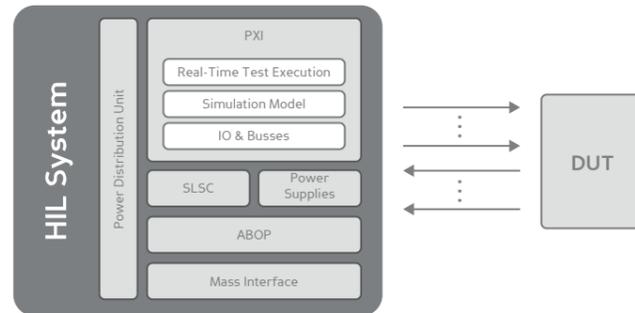


HARDWARE

OUR SOLUTION'S BODY & SOUL

We are fast and efficient when configuring a test system tailored to your needs and for the most diverse applications. Your requirements will be translated into the perfect solution, using standardized modules from our toolbox.



SOFTWARE

OUR SOLUTIONS BRAIN & FACE

Based on National Instruments' software tools and our reliable and tested libraries, our software architects customize every system to your needs.



Being open, transparent, accurate, real-time capable and efficient are crucial here. Therefore we have standardized source code modules:

- + Standardized frameworks
- + Operator interface
- + Hardware abstraction layer
- + Automatic monitoring of test software and configuration
- + Parametrized test sequences
- + Generates customer specific reports
- + Linked to your database
- + ...

>> SET GmbH
August-Braun-Straße 1
88239 Wangen/Allgäu
Germany

T +49 75 22 916 87 - 600
F +49 75 22 916 87 - 899
info@smart-e-tech.de
www.smart-e-tech.de

HIL Specialty Partner of
National Instruments



smart embedded technologies

HiL TEST SYSTEMS

TEST SYSTEMS



Hardware in the Loop (HiL) test systems tailored to your needs

Our HiL test systems allow for an efficient assessment of devices under test (DUT) while reducing testing time and costs as well as increasing reliability by replacing complex, real tests in a virtual real-time environment.



SET - Experts for standardized and modular HiL test systems

POWER DISTRIBUTION UNIT WITH INTEGRATED SAFETY FEATURE

Our modular PDU supplies your system and protects the operator. They are equipped with:

- + Residual-current device
- + Circuit breaker
- + Restart safeguard
- + Device protection
- + DC supply
- + Safety system
- + Power supplies for internal voltages
- + ...



MEASUREMENT TECHNOLOGY AS IF FROM A PICTURE BOOK

From ARINC to ZigBee – using NI PXI and NI cRIO, we offer solutions for more than 2000 types of signals.

The PXI standard offers high performance but flexible measurement technology at its best and has more than 1500 modules available on the market.



SIGNAL CONDITIONING THE SUPREME DISCIPLINE

Signal conditioning is implemented by our modules based on the NI SLSC platform or by combining our AEROSpice and SMARTbrick module system.

- + ARINC 429
- + Temperature Sensor Emulation (PT 100/1000)
- + Thermocouple Typ-K Emulator
- + LVDT Demodulator
- + Resolver Demodulator
- + Galvanic Isolation
- + 60V I/O
- + ...



ACTIVE BREAKOUT PANEL SHORT : aBOP

One-to-one connections at the aBOP make the system less complex and easier to maintain. Every system uses a signal matrix, is able to test itself and could simulate faults.

- + Power BOP - including current measurement
- + Signal BOP - for analog und digital I/O
- + Video BOP - 50 Ohm and 75 Ohm
- + ...

