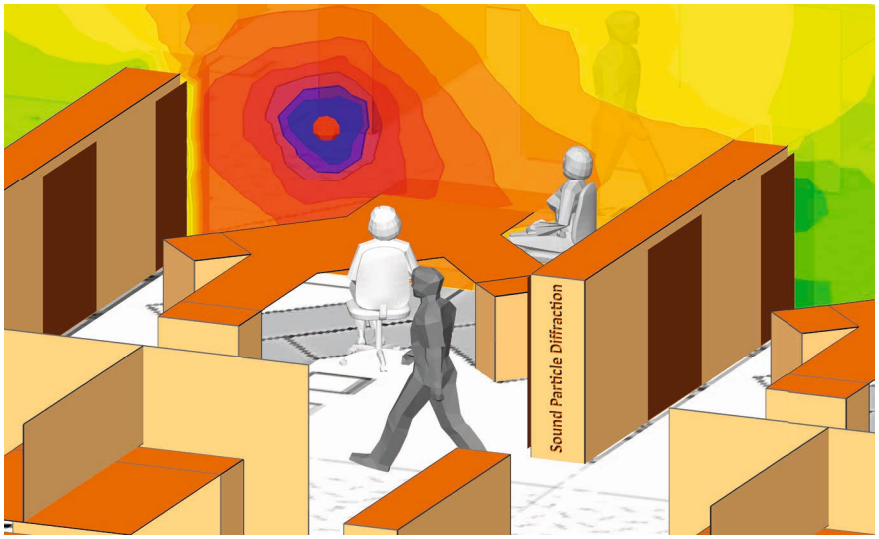
SoundPLAN® noise





Room Acoustics

Key room acoustics parameters
Reverberation times, speech intelligibility (STI), early decay time, plus the major acoustical room performance descriptors

Measurement path
Easy-to-use lines of receivers, as required by major room acoustic standards for easy setups and automated evaluation reports

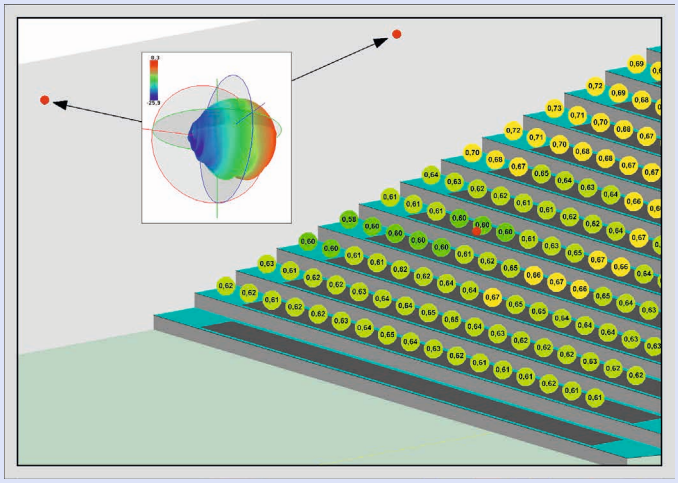
State-of-the-art calculation model
Our new Sound Particle Diffraction technology means important effects due to diffraction and scattering are treated accurately.

Hear what you get
Listen to how your room sounds and how it will change with additional room acoustics measures

