test.guide
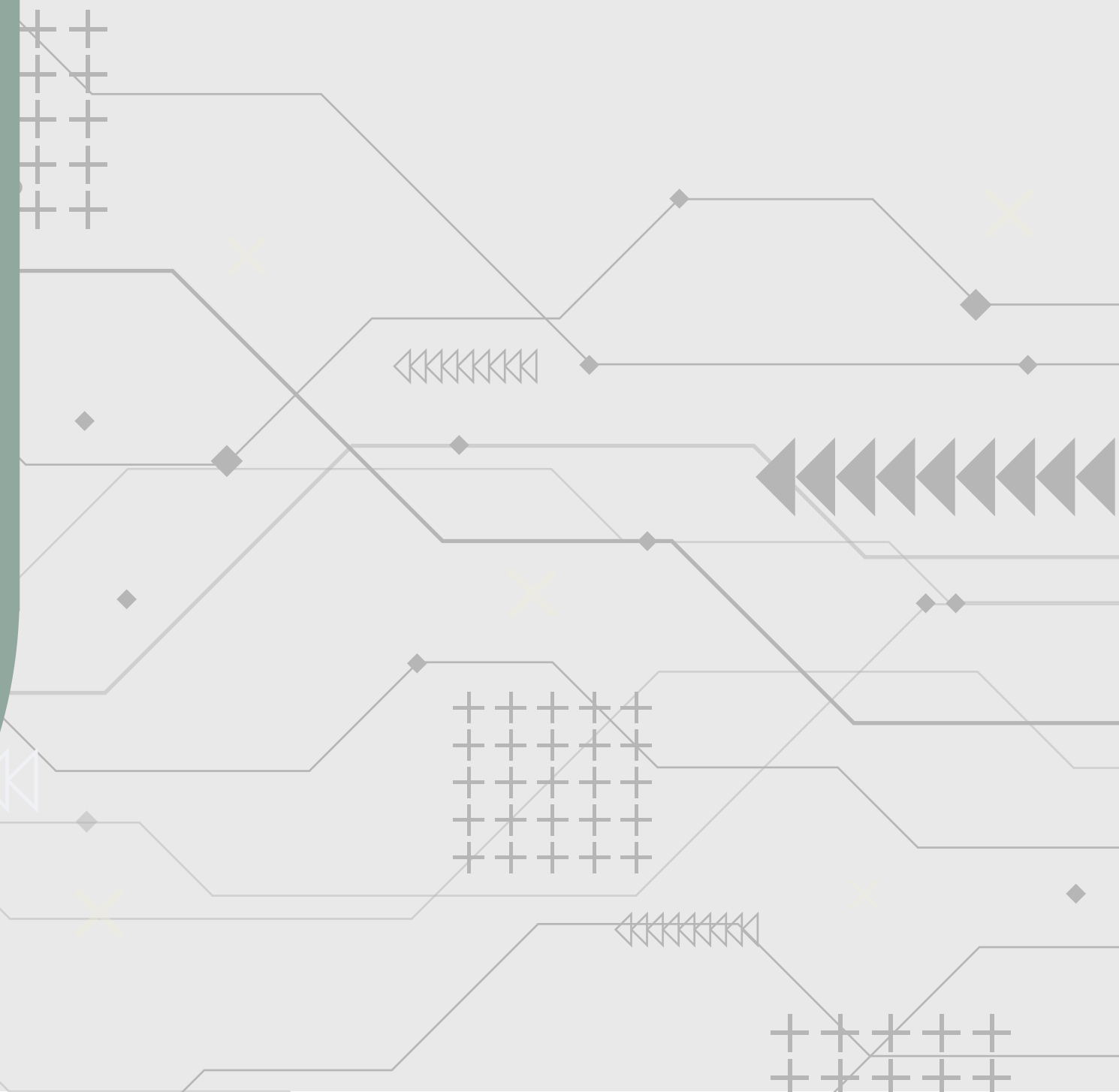
Product brochure

SOFTWARE TESTING. SIMPLIFIED.

test.guide is the central element in the testing process, collecting and processing all relevant information in real time. It combines test data management, test result analysis, and continuous monitoring of the test infrastructure. At the same time, it orchestrates automated test pipelines for different requirements.

