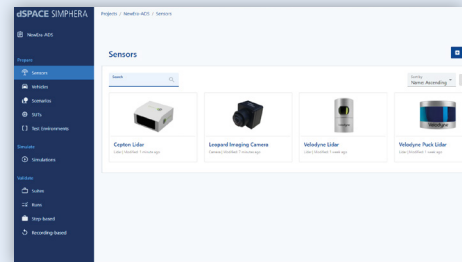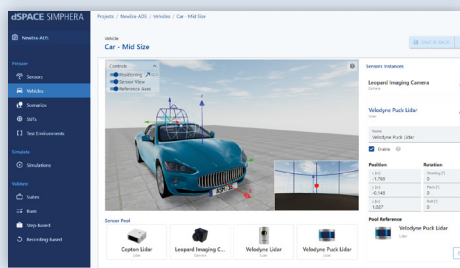
Prepare
Create, import, integrate
Update, improve

Simulate
Put into operation
Debug

Validate
Large-scale execution
Analysis

Results

dSPACE

09/2021

Functionality Overview: A First Look

Prepare

Project overview
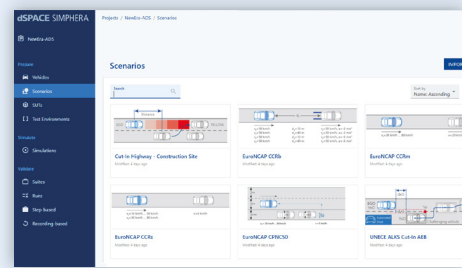

Sensors

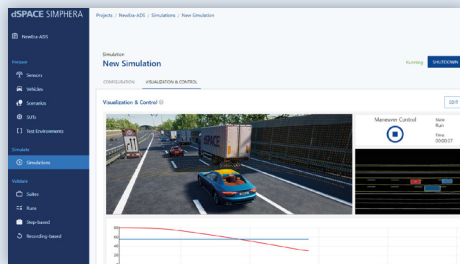**Vehicles**

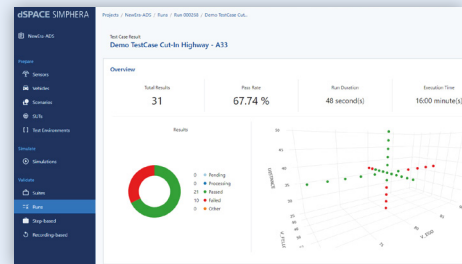**Scenarios**

Simulate

Put into operation

Validate

Large-scale execution

Contact

Our product experts will be happy to show you the possibilities of the new SIMPHERA simulation environment. They will work with you to analyze how and at what scale you can use SIMPHERA for your use cases and applications. Let us accelerate your innovations together.

Just contact us: *simphera@dspace.com*. For more insights into SIMPHERA, visit *simphera.dspace.com*

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