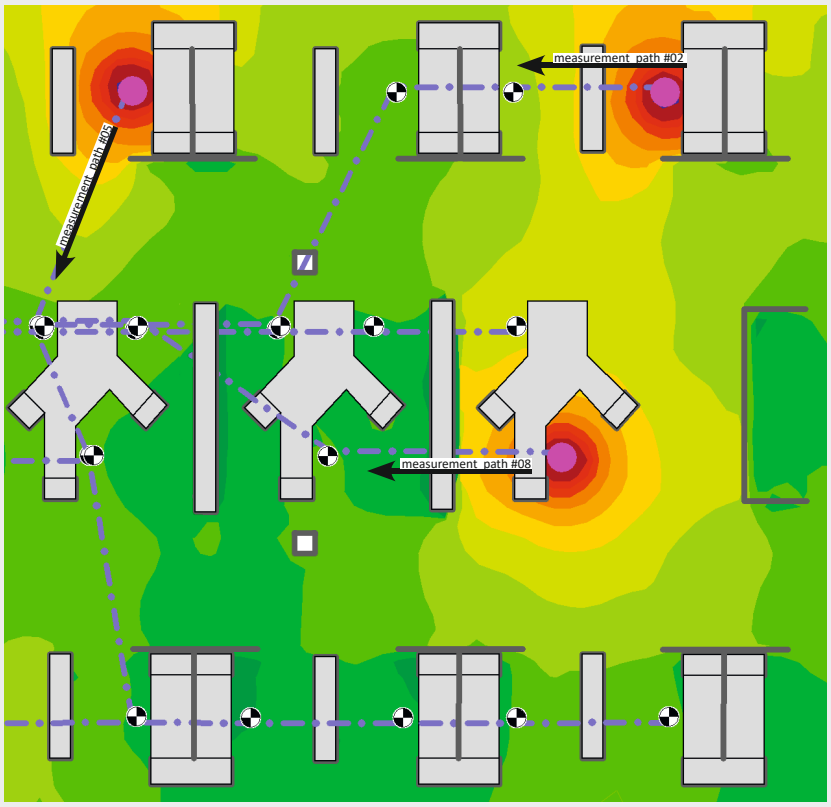
Room acoustics

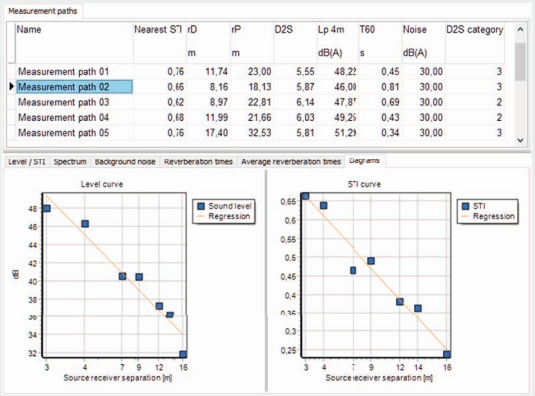
The SoundPLANnoise Room Acoustics module is an add-on to the indoor noise calculation module. The calculations use our new, revolutionary Sound Particle Diffraction technology, providing important improvements to the modeling of diffraction and scattering from objects in the room. The results you need to assess a room are automatically generated and report-ready. We include auralization - the possibility to hear what a room sounds like and the effects of acoustic treatments.

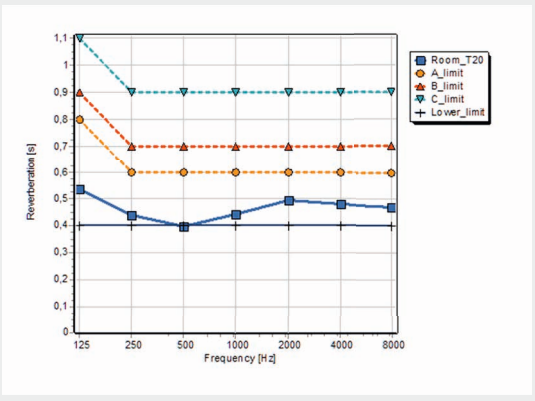
The module offers the major room assessment types such as reverberation time, speech intelligibility (STI), and the usual acoustical room performance parameters. In addition, SoundPLANnoise allows you to calculate speech intelligibility in spaces with an arbitrary number of speakers and noise sources – this can help with the assessment and design of public address systems. Furthermore, we offer a range of features to simplify the assessment of offices, work spaces and other buildings. This includes a "Measurement Path" object – several of these may be added to a room, thereby automating the task of analyzing one or more lines of measurement positions that are often required by regulations. The standards ISO 3382-1/3382-3, VDI 2569 and DIN 18041 are specifically addressed, providing a wealth of information that can be used for other national assessment standards too.



Speech intelligibility in an auditorium with a sound reinforcement system (4 loudspeakers with 3D directivity.







Calculated measurement paths in an open office, including evaluation and documentation of all relevant parameters (top right) and room reverberation time (bottom right)

Software Designers and Consulting Engineers

Experts for Noise Control and Room Acoustics

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