



ENGENVIM

**YOUR PARTNER
FOR CHALLENGES
IN MEASUREMENT**

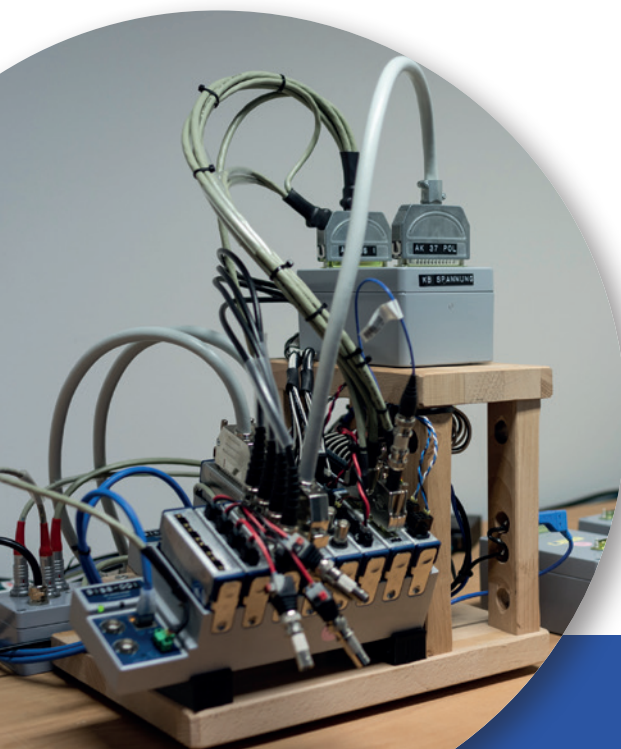
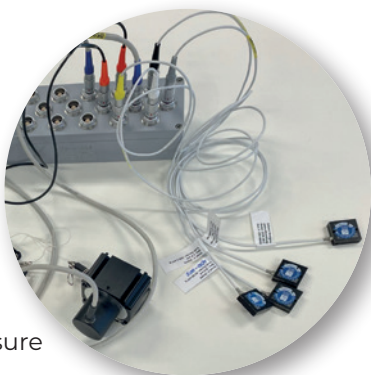
ACQUA
measurement software

WE MEASURE FOR YOU

Our measurement technology meets the most modern requirements and enables sophisticated measurements with high data rates for maximum accuracy in assessment and evaluation.

MEASUREMENTS

- Acceleration
- Strain, force
- Distance
- Temperature
- Pressure, sound pressure
- Digital sensors (CAN, GPS,...)

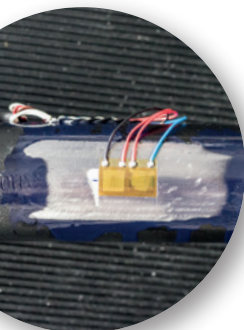


OUR SOLUTION FOR YOU

We have the right solution especially for complex measurements.

MEASUREMENT SYSTEM

- Finite impulse response filter technology (synchronicity in sub-microsecond range)
- Multichannel measurement > 500 channels
- Sampling rates up to 800,000 Hz
- - Distributed, modular measurement setup (several 100 m)
 - Star topology
 - Daisy chaining
 - Mixed topologies
- Continuous long-term measurements
- For harsh environmental conditions (railway, power station, plant construction, industry)
- Monitoring of any measurand



WE INVESTIGATE FOR YOU

Data evaluation can be carried out according to own specifications or specific standard specifications. We also support you in the development of appropriate filter and evaluation algorithms.

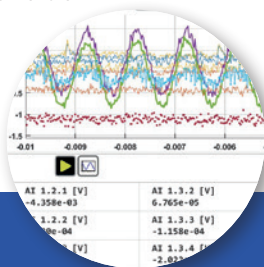
DATA EVALUATION

- Data processing and analysis
- Filter strategies and development
- FFT, DFT and special algorithms
- visualization according to customer specifications
- creation of user interfaces (GUI) according to customer specifications

We work with our own measuring software, so that we can remain flexible with wishes and requirements.

APPLICATIONS

- Investigation of technical problems on machines and plants
- Vibrations and oscillations
 - Machine monitoring
 - Machine and bearing condition
- Modal analysis



YOUR ADVANTAGES WITH ENGENIUM

REAL-TIME EVALUATION

- ✓ Distributed multichannel measurement
- ✓ Sampling rates up to 800,000 Hz
- ✓ Synchronicity in sub-microsecond range

HIGH USABILITY

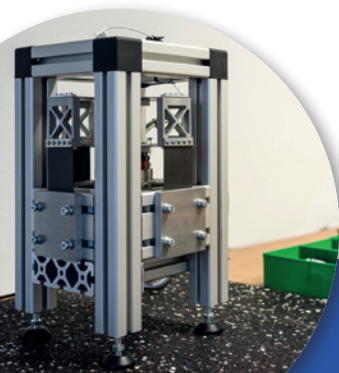
- ✓ Easy handling
- ✓ Supported troubleshooting
- ✓ Short training time

EFFICIENCY

- ✓ Low hardware costs
- ✓ Quick assembly
- ✓ Fast commissioning
- ✓ Use of standard components

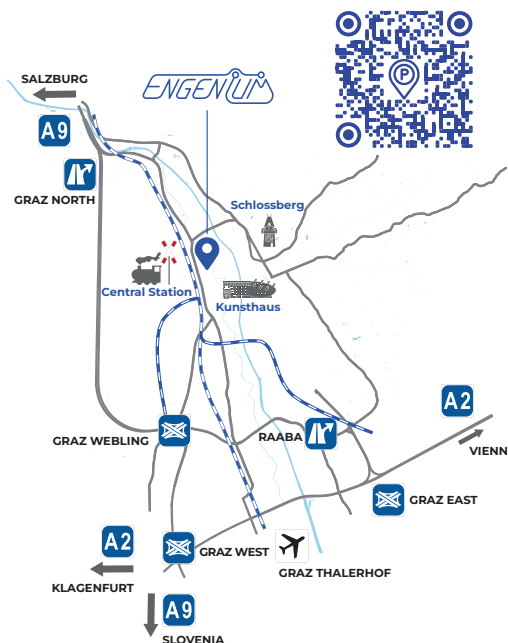
GREAT CUSTOMER BENEFIT

- ✓ Optimization of components
- ✓ Monitoring of condition-critical components
- ✓ Flexible and worldwide use
- ✓ Proof of operational safety
- ✓ Customer calibration



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Accreditation as testing laboratory
acc. to EN ISO/IEC 17025 T -
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