SOUNDTEC

9 Reasons for Soundtec

- unique analysis- and visualization functions for sound

- highest precision in standard sound analyses

- stable, modular and user-friendly software

- data acquisition with highest precision

- latest technologies of sensors

- one-stop supply: complete systems, consisting of sensors, hard- and software

- excellent customer support

- graduated vibrational physicists as acoustic experts

- more than 15 years experience in different branches of industry: vehicle construction, electric and household appliances, shipbuilding and aerospace

Soundtec develops innovative software for acquisition and analysis of acoustic signals, vibrations and more measurands. Together with the high-performance hardware of well-chosen and renowned partners, Soundtec delivers complete systems that offer unique rating- and visualization functions.

For more than 15 years Soundtec (formerly known as Akustik Technologie Göttingen) provides customers of various branches of industry with acoustic measuring- and analysis systems for development, production and quality control of aggregates, vehicles, household appliances, shipbuilding, aircraft and satellites.

Soundtec has been expanding throughout Europe and Asia for several years.

SOUNDTEC

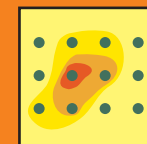See what
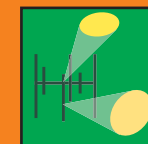you hear

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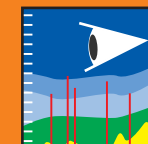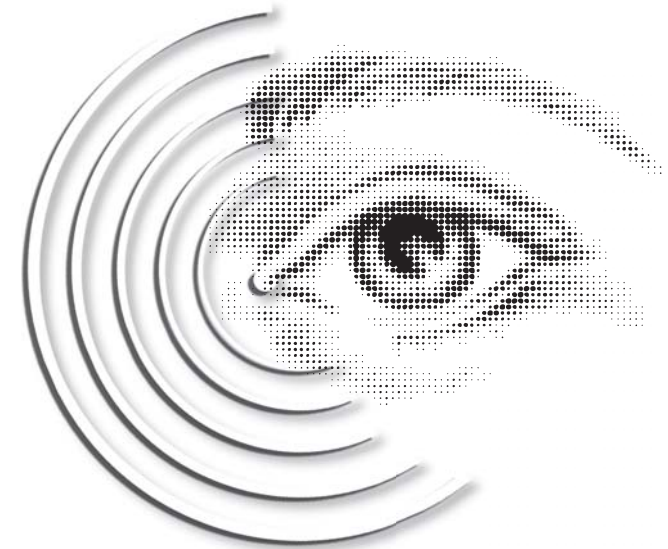
siVision

Sounddesign-Tool
integrated analysis, filtering and noise rating
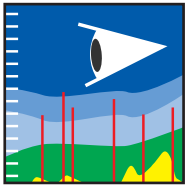
siVision displays optically what the ear perceives, and facilitates a separate filtering of sound and background for the first time. Clear tones and modulated components, such as e.g., clattering or rattling, are automatically separated from the sound and rated for their perceptibility. The sound can be specifically varied through different groups of filters for each component. This makes siVision the ideal tool for sound analysis and sound-design when developing engines, gears, and much more ...
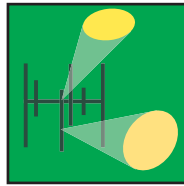
- integrated psychoacoustic know-how
- aurally equivalent in the frequency and order range
- separate filter groups for tones, noise and overall sound
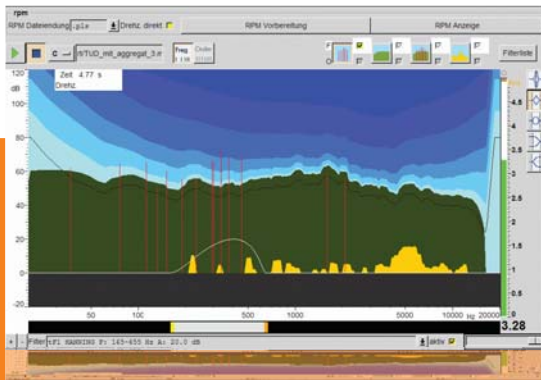
Analyse and design the sound!

siTracer

Acoustic Camera
innovative sound source mapping

siTracer works with the new Sound-Identification-Algorithm (SIA) that reaches full 20 dB dynamic range with only 24 microphones, and with considerably reduced unsharpness. Standard cameras require more (60) microphones for displaying a dynamic range of 8-13 dB. siTracer is the new technique for precise sound source localization.
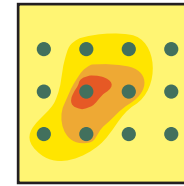
- full 20 dB dynamic range
- optimal arrangement of the microphones
- considerably reduced unsharpness
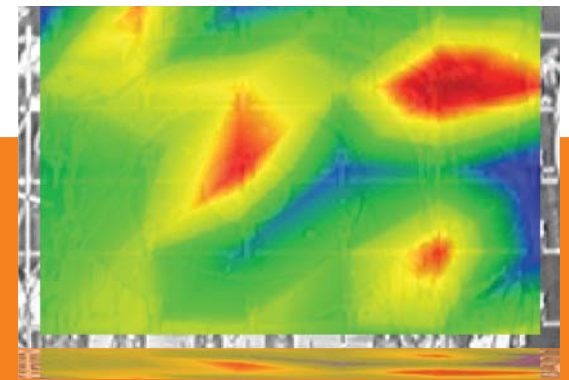

Find the sound sources!

siCamera

Sound Intensity Camera
highly dynamic sound intensity array

siCamera allows you to directly observe and film the sound flow through a surface. The very fast, wide-band camera works with a sensor-array, and has a very wide dynamic range, since the sound field is measured directly instead of being calculated. As a result, highly accurate direct observations of the sound emission are possible under various operating conditions for the first time. siCamera is optimal for sound source localization on devices in the near-field.

- direct measuring of sound flow
- more than 40 dB dynamic range
- wide frequency range

See the emission of sound!