

*bayerl-consult*

**Your Partner for Measurements  
and Experiments**

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# Data for Design and Proof

- *bayerl-consult* is an experienced partner for physical measurements to answer complex questions.
- *bayerl-consults* measurement equipment is high standard state of the art and allows complex and combined measurements.
- Measured data are the basis for many applications of *bayerl-consult's* instrument of physical simulation.

# Measurements and Experiments

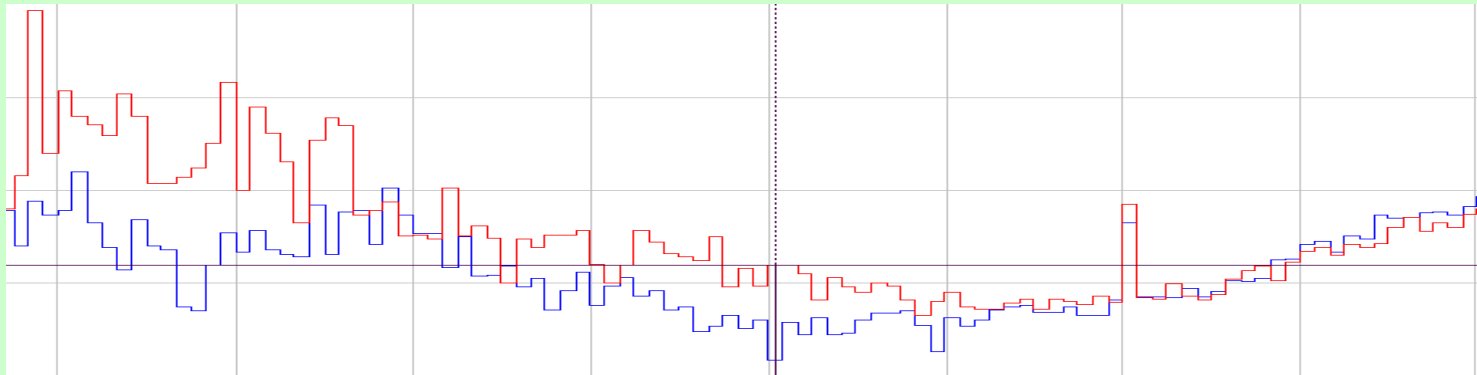
- There is no decision in modern technics or physics, that is not based on physical measurement and physical data.
- Physical data to be used in calculations, models and physical simulation have to be carefully chosen and critically estimated.
- Measurements and experiments to answer a complex question need careful pre-measurement-design.

# Physical data ... more than just numbers

- Measured data are only to use, to compare, to understand and to judge with a lot of additional information.
- In order to be able to interpret measurement data it is necessary to have information about the sort of measured signals, the scale, the unit, the measurement range as well as indications of date, time, the conditions of measurement and environment.

# The „Physical Ensemble“

- A physical ensemble gives all the information necessary for meaningful data.
- A graph of a modern measurement device without any of these indications is useless for further data processing.



# Measurement Technics

*bayerl-consult* owns a wide range of high standard measurement devices for :

- Noise and vibrations
- Geological and geophysical data
- Air quality – air compounds
- Fluid mechanics
- Micrometeorological conditions
- Electromagnetic waves and fields



# Measurement Data to be used in Various Integrated Projects

- Noise and vibration – environmental protection and safety engineering projects
- Geological and geophysical analysis – infrastructural and building projects
- Air quality – industrial environmental protection
- Air flow analysis – tunnel ventilation projects, safety engineering projects
- Micrometeorological conditions – for pre-project analysis of infrastructural projects
- Electromagnetic waves and fields – environmental investigations, safety and electromagnetic compatibility

