Training Seminar

Module 02 – Practice without norm is not the right form

Enhance Your Team's Expertise with Our Vibration Academy

This training focuses on conducting mechanical environmental simulations while considering failure analysis, normative requirements, and measurement uncertainty. Participants will gain a deeper understanding of why vibration tests are performed, how to recognize and interpret errors, and the importance of evaluating and comparing test results within a structured framework.

The module emphasizes vibrational theory in practice, conformity statements, and the interactions between sensors, control systems, machines, fixtures, and engineers to ensure accurate and reliable testing.

Trainers:

Peter-J. Sikora – Trainer at Vibration Research
With extended years of experience working as a test engineer on safety tests, e-mobility, and environmental requirements with different shaker- and controller types, he shares his essential knowledge in theory and practice.

Lukas Wagner– Trainer at Tira
With many years of experience serving customers, he possesses deep expertise in the requirements and challenges of working with shakers across various industries, from sensors to automation solutions.

In cooperation with:

Sebert Trillingstechniek
EN ISO/IEC 17025 Accredited Laboratory

Vibration Academy® is an initiative of Quantify bv and j.j. bos bv
Contact info@quantifybv.be or info@jjbosbv.nl

Program (2-day theoretical):

Depen you knowledge of vibration testing

By the end of the training, participants will have a solid foundation in vibration testing principles and hands-on experience working with a shaker.

They will be able to analyze test results with confidence and issue a conformity statement in accordance with industry standards.

Key topics covered include:

- Fundamental reasons for conducting vibration tests
- Recognizing and understanding common mistakes
- Applying vibrational theory in practice
- Interpreting conformity statements and standardization requirements
- Understanding the goals and benefits of vibration testing
- Conducting measurement uncertainty analysis (MU) using practical examples
- Identifying and interpreting errors in a test system and their root causes
- Exploring interactions between sensors, control systems, machines, fixtures, and engineers
- Gaining insight to achieve the **10% goal** for improved test accuracy and reliability

Join us to gain the expertise needed to perform precise and reliable vibration testing, while mastering the intricate relationships between system components

Program (1-day practical):

Apply what you have learned directly into practice in Sebert's state of the art vibration lab.

The practical day builds directly on the theoretical knowledge gained over the previous two days. Participants will engage in hands-on exercises, applying concepts like vibration testing, equipment setup, and data analysis.

This immersive experience is designed to solidify your understanding and ensure you're confident in operating shakers in real-world scenarios.

Sine Random Shock System Check Live Analyzer Recorder View

Vibration Academy® is an initiative of Quantify bv and j.j. bos bv

Contact info@quantifybv.be or info@jjbosbv.nl