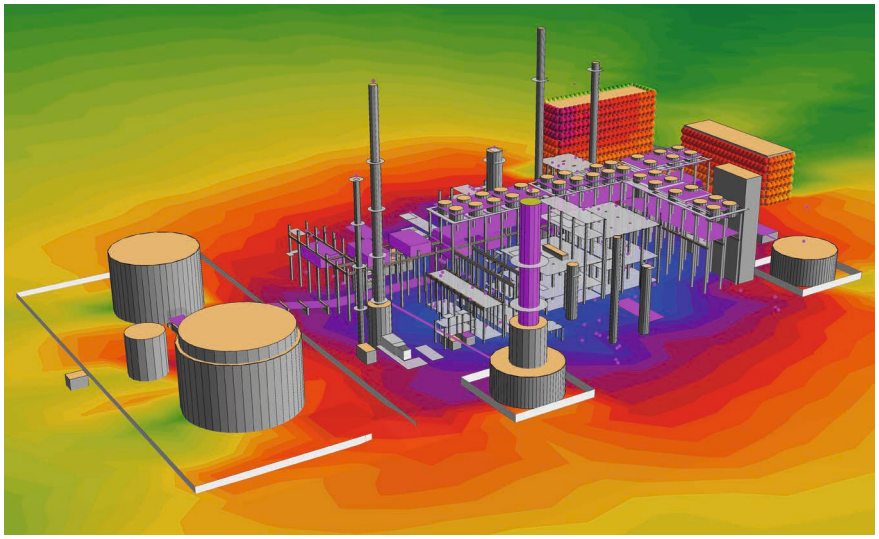
SoundPLAN®
noise



Tools Industrial Noise

Extended display options
Frequency dependent result presentation of large industrial projects with numerous sources

Sound power level
Calculate the source level based on measurements

Optimization
Find the most efficient concept to reduce the noise in the surroundings

Flexible
Define the frequency dependent sound power level of your source with freely definable formulas

04.08.2020

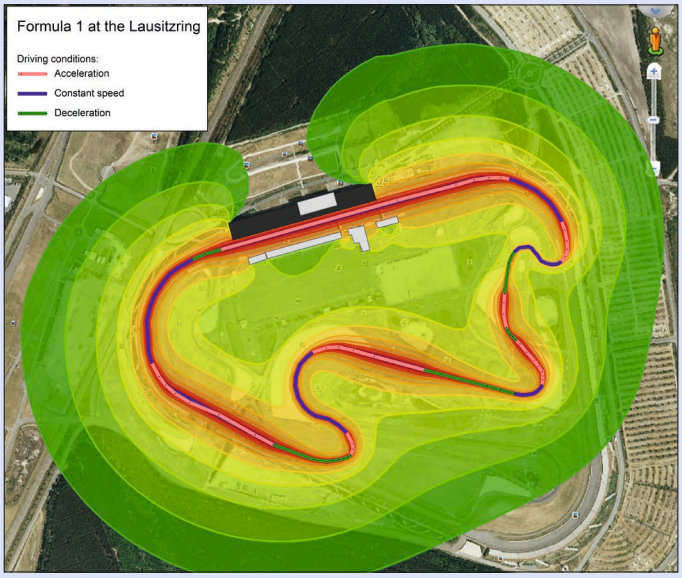
Tools Industrial Noise

The additional module “Tools Industrial Noise” offers valuable additional possibilities to make your work as easy and efficient as possible.

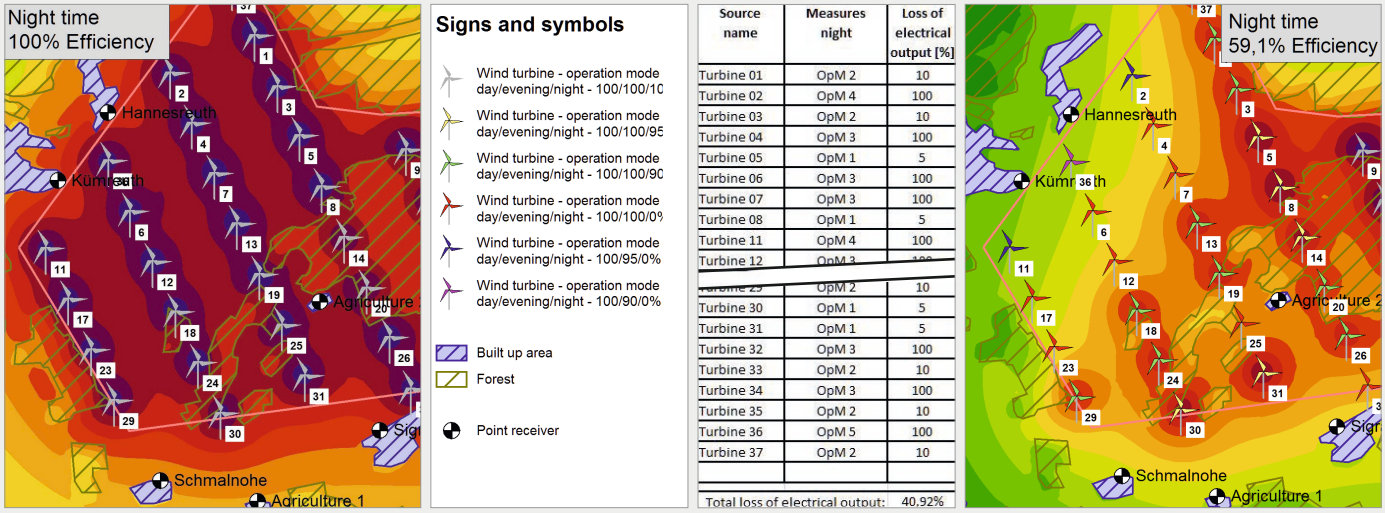
Expert Industry is an analysis tool to develop noise control concepts for industrial complexes that often have very extensive and complex results data. By means of multiple visualizing options it is possible to view the data at the same time from different aspects. This helps in quickly figuring out the problematic receivers and the relevant sources, to recognize noise reduction potentials and to manually or automatically select the measure with the best ratio of cost to performance out of different noise control options.

The sound power of a point, line or area source can be calculated with formulas from any desired technical parameters. With this tool it is, for example, possible to calculate the inner noise level of a pipe consisting of compressors, silencers and regular pipe elements and the emitted noise. This way the emission of a single line source (pipeline) automatically changes as a function of the distance from the beginning of the line or the position relative to the noise generators in the pipeline network.

The possibility to determine the frequency dependent sound power level of one or several noise sources from in-situ measured sound pressure levels completes the module “Tools Industrial Noise”. This is especially helpful if there are no manufacturer specifications of the noise sources or if there is no possibility to measure them in isolation under laboratory conditions.



Source definition based on free definable formulas, even dependent on position and other sources



Optimization concept for a wind farm. SoundPLAN selects the most efficient noise reduction measures (turbine operation mode), to keep the noise limits for all relevant receiver points. This saves your time and assures the highest electrical output possible

Software Designer and Consulting Engineers for environmental protection noise control room acoustics

SOUNDPLAN GMBH
Certified according to ISO 9001:2015
Etzwiesenberg 15
71522 Backnang, Germany

phone +49.7191.9144-0
mail@soundplan.de
www.soundplan.eu