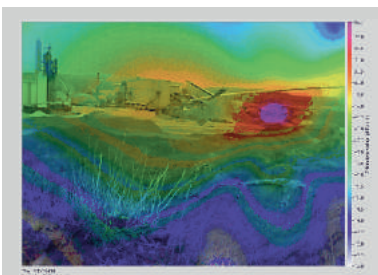
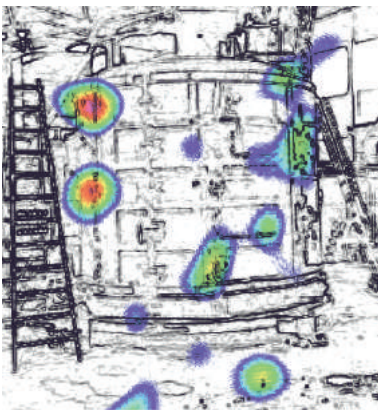


Acoustic Camera



Application

- Tool for noise reduction
- Identification of noise sources
- Containment of undesirable sound emissions
- Fault visualisation
- Frequency analysis
- Optimisation of machine developments
- Localisation of rattling, knocking, banging, and hissing noises
- Reveals reflective surfaces and noise transmitted by mechanical vibration
- Quick comprehension through simple display
- Allows a holistic assessment
- Operative range between three and several hundred meters

Noise camera in use

Technical data

- 36 Microphone channels
- Sampling rate:
12 – 192 kS/channel, 16-bit resolution
- Recording duration:
1 million samples per channel
(5 – 87 sec.)
- USB camera (to 1280 x 960) with a fixed focus lens
- Mapping from 100 Hz – 7 kHz (> 6 dB)
- Typical measurement distance
3 – 300 m
- Dynamic range of the microphone:
35 – 130 dB, 30 Hz – 20 kHz (50 kHz)

Noise emission from rock breaking

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