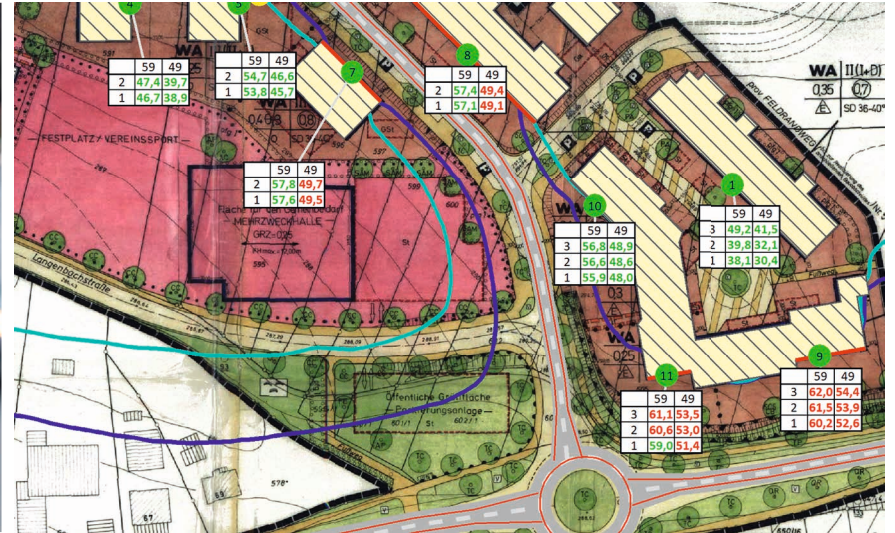


SoundPLAN®

essential



Highlights SoundPLANessential

No limit in the model size

Unlimited number of noise sources, receivers and obstacles

Road, railway and industry noise

Standard conform calculation with the original SoundPLAN calculation core

Intuitive graphical data entry

Clear display of the acoustically relevant object properties

Multithreading - use the full power of your PC

For single receiver points, limit contour lines and grid noise maps

Pleasing graphics and table presentation

e.g. documentation of the noise contribution levels or the frequency bands at the receiver

Passive noise protection

Optimization of the building facades transmission loss with the additional module BA outside according to EN ISO 12354-3

SPe

SoundPLANessential is a user-friendly software designed for noise mapping and basic sound propagation analysis. It enables users to create noise maps for multiple sources. The guided workflows is making it ideal for small to medium-sized projects. The software supports various standards and allows easy export of reports and maps for further use.

Noise protection wall (3028629)

Height [m] 2,00

elements with constant wall height

for calculation with noise protection

Reflection

left - reflection loss [dB] 1,0

right - reflection loss [dB] 1,0

Coordinates

X	Y	Gr.Elev.	Z	W.H.
530939,80	5421200,79	267,51	267,51	2,00
530947,23	5421206,60	268,11	268,11	2,00
530953,91	5421210,50	268,49	268,49	2,00
530960,45	5421213,70	268,71	268,71	2,00
530967,69	5421216,63	269,25	269,25	2,00
530974,66	5421218,99	269,74	269,74	2,00
530982,31	5421220,39	270,13	270,13	2,00
530990,39	5421221,36	270,45	270,45	2,00
530996,66	5421221,92	270,98	270,98	3,00
531004,31	5421221,64	271,46	271,46	3,00
531011,97	5421220,66	271,96	271,96	4,00
531017,82	5421219,13	272,27	272,27	4,00
531023,81	5421217,18	272,67	272,67	4,00
531030,07	5421213,98	273,02	273,02	4,00
531033,14	5421210,50	273,16	273,16	4,00
531036,48	5421211,89	273,29	273,29	3,00

X = 530995,87 Y = 5421211,74 Z = 277,38; Distance: 144,7

Select an object or begin a new object

3D model showing road traffic emissions, industrial noise sources, and a noise barrier with defined acoustic properties.

