_scenario.architect

Product data sheet

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scenario.architect makes virtual testing real

The scenario.architect is tracetronic's solution for iterative development of scenarios – live during a simulation or based on the corresponding test cases. Within the tool, road users and their behavior can be specified OpenSCENARIO® 1.x compliant. In addition, annotations and validation rules can be added to the scenario content, allowing the entire test specification to be included. Links to test.guide and ecu.test enable a consistent ADAS workflow including management of all artifacts.



Event-based scenario design

The block diagram-based scenario description allows events to be

defined, commented on and visualized in a catchy and state-based manner. The comprehensive maneuver and event library enables a quick and effective description of the scenario.

What you see is what you get

Scenarios in the development process as well as scenarios that have already



been created can be simulated using the integrated esmini open source engine. An external environment simulation is therefore not absolutely necessary. Additional supporting visualizations such as highlighting of individual trajectories of other road users or of active scenario elements empower the user to maintain an overview of complex scenarios at all times.

Artifact management with test.guide

Artifacts such as the scenario description or the underlying road geometry can be managed efficiently using a test.guide connection. By adding meta information in particular, scenarios can be iteratively developed with ease and reused in other tools for test specification or test execution.

Define parameter spaces and generate scenarios

Parameter spaces can be defined and used for scenarios quickly and easily. In this way, larger quantities of specific scenarios can be generated efficiently from the logical scenario defined.

Share and discuss scenario visions easily

Each scenario can be annotated and exported as a video visualizing these additional key information for a simplified and unambiguous communication.

A continuous test workflow for ADAS and AD

Thanks to the direct connection of

scenario.architect to ecu.test and test.guide, annotations and verification steps can be reused directly and enable a seamless transition from the scenario, including specification, to the test.

Execution evaluation with ecu.test

Was the scenario executed correctly on the test track or in the specific simulation environment? The addition of verification steps in the scenario description enables checking a previously defined scenario in ecu.test.

OpenSCENARIO® 1.x Support

Scenarios can be exported/imported into OpenSCENARIO® 1.x.

System requirements

- OS: Windows 10, 64-bit version
- Available hard disk capacity: at least 2 GB
- CPU: Intel Core i5 (5th generation), similar or higher
- RAM: 4 GB or more
 - GPU: Minimum: Integrated GPU with at least 1 GB of VRAM
 - Recommended: Dedicated GPU with at least 2 GB of VRAM
- Screen resolution: 1280 x 720 px or higher



Scenario.corchitect Scenario Generator Generates a full factorial set of scenarios for each iteration of the listed parameters within					
their range.					
Name	Туре	Value	Min	Max	Stepping
delta_s	double				
v_egoStart	double	30	30	40	
v_egoMax					0.1
Export settings ESMINI • Written scenario files: 0 / 24846 Estimated dick space: 217,2357 MB Generate Abort					

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