

Test Consulting

Optimization of test projects



- » **Optimized test environments reduce costs**
- » **Clear responsibilities simplify processes**
- » **Transparency reduces management effort and increases scalability**



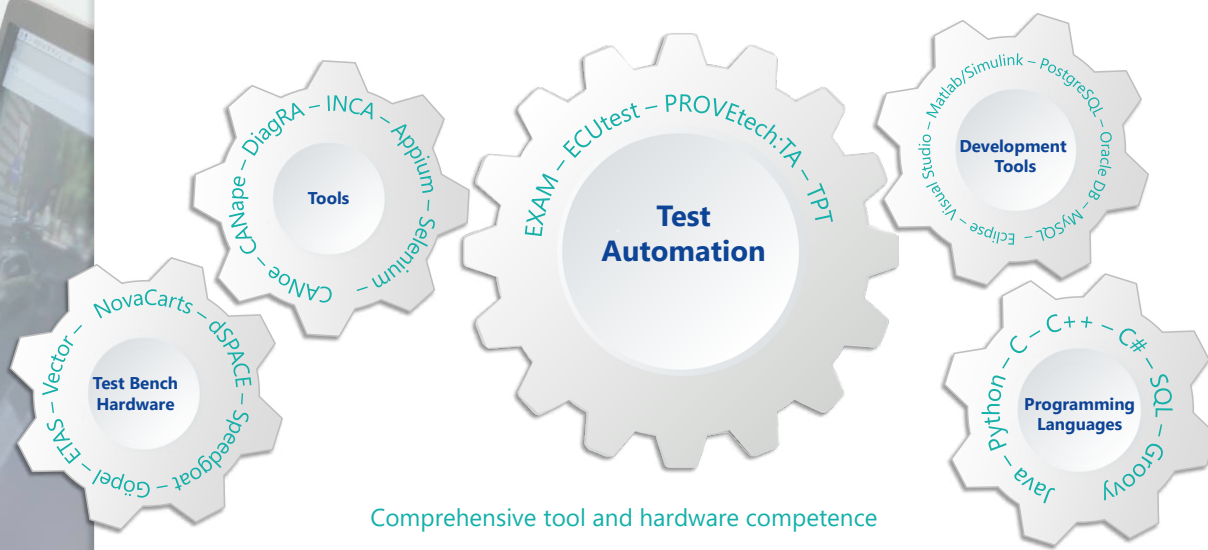
Test Consulting

Digital transformation is currently presenting the automotive industry with major challenges, such as the development of its own vehicle operating system and highly automated driver assistance systems, the networking of vehicles as well as constant software updates and the subsequent delivery of new functions over the air. These areas require efficient and reliable validation. The necessary depth of testing can only be achieved through a high degree of automation.

With over 30 years of experience in the field of automotive testing, MicroNova supports automobile manufacturers and suppliers in designing suitable test processes, while also offering technical support for subsequent implementation.

Services at a Glance

- » Advice and training on the appropriate test process
- » Advice and training on the appropriate test method
- » Implementation of the EXAM test automation solution
- » Deployment of suitable tools (e.g. Test Case Generator)
- » Implementation of integrated tools for test automation
- » Ramp-up and optimization of capabilities



Comprehensive tool and hardware competence

Consulting & Training

Our consulting services range from the conceptual design and selection of the appropriate test method, the support for tool extensions and the initial setup of the test automation solution to the complete test project.

The extensive training services offered by MicroNova Consulting include workshops for the selection and introduction of the test process and the appropriate test automation for the particular application, as well as training courses on our EXAM test automation solution and the Test Case Generator (TCG).

Test Process

- » Test planning and management
- » Test analysis and design
- » Test implementation and execution
- » Evaluation and reporting
- » Completion of test activities

Test Automation

- » Introduction to the various test methods
- » Model-based
- » Scenario-based
- » Synchronization with requirements management
- » Test case generation
- » Reporting

EXAM & TCG Training

- » Introduction to the basic functions
- » Manual test case generation
- » Integration of the TCG into the EXAM test automation solution
- » Final test (EXAM driver's license)

Ramp-up and Optimization of Capabilities

MicroNova Consulting provides support for the optimization of test projects as well as for the set-up of test facilities – from design to test report.

01 Kick-off

- ✓ Identify the problem
- ✓ Build design team from stakeholders
- ✓ Define the test focus

03 Implementation

- ✓ Involve MicroNova's technical experts
- ✓ Create model policies
- ✓ Roll out test automation
- ✓ Develop a dashboard

05 Further development

- ✓ Library adaptations to new test requirements
- ✓ Integrate new tools into test automation
- ✓ Expand the dashboard



02 Planning

- ✓ Determine current status
- ✓ Coordinate requirements with stakeholders
- ✓ Define targets and prioritize tasks
- ✓ Define test management KPIs

04 Validation

- ✓ Analyze test results

Your Benefits from our Experience:

- » Improved maintainability and reduced downtimes lead to optimized test environments and lower costs.
- » A clear assignment of responsibilities thanks to clear processes simplifies procedures.
- » Increased transparency reduces management effort and increases scalability.

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