



# SCENARIO-ARCHITECT

## PRODUCT DATA SHEET

VERSION: **2021.4**  
AS OF **DECEMBER 2021**

## SCENARIO-ARCHITECT

INTUITIVE DEVELOPMENT OF SCENARIOS AND SCENARIO-BASED TEST SPECIFICATIONS

The SCENARIO-ARCHITECT is TraceTronic's solution for iterative development of scenarios - live during simulation and based on the corresponding test cases. Within the tool, road users and their behavior can be specified. Furthermore, the content of the scenario can be annotated, which allows the inclusion of the entire test specification. Finally, the results are made available in ECU-TEST or via export as OpenSCENARIO® 1.0 or 2.0, which enables subsequent automated testing and simulation.

### SET UP TYPICAL ROAD SITUATIONS

With the predefined vehicles and maneuvers in SCENARIO-ARCHITECT any traffic situation (e.g., traffic jam, unexpected obstacles or freeway access road) can be recreated rapidly and intuitively.



### CUSTOMIZE THE CONTENT OF A SCENARIO

The track editor provides an easy overview of the content of the scenario and allows to add and configure maneuvers. Include a test specification with the scenario: Annotate the scenario with all necessary test specification details, no further artifact is required for a subsequent test case implementation.





## EXPORT SCENARIOS WITH ANNOTATED VIDEOS

Each scenario can be annotated and exported as a commented video.

## DESIGN AND IMPROVE SCENARIOS ITERATIVELY

The SCENARIO-ARCHITECT turns scenario creation into an iterative process. The current version of a scenario can be simulated at any time - even without external environment simulation. This is ensured by the included open source engine esmini.

## WHAT YOU SEE IS WHAT YOU GET

Supporting visualizations such as highlighting the trajectories of individual traffic participants make it possible to maintain an overview – even in very long or complex scenarios.

## A CONTINUOUS ADAS WORKFLOW

Due to the direct connection of SCENARIO-ARCHITECT to ECU-TEST all annotations are also available in ECU-TEST and allow a seamless transition from scenario incl. specification to test. In addition, artifacts can also be uploaded directly to TEST-GUIDE.

## EXPORT RESULTS AS OPENSENARIO® 1.0 OR 2.0

All scenarios can be exported to the open standards OpenSCENARIO® 1.0 and 2.0.

## SYSTEM REQUIREMENTS

- OS: Windows 10, 64-bit version
- Available hard disk capacity: at least 1.5 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