Dashboards as well as powerful filter and visualization functions allow for detailed evaluation of results, early identification of software defects, targeted tracking of test progress, and creation of final reports, including revision-proof reports for homologation. This ensures complete traceability and significantly reduces time-to-market for software releases.

test.guide connects each role in the testing process, guaranteeing seamless data access and transparency — from the first line of code to the release.
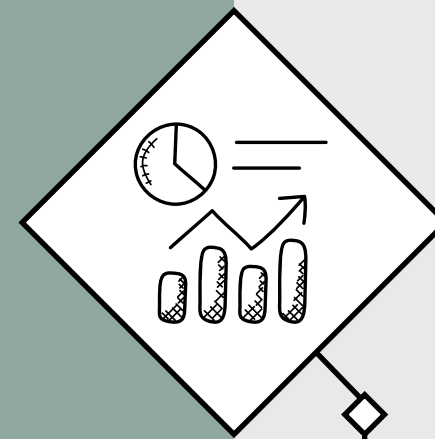
- Centralized, cross-role data access

- Early error detection and defect management

- Release management with test coverage control

- Creation of automated, scalable test pipelines for CI/CT in distributed test systems and in the cloud

- Continuous quality assurance through quality gates

- Analysis of heterogeneous test results with powerful filter and search options

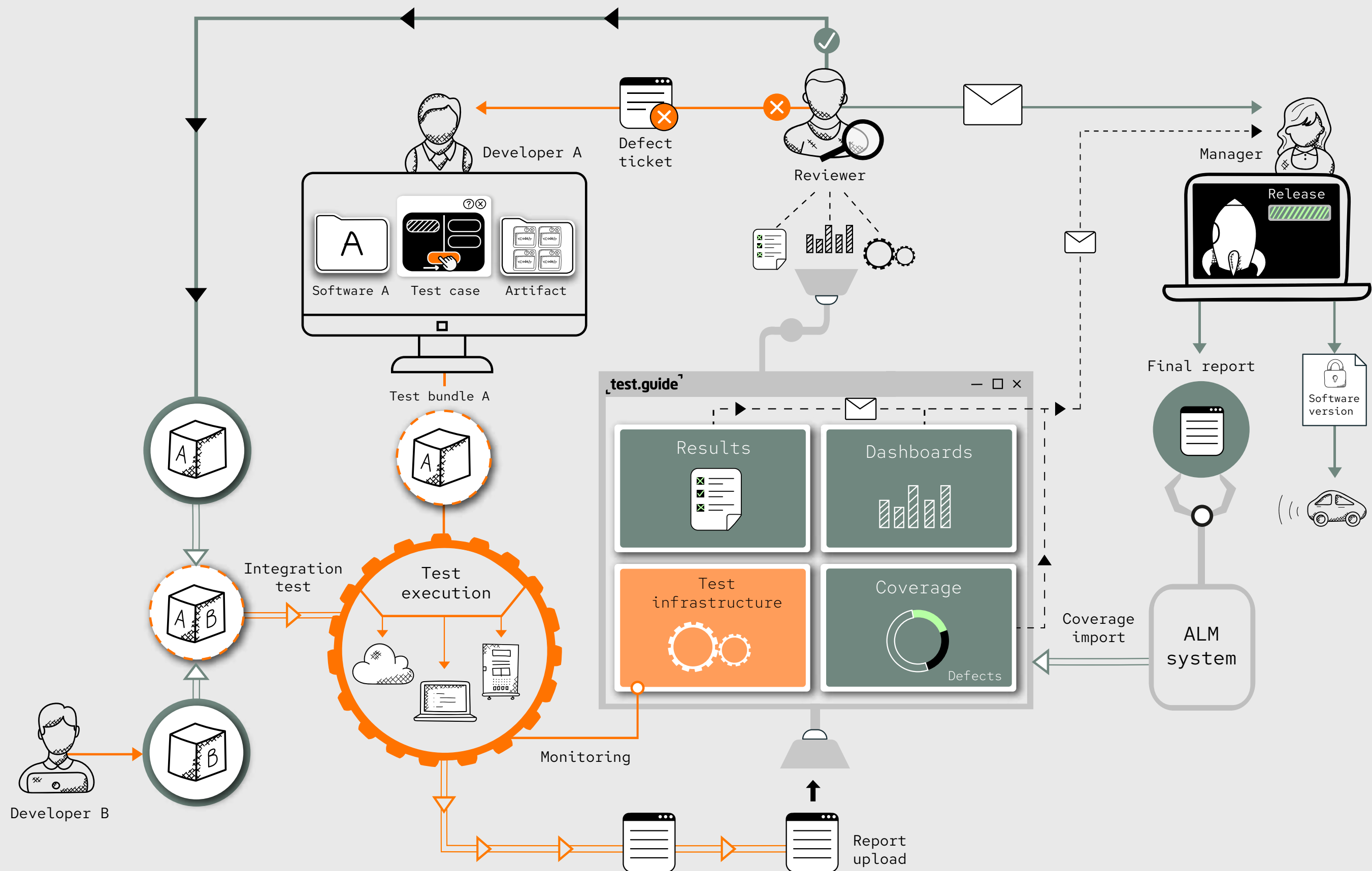- Live dashboards for real-time overview with customizable widgets

