

Innovative – For the success of our customers

SET GmbH is an innovative technology company that specializes in developing power semiconductor reliability test systems, HiL and function test systems, as well as electronic development and manufacturing for the automotive, aerospace, and semiconductors industries. We offer qualified project coordination, starting from defining system requirements, developing and manufacturing hardware, mechanical systems and software, up to implementing the finished system. With the aid of our trainings and consulting we reduce the total cost of test (TCoT) and support the economic success of our project partners and customers.

Power Semiconductor Reliability Test Systems – For complete monitoring of the devices under test

Power electronics is deployed everywhere around us – from cars to wind power plants, from solar parks to e-bikes – therefore it is more important than ever to qualify power semiconductor devices and explicitly test their reliability. Our test systems (IOL, Power Cycling, HTRB, H3TRB, HTOL) do not only offer a high number of DUTs per system, they also have a single device temperature control in order to precisely keep the device at the desired junction temperature. Furthermore our systems provide high-resolution data for the process of analysis and therefore reduce TCoT while simultaneously reducing test time.



Reliability Test Systems for Power Semiconductors

HiL & Functional Test Systems – Tailored to our customers’ specific needs

Our large kit of modular components enables us to provide customized test solutions tailored to our customers’ specific needs. Using this wide range of finished and tested modules, we are able to quickly and efficiently respond to our customers’ needs and configure customized HiL & functional test systems for a diverse range of applications, e.g. for power electronics like power inverters or electric motor emulators (EME).



HiL & Functional Test Systems

Electronic Development & Manufacturing – All in one stop

Our employees offer proven expert knowledge and application know-how in the development of finished products, embedded electronic systems, embedded software applications and SOM solutions on the most varied complexity levels. Constant further training and close research partnerships with universities and institutions keep our skills up-to-date and put us in the position to turn new technical concepts into economically viable solutions. One example in the area of power electronics is the development and manufacturing of several DC brushless inverter solutions.



HTRB Test System