Modeling of the Geometry

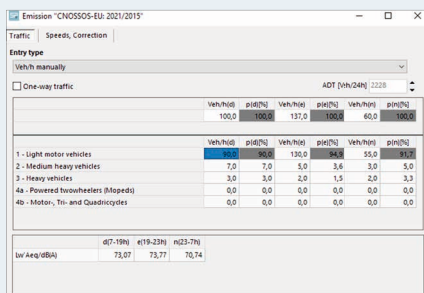
All geometry data are entered in the SoundPLANessential editor. Aside from the site map presentation, the data can also be checked for a consistent noise model in the 3D presentation. The easiest way to create the model data is to import a geo-referenced bitmap and digitize the data on top of it. The interactive map interface to Google Maps and OpenStreetMap makes it simple to get background maps. If you already have digital model data, import it via the DXF, ASCII, ESRI Shapefile or OpenStreet Map interfaces. Digital elevation data, such as laser scanning data can be intelligently filtered before importing them so that the elevation model needed for the noise propagation covers all relevant terrain edges but remains manageable.

The following objects are available (without any restriction in the number):

- Noise sources: Road (with traffic junctions), railway, parking lot, point, line and area source (assigned or not assigned to a building), stages (d&b audiotechnik GmbH)
- Ground absorption and attenuation areas
- Elevation lines and spot heights
- Buildings, noise protection walls and earth berms
- Receivers attached to a building or free-field receivers with any number of floors
- Noise map calculation area
- General lines / labeling texts

Definition of the Emission

SoundPLANessential can calculate the noise from roads, railways, industry sources and parking lots. The emission level of the roads is calculated from the traffic volume, the distribution to the vehicle types and other emission parameters such as road surface and speed. The emission calculation of railway sources needs the train types with their acoustical properties and the properties of the track, for example the track speed or the condition of the track. The emission of industrial



Emission calculation for a road with vehicle types according to CNOSSOS-EU.

Calculation

SoundPLANessential provides the following calculation types: Digital ground model from spot heights and elevation edges, single point calculations (to prove the noise situation at decisive receivers), limit contour lines and grid noise maps (display of color filled ISO-dB-areas). The original SoundPLAN calculation kernel is working in the background so all available threads of your PC can be used to guarantee a fast calculation. It is possible to calculate road, railway and industry noise together in one or in separate files. An additional project variant makes it possible to prove the decrease of noise due to noise protection walls and berms. On request the maximum level for the loudest emission point on a line or area source is automatically detected.

Road:

ASJ RTN-Model 2018 · BUB: 2021 · CNOSSOS-EU: 2021 · CoRTN: 1988 · HJ 2.4 Road: 2021 · NMPB 2008 · ÖAL 28: 2021 (RVS 4.02.11) · RLS-19 · RLS-90 · RVS 3.02/4.02: 2009 · sonROAD 18: 2024 · TNM 3.0

Railway:

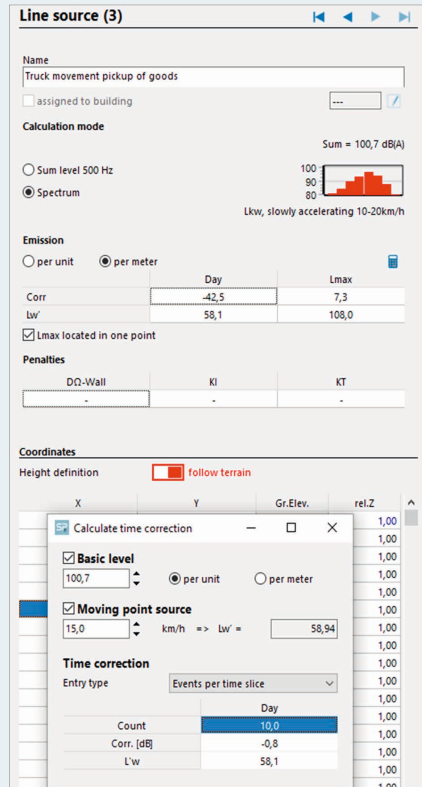
BUB: 2021 · CNOSSOS-EU: 2021 · CoRN: 1995 · FTA: 2018 / FRA - HSGT: 2005 · Israeli Rail: 2006 · Japan Narrow Gauge Railways: 2008 · NF S 31-133 Rail: 2007 · ÖAL 28: 2021 (RVE 4.02.11) · RMR 2002 · Schall 03: 2012/2014 · SEMIBEL: 1990

Industry:

