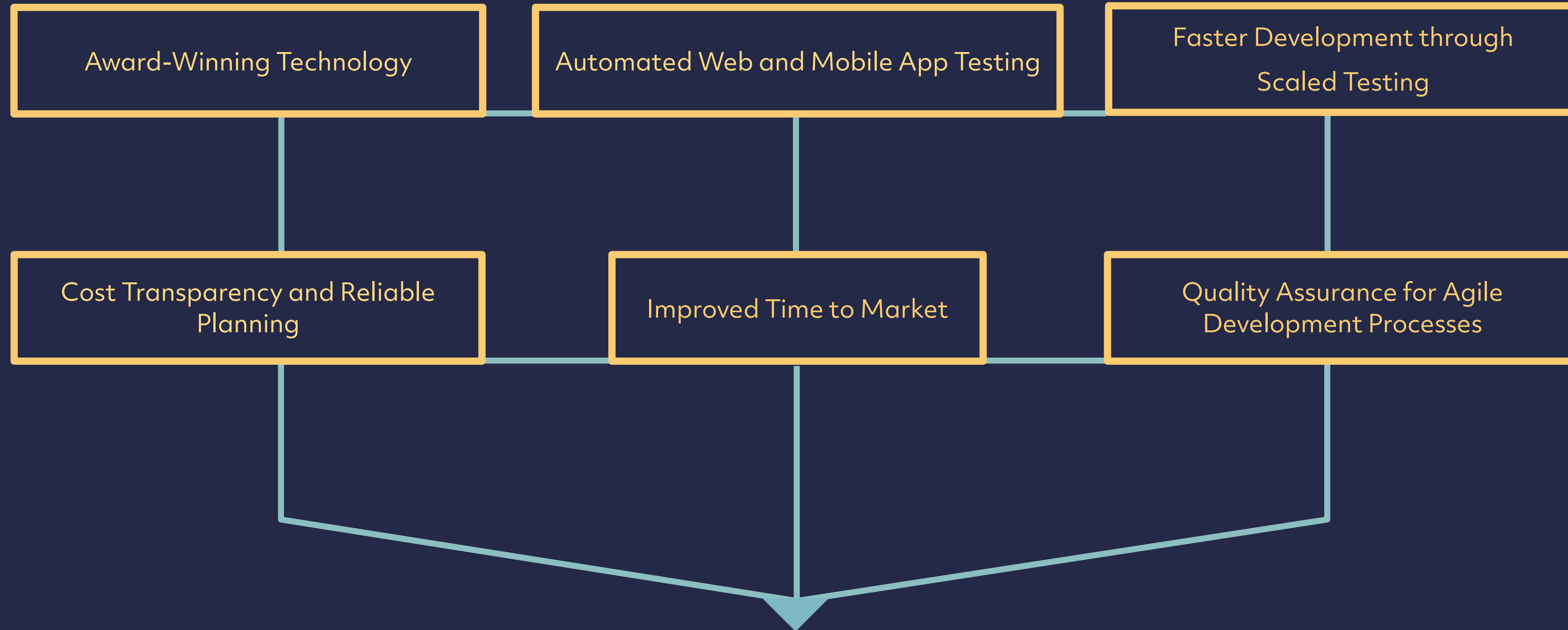




Enterprise

Test Infrastructure and Automated Testing



webmate - Intelligent Cloud Testing Solutions



- University Spin-Off founded in 2013
- Multi-Award-Winning Tech Company
- Main Focus: Automated Web and Mobile App Testing
- > 25 Employees working in Saarbrücken (DE)
- Development of **webmate**





R+V

Allianz 

COSMOS DIREKT 

ATRUVIA

DOUGLAS

TeamBank

T-Systems

Cornelsen

TechniSat

The webmate Platform

MANUAL AND AUTOMATED TESTING

Supports both classic acceptance testing and modern agile approaches with CI/CD pipelines

ENTERPRISE INTEGRATION

Customized network and tool integrations, project structure designed for large teams

TEST ANALYTICS AND MANAGEMENT

Detailed analysis of test results, bugs, errors, and resolved issues



CLOUD-BASED AND ON-PREMISE TESTING INFRASTRUCTURE

Desktop and real mobile devices - at the touch of a button

LOW-CODE SOLUTIONS

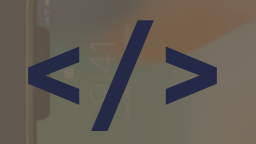
Less coding, more test coverage

AUTOMATED REGRESSION TESTING

Compare your applications to a set of defined metrics of a reference version



Cloud-Based and On-Premise Testing Infrastructure



Your mobile apps and websites need to work properly on more and more devices and browser versions.

