MES TEST CENTER
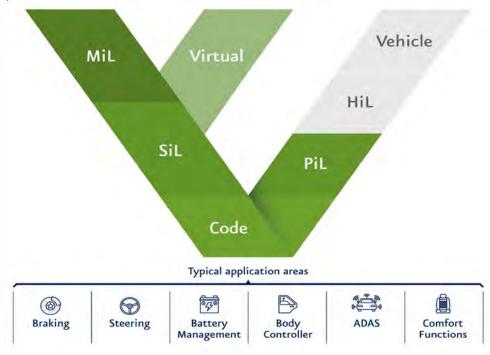
ISO 26262-compliant Quality Assurance Services for Embedded Software based on Simulink®/Stateflow®, Embedded Coder®, and TargetLink®

Because We Believe in Quality Engineering

Quality assurance of software is as much a professional discipline as the software development itself. Our experienced software engineers will support you with safeguarding your software, so that you can focus your resources on developing it. We use highly specialized software tools and quality assessment procedures, including many that we have developed in-house, to allow you to automate your quality assurance in the best possible way.

MES Test Center provides comprehensive safeguarding activities for total software quality from model-in-the-loop (MiL) to processor-in-the-loop (PiL), and virtual-in-the-loop (ViL)

Key Benefits

- Short-term support in case of capacity limitations among your test experts

- Complete management of test projects at a fixed price

- Minimized maintenance and post-processing effort, increased efficiency through optimal automation

- Experience and expertise of ISTQB-certified testers

MES Test Center bundles the full range of MES services for quality assurance and safeguarding of embedded software in the car.

ISO 26262-compliant Verification and Quality Assurance

- Requirements-based verification of safety-critical software in compliance with ISO 26262 from QM level up to ASIL D

- Full documentation of verification activities as required by ISO 26262

Verification of Simulink®, TargetLink®, and Embedded Coder® Models

- Functional testing on MiL, SiL, and PiL levels, with full support of black-box models

- Comprehensive test evaluation and detailed reporting with requirements traceability

- Automated verification of functional requirements using global observation assessments

- Automated verification of model changes / model versions with regression tests

- Automated verification of generated code with back-to-back tests

Safeguarding From Requirements to Implementation

- Requirements evaluation and assessment.

- Expert in-depth review of model and code with regard to system design, testability, complexity, and guideline compliance

- Model refactoring and model preparation for optimal auto-code generation

Knowledge Transfer and Effective Tools

- Improvement of model design and implementation strategies to reduce verification and quality assurance efforts

- Optimal tool platform for testing complex systems with multiple test variants to reduce test redundancies and test effort

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Our Customers Trust our Expertise:

SIEMENS   **CATL**   **ZF**   **VW**