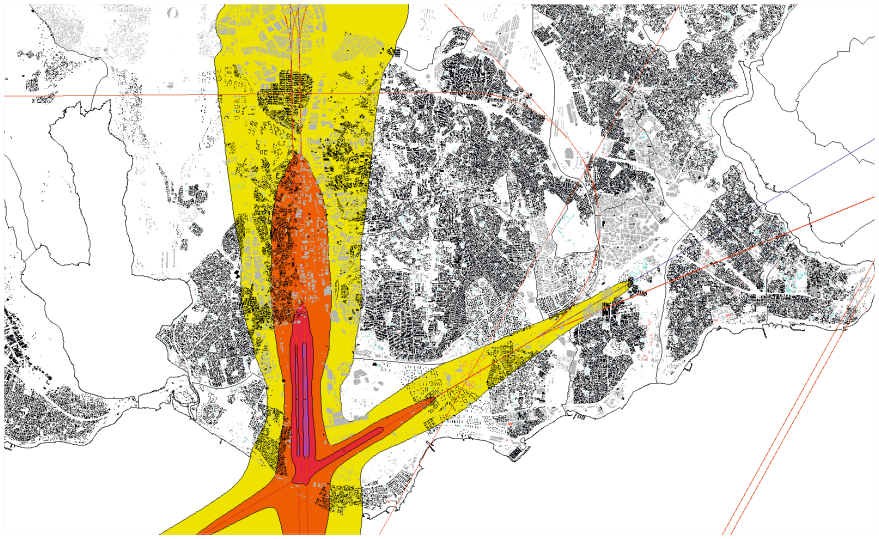
SoundPLAN® noise





Aircraft Noise

Innovative
First commercial noise mapping software worldwide combining all different noise sources with aircraft noise calculated according to ECAC Doc. 29, 3rd edition

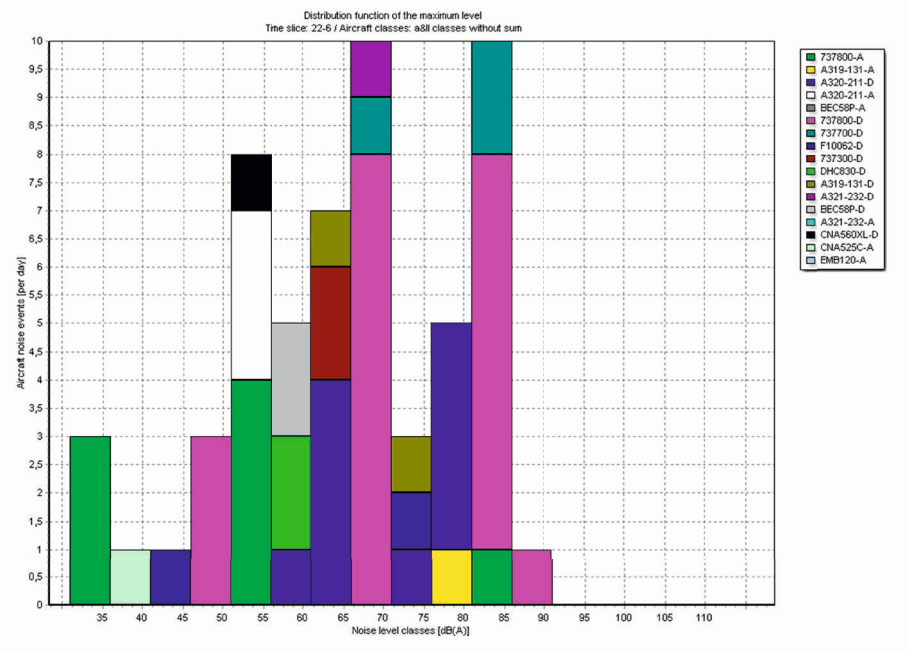
Interfaces
Direct import and export of airport data using the QSI interface according to VDI, import of the aircraft database of the American Integrated Noise Model (INM), direct import of radar tracks

