

Structural Dynamics

Prof. D. Heiland and Dr. M. Mistler



Qualified Expert Team

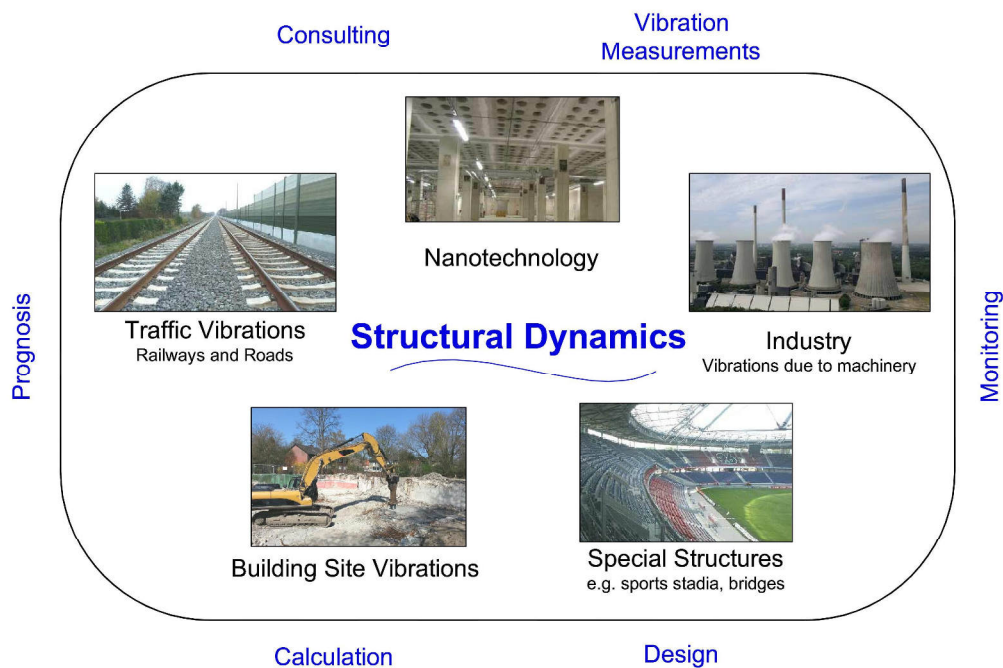
Best Consulting • High Quality Standards • Worldwide Mobility

Innovative Solutions

High Precision Measuring Equipment

Engineering / Consulting

Our team consists of consulting engineers and experts in structural dynamics. In our profession we detect, analyse, and assess vibrations and their effects on structures. Particularly the serviceability of structures exposed to dynamic stress is a matter of our professional interest.



Best consulting for our clients

On the clients project we put our main focus. In our structural dynamic projects we find a great diversity of problems - so our solutions are never duplications but individual concepts. Starting from an explicit question or formulation of problems we take measurements and calculate with specific terms and conditions for a suitable solution. Therefore, a close coordination with the client is essential. Based on our wide experience we develop optimised and efficient dynamic concepts.

High Quality Standards

For our clients we achieve maximum performance for best quality. We accurately comply with the high standards of our certified quality assurance system. Our sensitive measuring equipment is maintained internally and as a result is



constantly 100% available to use. By calibrating our sensors ourselves we bring them up to higher precision level than requested according to DIN. Calculation results are usually brought up for discussion with the team and all reports are compulsory reviewed for a secondary consideration. The staff is trained continuously internally and externally. Prof. Dr. Heiland is a publicly appointed and sworn expert and all our experts aspire to comparable qualifications.

Reliability

Clients can completely rely on our services. Any misunderstandings which might arise will be corrected immediately. We are prompt and worldwide at our clients disposal.

Honesty

Our clients are right to expect our loyalty and honesty. With sincerity we make our statements, write our reports and assess dynamic problems and all related business.

Independency

We are economically independent of producer's interests. We thereby are able to provide impartial and unbiased consulting.

Innovation

Internal research and development are a solid basis for our work. It's our ambitious aim to present constantly new analysis methods and innovative solutions in order to optimise vibration control concepts. This is clearly demonstrated by our individual and patented engineering solutions as well as our research projects in cooperation with industry and university. Methods of measurement and analysis are highly sophisticated and we are continuously refining them. We are also very involved in developing standards and guidelines in several committees. Our focus on innovation is essential for being technologically in a leading position.

Responsibility

Our behaviour at work within the team as well as with clients is supposed to be characterised by consideration, respect and politeness. We act responsible in all respects.



Proprietors

Prof. Dr. Heiland is a „publicly appointed and sworn expert“ in structural dynamics according to german law.

In this position he

- acts as an Expert Witness,
- is a lecturer at Ruhr-Universität Bochum (RUB).

Dr. Mistler is an expert in earthquake science and structural dynamics

He works as

- project manager,
- lecturer at RWTH Aachen.

We are Developing Standards

- VDI Regulations for Vibration Technology VDI 2038
- DIN 45669 Teil 1 - 2
- DIN 45673 Teil 1 – 9
- DIN 4150 Teil 3
- DIN Standarts Committee Civil Engineering

Contact

Baudynamik Heiland & Mistler GmbH

Consulting engineers and experts on structural dynamics

Bergstrasse 174

D-44807 Bochum (Germany)

Tel.: +49 (2 34) 9 50 20-6

Fax: +49 (2 34) 9 50 20-77

E-Mail: [info\(at\)baudynamik.de](mailto:info(at)baudynamik.de)