Your customers use a wide variety of computers and mobile devices to sign contracts, make transfers, or simply learn about your products.

How do you cover all these scenarios when testing?

95 % Market coverage in Europe ~ **386** Device models

Source: <https://www.scientiamobile.com/device-fragmentation-growing-20-per-year/>





Need a diverse, flexible and cost-efficient test infrastructure - all with little effort?

- Maintaining your own mobile device and VM farm is **extremely costly** and diverts attention from the core business.
- There is **no standardized process in data centres** concerning mobile hardware and macs: its operation is often „unofficial“.
- Using physical devices is costly and arduous - and not only while **working remotely** (loan, return, reservation, etc.).
- Providing central, local mobile devices for automated testing is technically challenging.

Permanent cost for providing
30 mobile devices + 20 virtual machines
for manual and automated testing

~5 FTE*
+ Hardware Costs

* Full-Time Employees; according to own estimate



Reliable Cloud-Based Test Infrastructure with webmate

- Large variety of real mobile devices
- Private Cloud provisioned for exclusive usage
- Public Cloud including a **large variety of devices**

- Windows and Mac operating systems with a variety of browsers



- Fully integrated in **manual and automated testing processes (CI/CD)**
- **Hosted and operated in Germany**
- On-Premise operation possible

The screenshot displays the webmate interface for device deployment. At the top, there are navigation tabs: 'WEBMATE PRESENTATION' (selected), 'ADMINISTRATION', and 'DOCS'. Below the navigation, a heading reads 'Choose a device to deploy into slot *Public 1*:'.

The main area contains a grid of 15 device cards, each representing a different mobile device configuration. Each card includes a device image, the device name, the iOS version, and the browser version. The devices shown are:

- Apple iPhone XS (14.8), 1.21.0 browser
- Apple iPhone XS (14.3), 1.21.0 browser
- Apple iPhone XR (14.4), 1.21.0 browser
- Apple iPhone X GSM (14.6), 1.21.0 browser
- Apple iPhone X GSM (14.0.1), 1.21.0 browser
- Apple iPhone SE 2nd... (15.1), 1.21.0 browser
- Apple iPhone SE 2nd... (14.7.1), 1.21.0 browser
- Apple iPhone 8 Plus (14.0.1), 1.21.0 browser
- Apple iPhone 8 (14.6), 1.21.0 browser
- Apple iPhone 13 Mini (15.1.1), 1.21.0 browser
- Apple iPhone 13 (15.2), 1.21.0 browser
- Apple iPhone 13 (15.1.1), 1.21.0 browser
- Apple iPhone 12 Pro (15.2.1), 1.21.0 browser
- Apple iPhone 12 Mini (15.3.1), 1.21.0 browser
- Apple iPhone 12 Mini (15.2.1), 1.21.0 browser



Manual and Automated Testing



Automated Testing

- Forms the basis of agile development
- Quick feedback
- Improves DevOps performance
- Identifies regressions effortlessly
- Enforces quality software design



- Validation of automated tests
- Still relevant regarding non-functional aspects (layout, performance, user experience, accessibility)
- Analysis and retesting of bugs

