

WE PROVIDE INDIVIDUALIZED SOLUTIONS FOR YOUR DEVELOPMENT PROJECTS.

Engine test cells are highly complex systems. With additional prototype testing complexity even increases.

Inecosys reduces the number of systems on the test bench and the associated complexity. Our intuitive GUIs and the customized hardware copes with future raising complexity in the field of R&D.

With the iSL ECU + Indi we offer a highly flexible control unit with an integrated cylinder pressure indication system for prototype engines. Additionally, we provide solutions for component and engine test cells for R&D purposes.

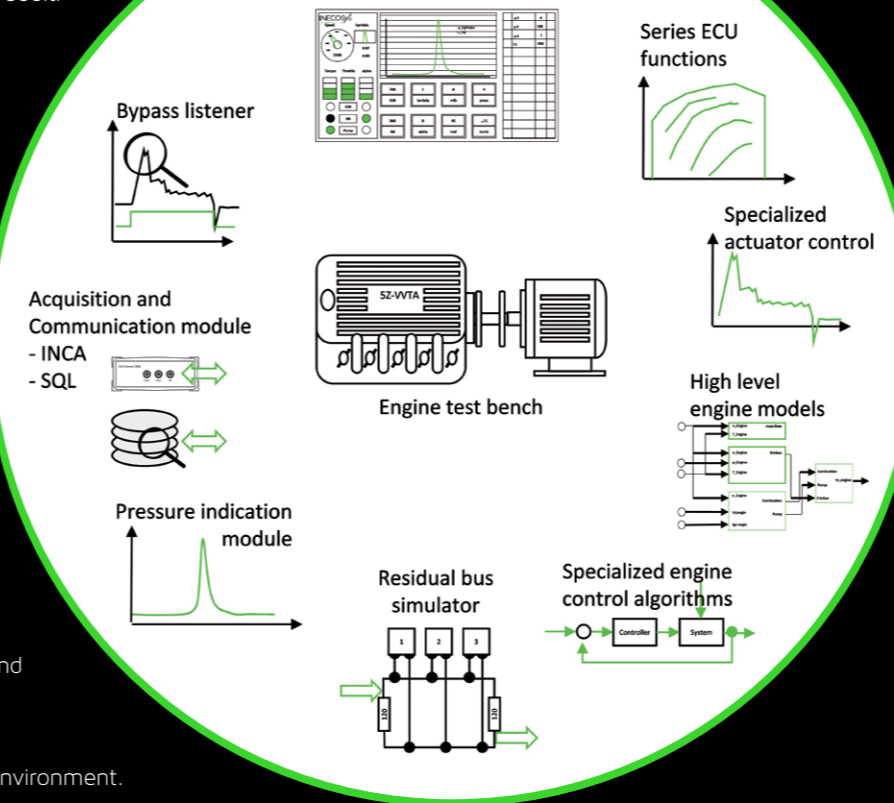
Our systems are based on National Instruments real-time and FPGA hardware, including our easy-to-use and open software framework using NI LabVIEW. Inecosys systems can easily be integrated into your existing test facilities by standard and user-defined interfaces.

Inecosys is your specialist for R&D in the test cell environment.

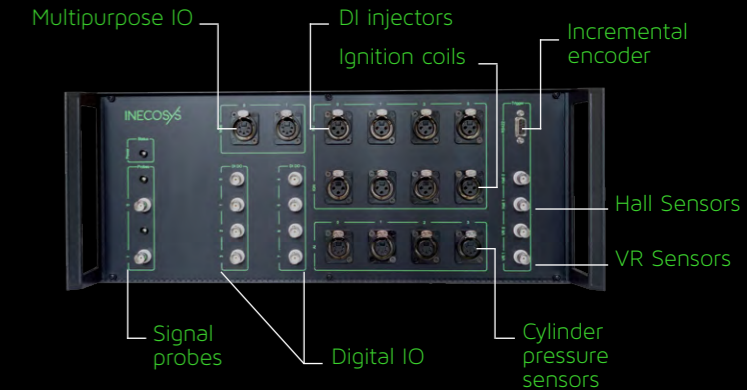
OUR PRODUCTS

- Testbench control and automation systems
- DAQ systems and measurement devices
- Cylinder pressure indication systems
- HiL tester
- Data analysis and processing software for the development tool-chain

Test bench control | Data acquisition



Frontpanel example:



KEY FEATURES

- Modular and customizable hardware
- Open turnkey software
- Integrated FPGA-based cylinder pressure indication system
- Cylinder pressure based engine control

HARDWARE

- Inecosys SlimLine hardware platform
- Adapted hardware to customers requests
- FPGA hardware + RT multicore controller
- Directly connect DI injectors and ignition coils
- Up to 16.000 U/min @ 0.1 °CA
- Extendable via INECOSYS-Sync

SOFTWARE

- Inecosys software framework
- Turnkey software adapted to customer requirements
- Open software on Windows, RT and FPGA
- Open for usercode
- Easy to use and modifiably

DISCOVER
HIGH PERFORMANCE
SOLUTIONS FOR
YOUR TEST BENCH