

Noise control and acoustics



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Any unwanted sound qualifies as noise. In the field of physics, sound is clearly defined. Noise, on the other hand, is perceived subjectively and so is often difficult to assess. Good building and room acoustics improve wellbeing. Our acoustics and noise control experts are on hand to provide support in a range of areas.



Noise control and acoustics

Our services:

Noise measurements Measurements are an important basis for assessing noise. We measure for you:

- All types of noise in accordance with the Swiss Noise Abatement Ordinance (industrial/commercial, road/railway, construction site, plant and shooting range noise), leisure and party noise, noise on building sites, etc.
- Noise exposure in the workplace with respect to the requirements of SUVA and/or Ordinance 3 of the Swiss labour law.
- Machinery noise with respect to EU Directive 2006/42/EC.
- Machinery noise for sound power calculations.

Noise reports We prepare expert reports for the assessment of existing or future noise situations (e.g. prior to the realization of a construction project):

- Noise reports for projects in which noise is/will be an issue.
- Noise predictions for all types of noise using CadnaA noise prediction software in accordance with the Swiss Noise Abatement Ordinance.
- Help with developing and optimising noise control measures.

Leisure and restaurant noise We draw up expert reports for restaurants and public premises, e.g. in accordance with the cercle bruit guidelines for determining and assessing noise in public premises. **Construction noise** Construction work inevitably generates noise. Even when quiet periods are observed, noise can still cause a disturbance in the neighbourhood. We offer:

- Project assessments in accordance with the FOEN construction noise guidelines
- Advice on devising appropriate noise control measures.

Building acoustics Building acoustics are important to ensure peace and quiet between units. We prepare expert reports according to SIA 181 for

- Airborne sound measurement (measurement of sound transmission through partition walls).
- Footfall sound measurement.
- Reverberation time measurement.
- Calculation of the sound absorption coefficient.

Room acoustics The „right“ room acoustics are an important factor in making a work or recreation area legally compliant and pleasant. Our services include:

- Reverberation time measurements.
- Reverberation time predictions.
- Assessments in accordance with SIA 181 / DIN 18041.
- Calculation of the sound absorption coefficient.

Your contacts

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