- Dynamic monitoring of the test infrastructure

- Complete traceability of the test process from requirement to release

THE FUNCTIONALITY OF
test.guide

test.guide provides a framework for efficient test management, turning test results into meaningful, customized conclusions for everyone involved in the testing process.

◇ Create playbooks for automated test execution
◇ Create defect tickets from reviews
◇ Create notifications
◇ Connect ALM systems
◇ Export reports into multiple formats
◇ Book resources via calendar

Developer A

Software A   Test case   Artifact

Defect ticket

Reviewer

Manager

Release

Test bundle A

Final report

Software version

Integration test

Test execution

Developer B

test.guide

Results

Dashboards

Test infrastructure

Coverage

Defects

ALM system

Coverage import

Monitoring

Report upload

YOUR ADVANTAGES AT A GLANCE

Provides an overview of test reports

test.guide collects test results from every system and prepares them in a structured format – even for large amounts of data. With powerful filters, comparison options, and information all in one place, identifying sources of error and conducting reviews is a breeze. Subscriptions, notifications, and dashboards ensure efficient and transparent cross-team collaboration.
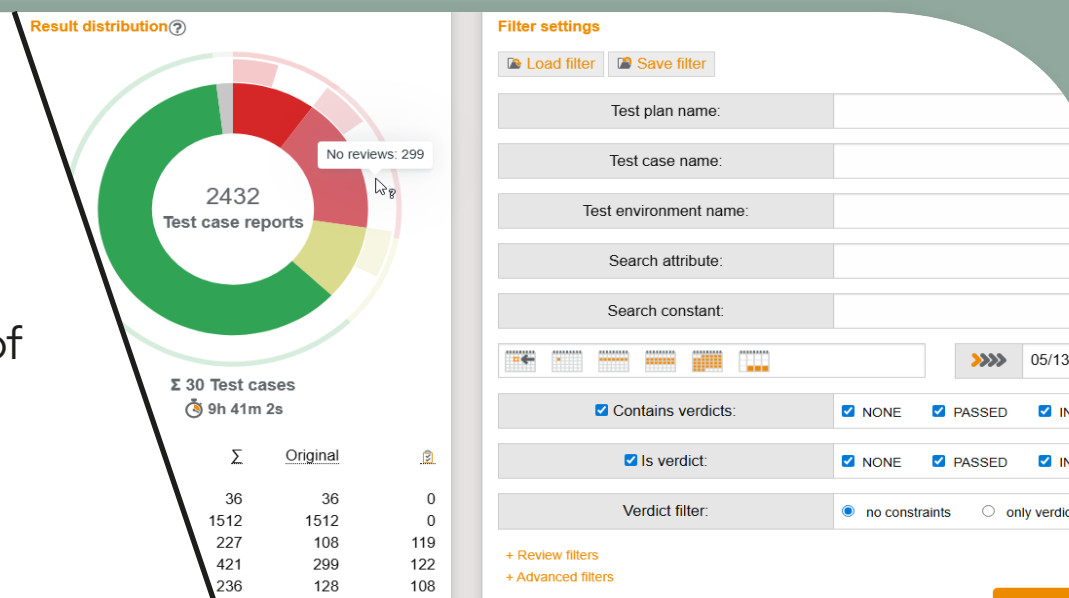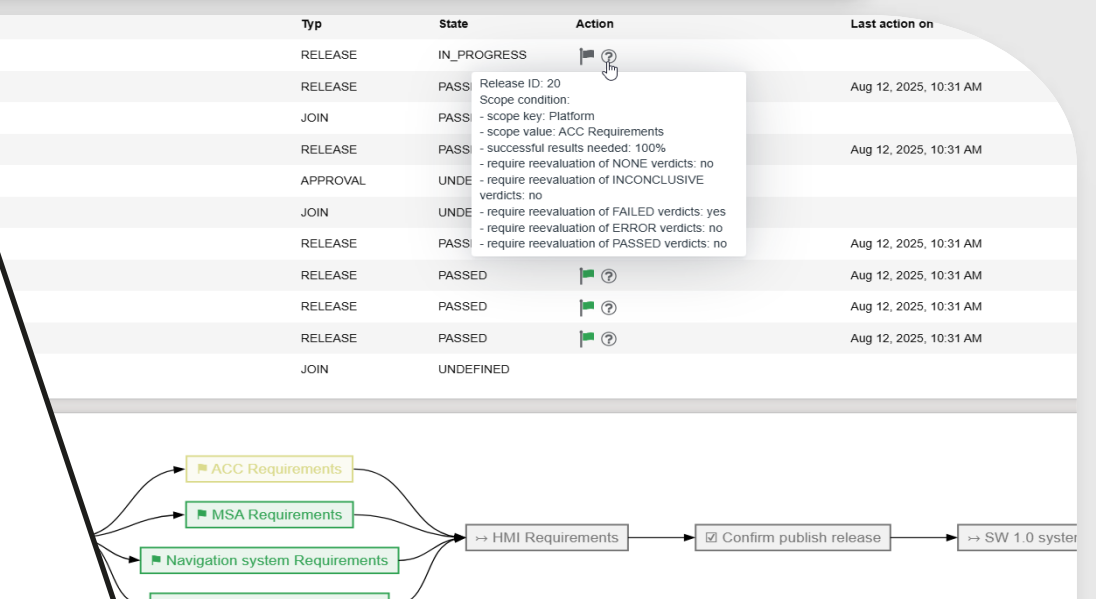
Gives user-specific feedback

test.guide supplies each role in the testing process with exactly the information they need via the channels they use every day. While developers receive Jira tickets with logs and screenshots for troubleshooting, managers receive key figures and diagrams on test progress via Outlook email. This transforms test results into valuable knowledge that supports decision-making and improves software quality in the long term.
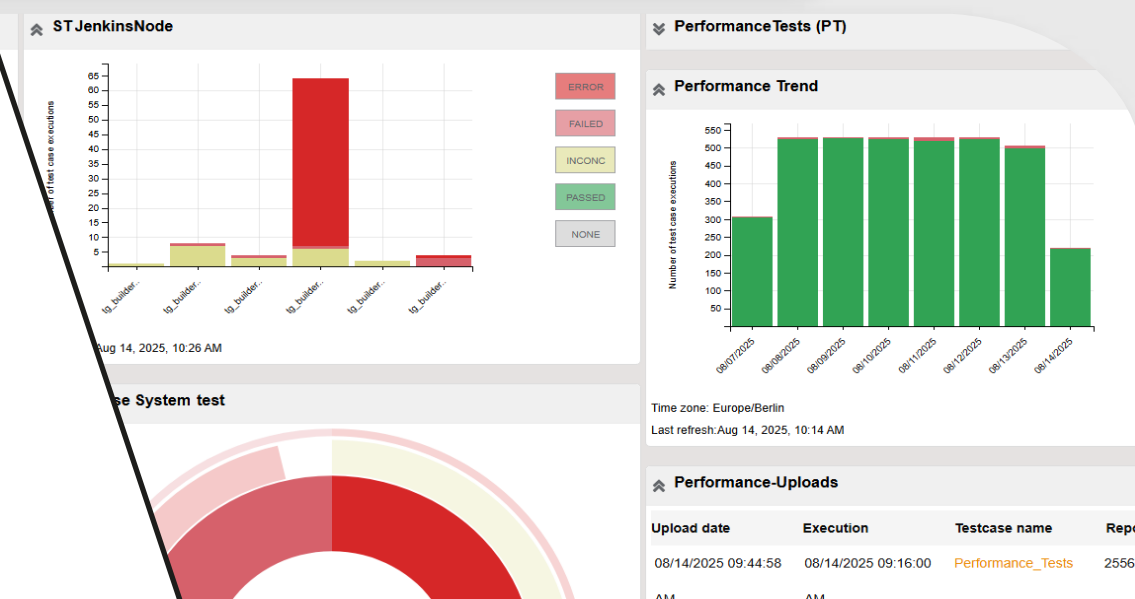
Optimizes resource utilization

