iSYST

Products

Our Products

Innovation is what we aspire, in product development, too. The general market demand for reliable software and hardware test systems and our customers' specific requirements and demands continually inspire us to target-oriented development. In cooperation with our partners from industry and research, we are working on innovative solutions for

the problems of today and tomorrow. Our customers can rely on us, our innovative products and their operation as well as our cost-effectiveness. With our products, we ensure the functional safety of customer systems.

And we look forward to possibly provide the same for you, too.

Hardware test systems

Extreme environmental conditions require robust hardware to function reliably. As such, it has to be specially qualified for the use under such conditions. For this purpose, we use our established, flexible and modular design concept, which allows measurements at any time, even „online" during test operation directly at the rack. The system can be quickly adapted to new sample stands.
We know the key parameters and mechanisms that may lead to failure. This results in reliable statements about your hardware product's functional safety.

Test components

Whether as part of our hardware or HIL test systems, as components for third-party systems performance improvement or as stand-alone modules, our wide range of test components are robust, reliable and effective.
In addition to our hardware you also benefit from our knowledge regarding system integration. We provide consulting to help you make the right choice for the best possible components for your specific test project. You can rely on us - and our test components!

HIL test systems

Hardware in the Loop (HIL) systems offer the possibility to test both single as well as several control units for their functionality by simulating certain conditions under real-time conditions and multiple environmental influences.

Depending on our customer's requirements, we use real-time computers from dSPACE, National Instruments and The Mathworks as a basis or work with our iSyTester developed in the E4Y group.

Working with Gamma V(RST) on Linux RT, it can easily keep up with competitors' performance at significantly lower costs. Our modular solutions are customized and tailor-made.

This provides you with the perfect tool for upcoming test projects with a high degree of automation.

Our HIL systems: designed just for you to meet your testing tasks!

iTestStudio

iTest Studio emerged and lives from our vision to make our knowledge in test automation of embedded systems software available to and usable by all interested parties. You can create test sequences, start their execution and process the results into a report; everything in one package, on a PC interface.
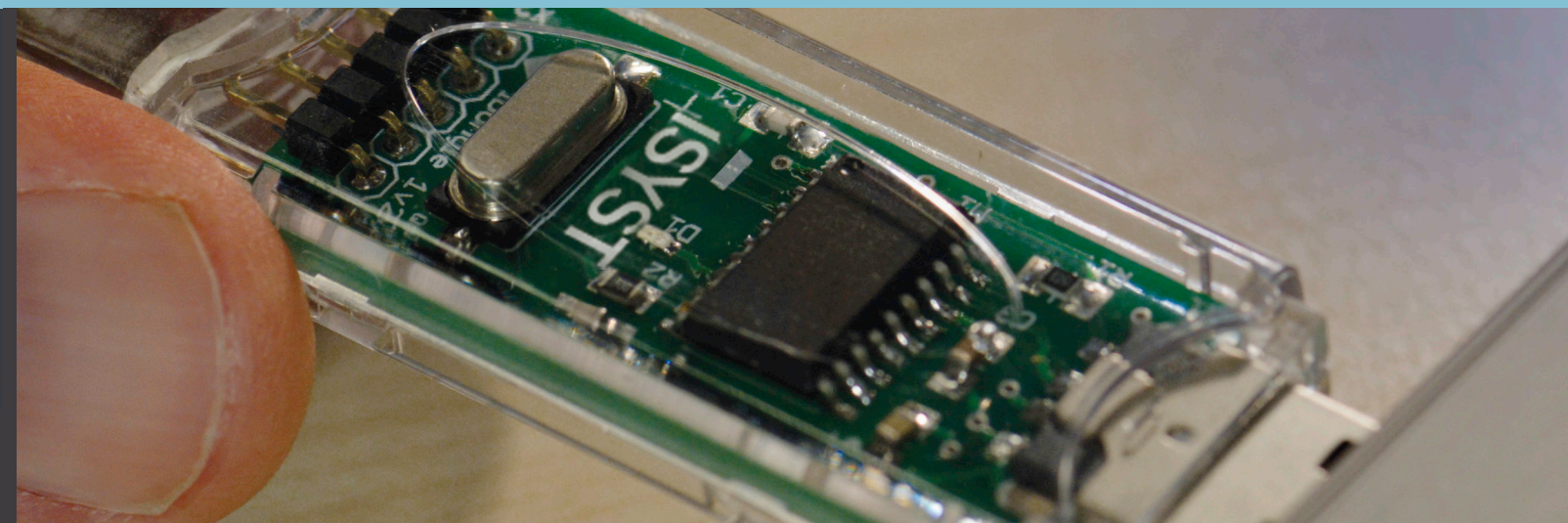
Our iTestStudio consists of a logical architecture of modules which are intuitively controllable and perfectly

matched to each other. They work reliably, without interruption or crash in the background, once the operator initiates the automated test „at the touch of a button". It can be used both with our HIL systems as well as licensed on your third-party system. Therefore, we integrate our software in your tooling landscape.

We test your software –
now you test us!

Your specific benefit

You benefit from our own components' configuration to full test systems, its matching test automation and our comprehensive services - all of it from a single source.

About iSyst

As an independent testing institution, we are specialized in testing embedded systems for function and quality and thus ensuring their functional safety as early as during the development process.

We provide you with all means of product protection from one single source. In this regard, we are not satisfied with just working on the current state of art level and therefore, we are already developing testing solutions for tomorrow's issues in cooperation with experienced partners from the fields of science and technology.

Testing is our Passion

Feel free to test our services and allow yourself to be convinced by our great expertise and experience in this field.

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