

```

let currentTemp = res.main.temp;
let maxTemp = res.main.temp_max;
let minTemp = res.main.temp_min;
}
console.log(weatherDescription);
console.log(currentTemp);
    
```

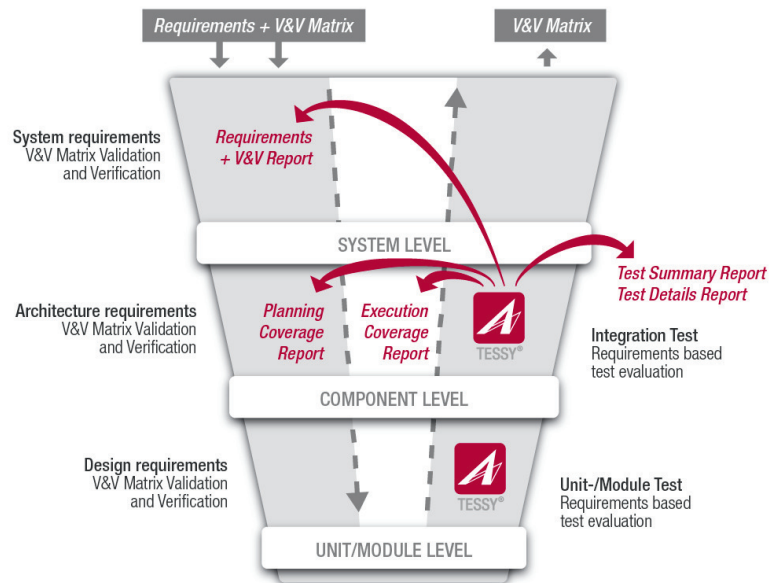
GSAS Micro Systems Pvt Ltd has partnered with Hitex, Germany to promote Razorcat's Unit Testing Tool TESSY in India. With TESSY user can carry out automated, dynamic module and unit tests of embedded software, while determining the degree of code coverage at the same time. These tests are required for certifications according to the DO -178 , IEC6 1508 , IEC62304 , ISO26262 and EN50128 standards with an optional Tool Qualification Package.

Automated testing of embedded software

TESSY automates the whole unit test cycle including regression testing for your embedded software in c/c++ on different target systems. It guides you through the unit test workflow from the projects setup throughout the test design and execution to the result analysis and reporting. The tool takes additional care of the complete test organization as well as the test management, including requirements, coverage measurement, and traceability.

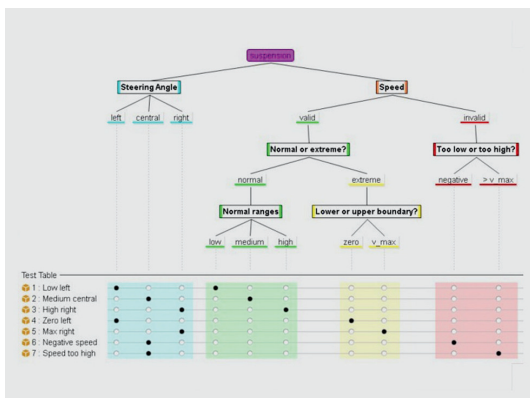
Key Features

- Automated test execution/regression testing
- Test report generation
- Code coverage without extra effort
- Integration testing
- Traceability of requirements to test cases
- Qualified to be used in safety-related software development
- Testing on host or actual hardware
- Supports wide range of microcontrollers
- Mutation Testing
- Testing effort estimation and tracking.
- Support for testing of software variations.



The Classification Tree Method (CTE)

TESSY's integrated Classification Tree Editor (CTE) enables systematic and structured test design.



- Converts functional specifications into executable test cases.
- Visualizes input domains and equivalence classes to improve coverage.
- Automatically generates test suites with low redundancy and high efficiency.
- Supports modifications easily when requirements evolve.

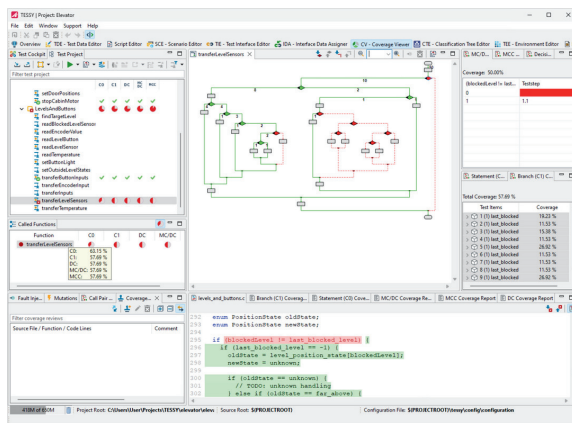
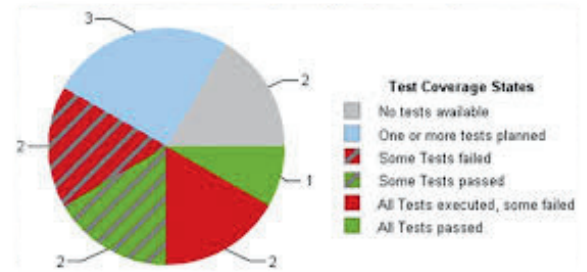
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Requirement Management

TESSY provides strong integration with requirement engineering tools.

- Import requirements from DOORS, Polarion, ReqIF, and other formats.
- Link, verify, and track test coverage of every requirement.
- Simplifies certification by producing traceability reports for audits.



Code Coverage

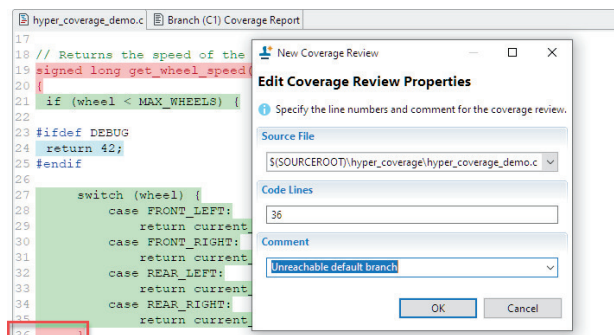
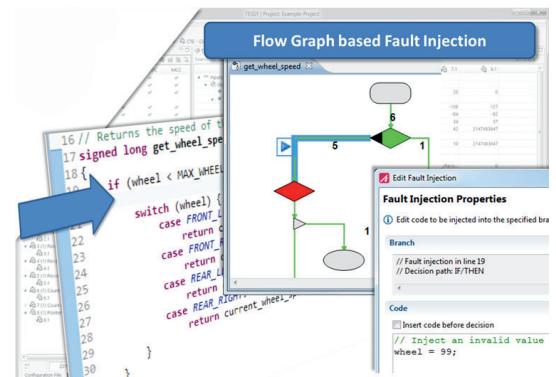
TESSY offers detailed coverage measurement to ensure code quality.

- Supports statement, decision, condition, and MC/DC coverage.
- Graphical and textual reporting for quick analysis.
- Pinpoints untested paths and optimizes test strategies.
- Enables compliance with standards like ISO 26262, DO-178C

Fault Injection

TESSY allows testers to validate the robustness of software under unexpected or abnormal conditions.

- Insert artificial faults at runtime to analyze system resilience.
- Identify hidden weaknesses and increase system reliability.



Code Access and Hyper Coverage

- Source code lines can be marked with predefined or custom comments to document unreachable code.
- Reviewed lines are included in Code Access (CA) and Hyper Coverage (HC) measurements.
- All reviews per file appear in the Coverage Review view and test summary report.

➤ Reach out to us at tessy@gsasmspl.com