Quality gates visualize the testing process in stages, ensuring that only successfully tested components are approved for integration testing. This prevents testing resources from being wasted on faulty integrations and significantly reduces the effort required for unnecessary test runs. This saves time, reduces costs, and increases efficiency throughout the entire development process.

Scales test execution

test.guide automatically spots test tasks and distributes them to suitably configured physical or virtual test benches. It also optimizes resource utilization through parallelization. Playbooks define the entire process, enabling smooth, continuous testing – day and night.

Monitors test infrastructure

When performing a large number of tests, it is crucial to use test resources efficiently. Test time on test benches is valuable, so no resources should be left unused or in an error state. Continuous recording and real-time transmission of system data, along with automatic distribution of test tasks to suitable and available test benches, ensure optimal utilization.

Automates workflows

Automated processes relieve teams of tedious, repetitive tasks. This saves time, prevents errors, and frees up resources for core development work. Modular workflows automatically start when events occur, such as reviews, artifact uploads, or coverage checks. Then, they trigger defined actions, like sending notifications or starting follow-up processes.

10 REASONS TO CHOOSE test.guide

Distributed teams are always up to date, as relevant information can be made available to the right person at any time.

Test processes are significantly accelerated, as manual testing efforts are reduced through the automated execution of open test tasks.

Quality gates improve software quality by only releasing successfully tested software to the next integration stage, thereby avoiding unnecessary testing for known defects.

The integrated review process simplifies the evaluation of failed test runs by enabling pattern recognition, comparisons, and defect ticket creation.

Test coverage increases quickly because automated test executions can run in parallel on distributed test systems and in the cloud.

Test activities are transparent and traceable at all times because all test results and artifacts are centrally managed, fully documented, and clearly displayed.
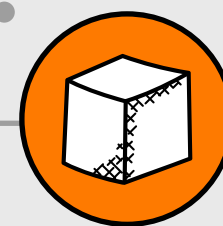
Software defects are identified early on because test results are available in real time and can be analyzed quickly.

**Individual workflows can be seamlessly integrated,** as test.guide can be connected directly to existing tools via APIs.

The pace of development is accelerating significantly, as automated CI/CT pipelines trigger software builds and tests, enabling short feedback loops and direct feedback.

The release capability is continuously ensured, as new software versions are integrated more frequently and tested more quickly.

RELEASES

We don't just talk about continuous release capability — we embody it! We develop continuously, test automatically, and release a new version of test.guide every 14 days. By doing so, we are writing our own success story, which you can read about in the changelog.
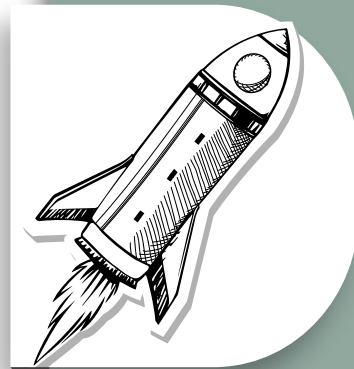
SUPPORT

We provide comprehensive technical and strategic support from all our locations:

- Initial setup
- Problem analysis and solution
- (Best practices) advice
- Adapting test methods and strategies to your workflows

ENGINEERING

As an end-to-end solution provider, we develop continuous workflows to execute software tests in great detail and comprehensively, with a very high degree of automation.

