



Company profile

Razorcat Development GmbH creates test tools for software development of embedded systems for more than 25 years. The unit and integration test tool TESSY is certified to IEC 61508, IEC 62304, ISO 26262 EN 50128 and it already supports many software projects in all industrial branches in their verification of safety critical and high-quality software. Together with the Integrated Test Environment (ITE), Test Operator Platform (TOP) and Check Case Definition Language (CCDL) tools, Razorcat offers solutions for all stages of the test process. Services like test management, testing, consulting and seminars additionally support customers worldwide. More information about Razorcat at www.razorcat.com.

Areas of expertise

- Development of software test tools for the certification of safety-relevant products
- Test planning and execution for all test levels
- Seminars and training courses on the topics of test methodology, test process and test tools
- Advice, consulting and project support

Our services

Test services

Our test services include the standard-compliant design and execution of unit tests, integration tests, component tests and system tests as well as the execution of regression tests for your embedded software.

- Test planning
- Test creation
- Test execution
- Test management

Development

- Test systems and interfaces
- Embedded and PC based systems

Consulting Services

- Continuous integration
- Test strategy
- Test guidelines
- Test plan
- Certifications

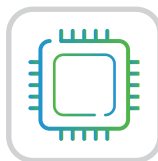
Trainings

- Product trainings
- Coaching on site
- Workshop



Industries

- Automotive
- Aerospace
- Semiconductor
- Industrial
- Medical
- Traffic



Focus areas

- ☒ **Testing & Validation**
 - ☐ Modelling & Simulation
 - ☐ Automation & Internet of Things
- ☒ **Implementation & Integration**
- ☒ **Safety & Security**
 - ☐ Research & Founding
 - ☐ Digitalization & Artificial Intelligence
- ☒ **Coaching & Education**

Products

TESSY

TESSY is a powerful, certified test tool for unit and integration testing of C/C++ embedded software, supporting the most common microcontrollers, compilers, and debuggers. It is qualified for safety-critical software development according to the standards EN 50128, IEC 61508, IEC 62304 and ISO 26262.

CTE

The Classification Tree Editor (CTE) is a graphical editor for systematically creating test cases based on the Classification Tree Method (CTM). It helps identify key classifications and visualize test combinations. CTE generates fault-sensitive, redundancy-minimized test cases and optimizes test coverage with minimal overlaps, making it ideal for black-box testing based on functional specifications.

ITE

The Integrated Test Environment (ITE) is a powerful test management software that supports the entire system testing process - from planning to evaluation. It provides a central platform for managing tests and enables seamless traceability of requirements and test changes. ITE is suitable for both small and large test teams and includes integrated requirements management, which can be used directly or seamlessly connected to external tools.

CCDL

The Check Case Definition Language (CCDL) is a test specification language specifically designed for black-box system testing. It enables easy, self-documenting, and efficient creation of test scripts. CCDL is characterized by its ease of learning, high expressiveness, flexibility, and performance. It significantly reduces the effort required for powerful, requirements-based system and hardware-in-the-loop (HiL) testing.

TOP/TRM

TOP/TRM is a multi-user solution optimized for managing system test environments. It controls test execution with CCDL on middleware platforms such as Xentara by Embedded Ocean GmbH or HiL4YOU by iSyst Intelligente Systeme GmbH. Through server-based management and test control, TRM enables optimally synchronized use of valuable HiL test systems, even with multiple users.



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