Manual Testing



webmate Automated Testing

1 Use your existing pipelines and tests

2 Combine the webmate test infrastructure with its services - with little effort

3 Benefit from...

CI/CD

Test Frameworks

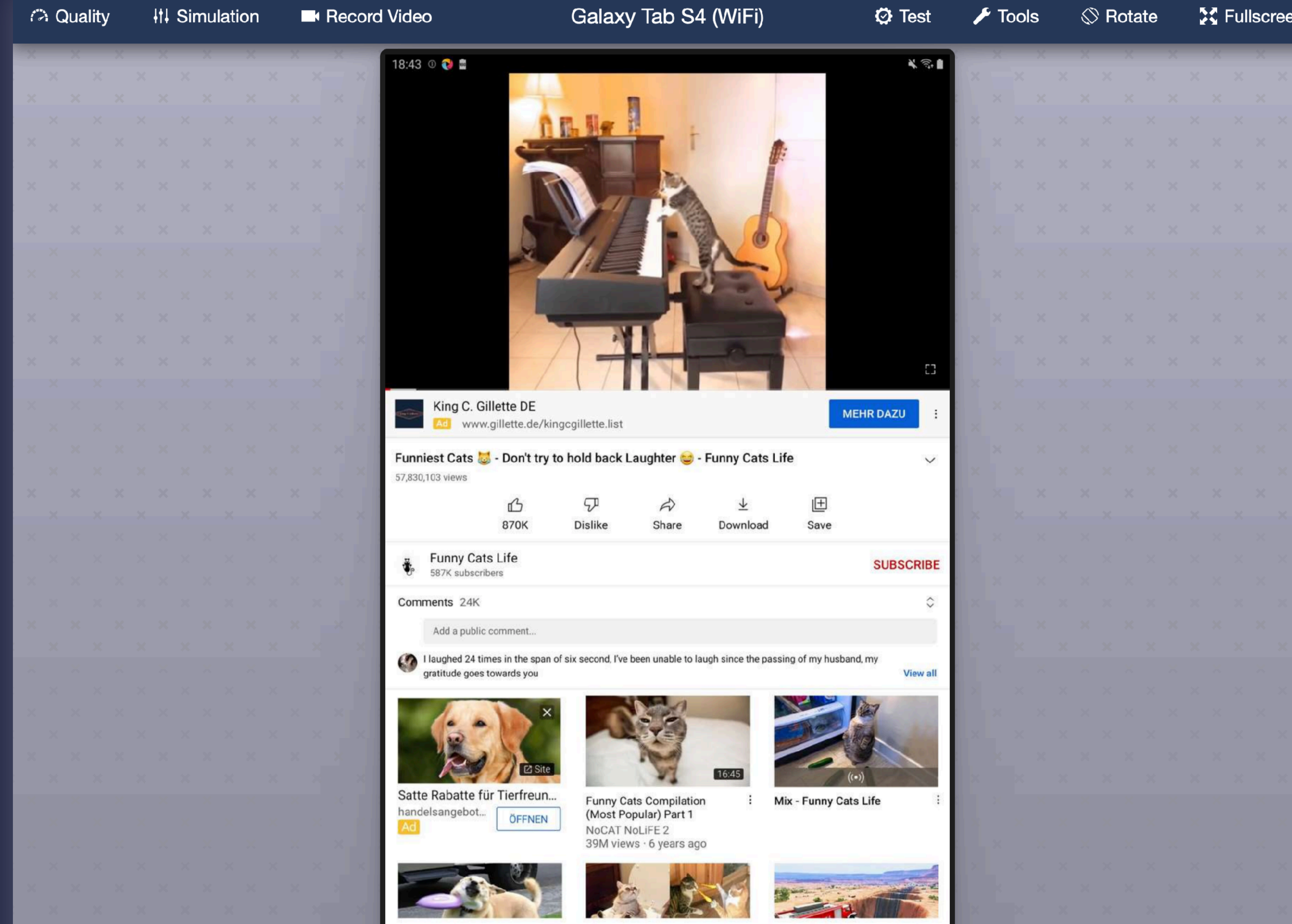


Cloud-Based Infrastructure	Stable Test Execution	Faster Test Execution
Automated Regression Testing	Analysis of Past Test Session	Visual Testing
Special Types of Testing	Email Testing	Integrations



webmate Manual Testing

- Remote controlling test infrastructure (desktop + mobile) from browsers
- Gesture recognition (e.g. rotating and swiping)
- Simulation of camera photos, GPS, network conditions, and biometry
- Access to internal testing systems
- Test process protocol in webmate (video, bugs, emails, etc.)





Low-Code Testing Solutions





„All I wanted was a boiled egg.“

One does not write a letter in Java.

One does not edit a photo using a script.

But one needs a developer for a simple test?

Test Automation Engineers
are rare and expensive.

Every Automated Test is an
investment.

Regarding specific testing
goals, generic approaches
are often inefficient.

Low-Code Tests are specific solutions
for specific testing problems.



Let test automation guide you on your journey to agility. We enable your agile teams.

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Test Consulting and Test Manufactory





Contact us and schedule a demo!



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