We can also customize your existing systems – from simple workflows to complex, dynamically scaled automation solutions in the cloud.
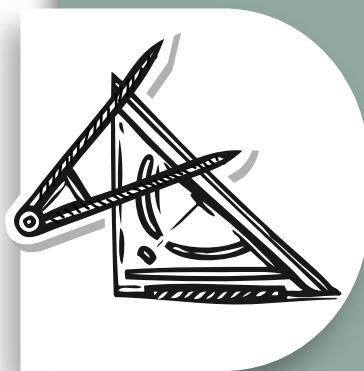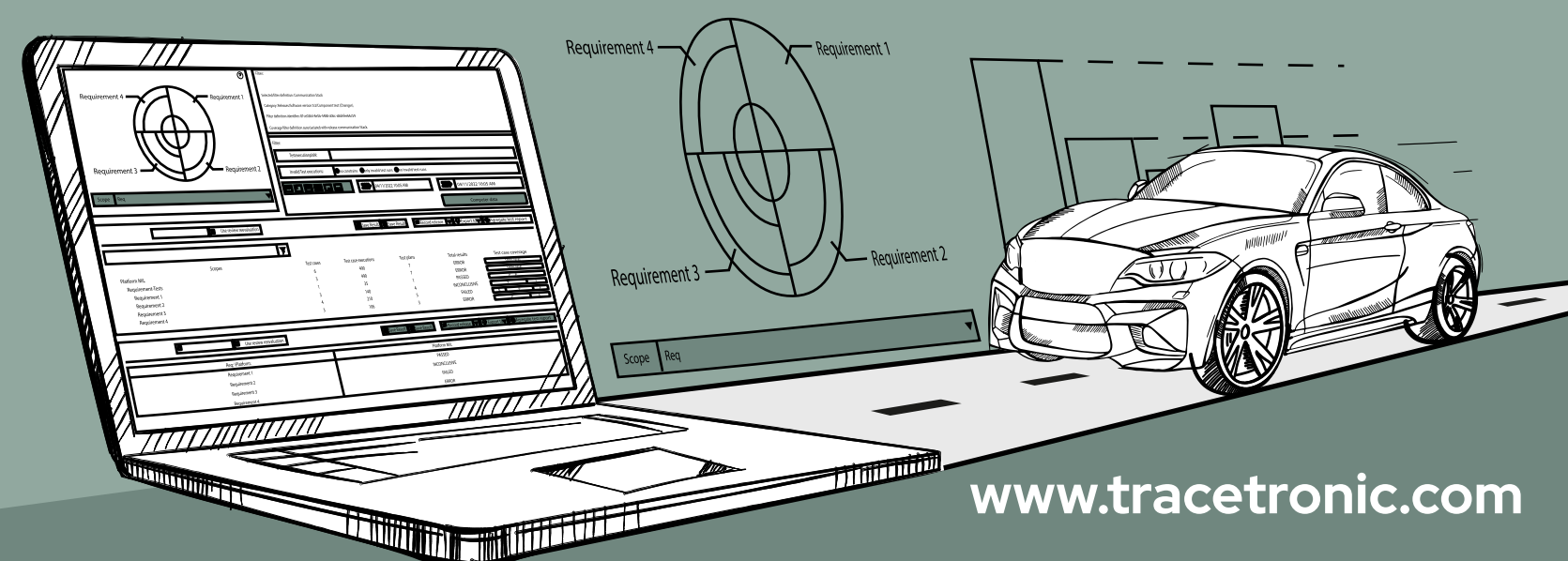
„tracetronic

tracetronic supports automotive manufacturers and suppliers in the development of highly complex automotive software with software products and customized services. The focus is on solutions for an automated test process in all phases of software development – from unit tests to integration tests in the vehicle.

tracetronic was founded in 2004 as a university start-up at the Technical University of Dresden and is now a global company. It currently employs over 400 professionals, students and trainees.

The tracetronic group is headquartered in Dresden, Germany, with additional offices in Munich, Ingolstadt, Stuttgart, Hamburg as well as in the USA, South Korea, Japan and China.
Our products and solutions are used by more than 400 customers in over 30 countries worldwide, including Audi, BMW Group, Bosch, BYD, Mercedes, Stellantis, Valeo, Continental, Daimler, Ford, John Deere, Magna, Porsche, Rivian, Siemens and Volkswagen.

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