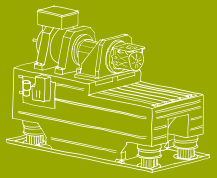
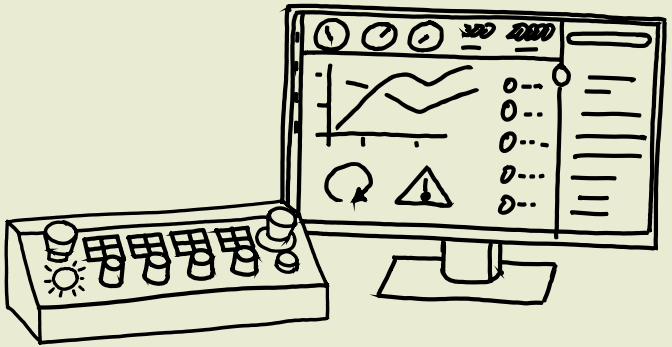


OPV engineering

OPV nuclio

automation



Make the best of your test with OPVnuclio

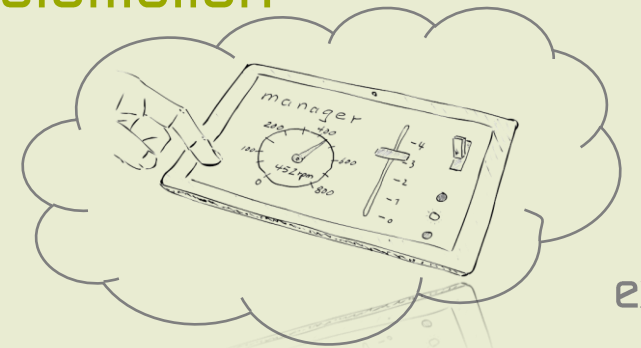
integrated

measure

safe

automation

realtime



intuitive

scalable

flexible

extensible

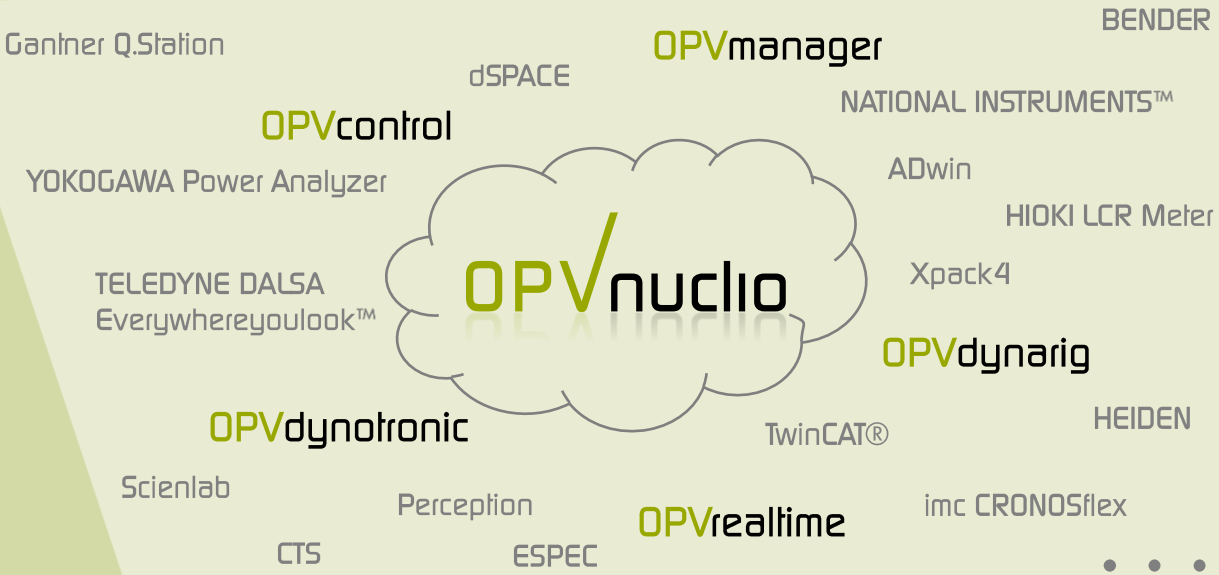
test programs

indipendent

- clear, concise display of essential safety data
- drives with a high dynamic controller
- control peripherals: building services, DC-sources, environmental simulation devices, cooling units
- live view signals and join measured data
- real-time monitoring and visualization of process variables
- automated data logging and reporting functionalities
- on-the-fly editing of graphical user interface