Radar tracks
Direct calculation on the basis of radar tracks. No need any more to invest time in the definition of backbones

Documentation
Outstanding map presentations, defined in an easy and intuitive manner and reusable as a template for your next project

Aircraft Noise

With SoundPLAN we offer a full integration of the European guideline for the calculation of aircraft noise ECAC Doc. 29, 2nd, 3rd and 4th editions and CNOSSOS-EU. SoundPLAN combines aircraft noise with any other environmental noise source. This avoids friction loss between different software products if you are interested in a full scale noise evaluation. With the possibility to import the public aircraft library from EUROCONTROL or the library from the American Integrated Noise Model (INM) and using the same algorithms it becomes easy to calculate comparable results. The aircraft noise prediction module is fully integrated in the software package of SoundPLAN. All the existing tools such as various import and export possibilities, numerous GIS-functions to manipulate your data and an advanced documentation make your work easy and efficient. There is no need to work with cryptic online commands to manipulate your data, all tools are embedded in our well-structured user interface. SoundPLAN offers not only the typical approach for noise predictions based on the backbones of idealized flight tracks, which is ideal for future situations. Furthermore

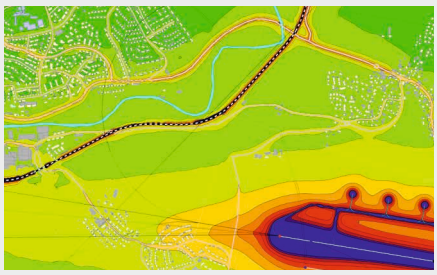


Distribution function of the maximum level

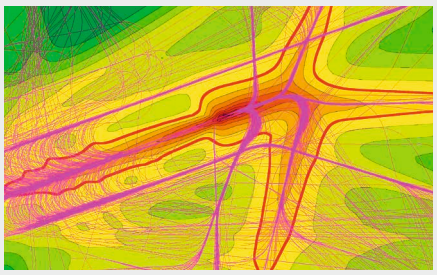
SoundPLAN offers the possibility to directly calculate noise on the basis of imported radar tracks, which is the most efficient and precise procedure for the analysis of past situations, making it possible to show directly the noise maps for any single flight, or any user definable time frame. With the implemented calculation algorithms SoundPLAN makes it possible to calculate not only the airborne noise, but also taxiing, or hovering and auxiliary power units in one go. In addition, the prediction of helicopter noise, including backwards take-off procedures and military aircraft is easily possible. The summation of all these features makes SoundPLAN the most powerful and complete software package in the field of aircraft noise calculation.

SOUNDPLAN - ONE PACKAGE - ONE PRICE - ALL STANDARDS

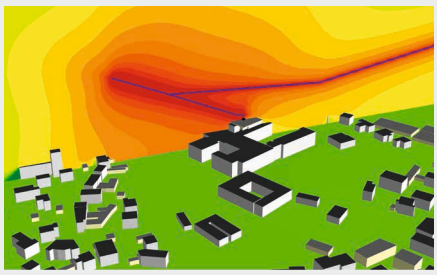
AzB 1975 · AzB 1975 Hungary · AzB 2008 · BUF: 2018/2021 · CNOSSOS-AT: 2019/2021 · CNOSSOS-EU AirNoise:2015/2021 · DIN 45643 (AzB 1975) · DIN 45684-1: 2013 · ECAC DOC 29 2nd, 3rd, 4th Edition · ÖAL 24 (AzB 1975) · ÖAL 24: 2004 · SANC · VBUF-AzB 1975: 2006



Total noise level, summation of road, rail and airport



Noise level of one day based on imported radar tracks and calculated according to ECAC Doc. 29, 3rd edition



Backwards take off of a helicopter according to DIN 45 684-1

Software Designers and Consulting Engineers

Experts for Noise Control and Room Acoustics

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