OPVengineering

OPVnuclio offers a large range of device interfaces

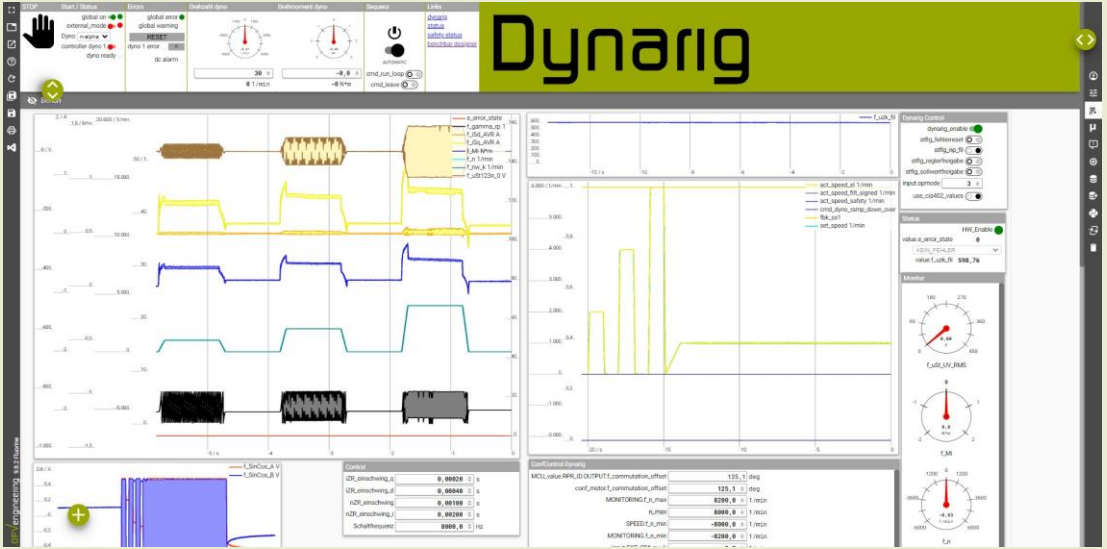


OPVnuclio is extensible at all levels

- unlimited I/O with EtherCAT-terminals and communication-interfaces
- realtime-capable programming in TwinCAT® with PLC (IEC 61131-3) and MATLAB/Simulink®
- OPVsequencer: graphical editor for real-time testing programs
- business logic and scripting with Python API
- protocols: CAN, LIN, EtherCAT, AK, SCPI, …
- connect measurement devices: from HBK, Yokogawa, Zimmer, IFM, HORIBA, AVL, …

OPVengineering

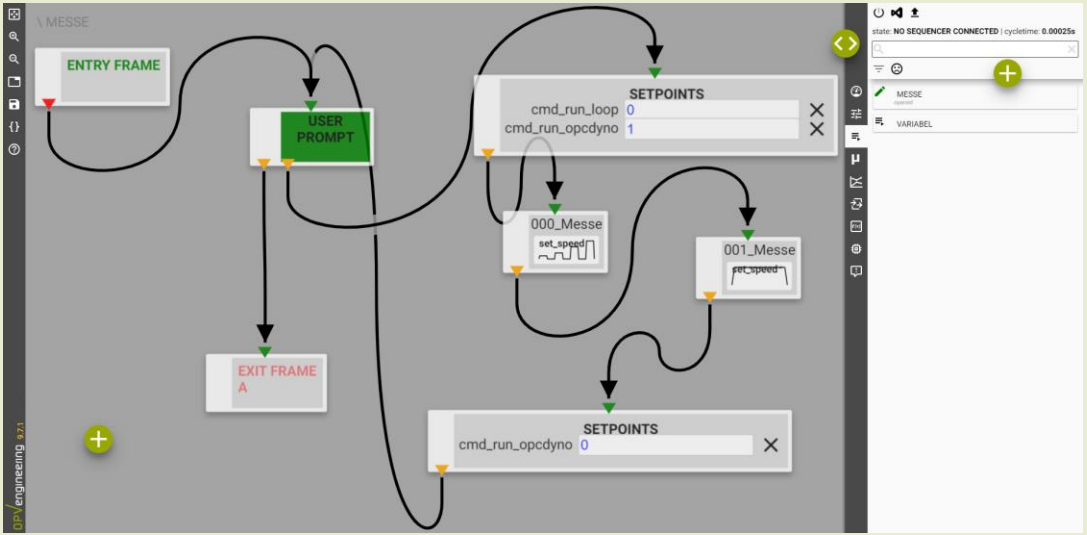
GUI: intuitively operable and freely customizable



- on-the-fly customization of graphical user interface by drag and drop
- UI elements can be selected on the interface to ensure easy design of the user interface
- development of graphical user interfaces using HTML, JS and CSS
- pre-existing widgets can be utilized for other projects

OPV engineering

OPVsequencer: flexible editing of test programs



- graphical programming and editing as state flow diagram
- import and export of time profiles saved in CSV format
- upload and outline of data with resolution down to control task cycle time
- neutral sequences with reusable subsequences
- multi-condition sequence frames
- scalability to accommodate projects of various sizes and complexities

OPV engineering

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