ASJ CN-Model 2007 · BS 5228-1: 2009+A1: 2014 · BUB: 2021 · CNOSSOS-EU: 2021 · HJ 2.4: 2021 · ISO 9613-2: 1996/2024* · Nord2000 · ÖAL 28: 2021 · ÖNORM ISO 9613-2: 2008 *) without cylinders and informative annexes

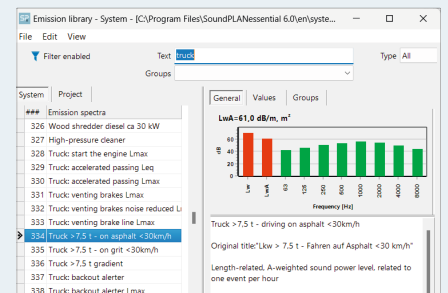
Parking lot:

Parking Area Noise: 2007 · RLS-19 · RLS-90

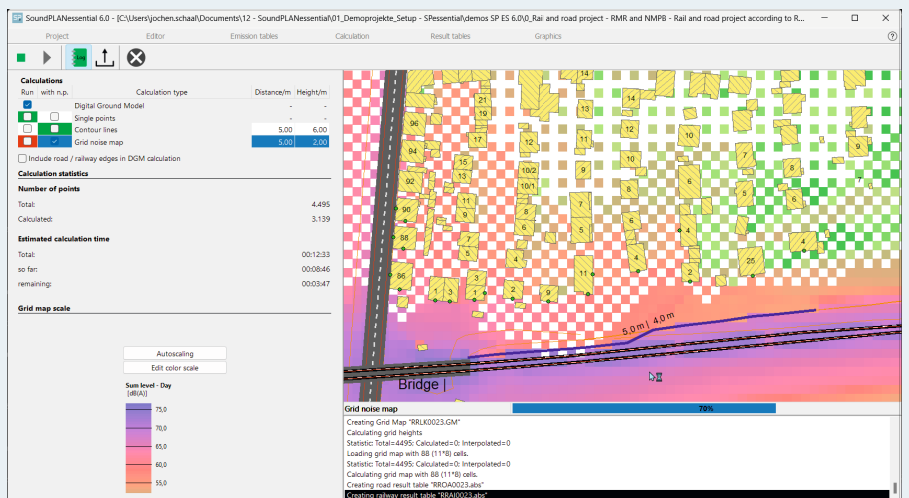


Definition of a moving point sound source with specification of the sound power level and speed.

sources is either entered as a mean sound power level or via a 1/3-octave/octave spectrum. The extensive emission library provides a large selection of different emission spectra. You can extend the library with your own spectral sources. The software automatically calculates the additions and deductions for the assessment times based on the operating times of the source. In addition to the sound pressure level, the maximum level can also be taken into account and assessed.



Selection of an element from the emission library with over 1200 entries.



Example: Grid noise map during the calculation with several threads.

On request the maximum level for the loudest emission point on a line or area source is automatically detected.

Documentation in Tabular and Graphical form

The emission calculation of the different noise sources (roads, railways, industrial sources) and the results are clearly documented in tables. The result tables include the plain results with the assessment levels and the limit exceedance as well as the documentation of noise contribution levels and frequency spectra at the receivers. The results are in addition automatically refined for the graphical representation – either as small tables at the receivers, as limit contour lines or as color-filled noise contour areas. All output is pre-formatted and ready for use, allowing you to generate complete documentation without additional formatting effort. The following is a small selection of the extensive documentation options that SoundPLANessential offers you.

This table provides detailed documentation of road traffic noise emissions. It includes all relevant input parameters such as traffic volumes, broken down by vehicle category and speed for different time periods. Additional influencing factors like road surface type, the presence and distance of junctions, and possible gradients are also considered. The data is organized per road section and direction of traffic flow. In addition to the input parameters, the resulting emission levels are also documented, ensuring transparency and consistency for further noise prediction steps.

Project No. 071-9144: New development of a roundabout
Noise emissions of road traffic

Station km	DTV km/h	Vehicles type	MTI km/h	Traffic values		p(N) %	Speed		Road surface	Junction	Distance m	Multiple Reflection (%)	Gradient Min/Max %	Emission level	
				M(N) km/h	W(N) km/h		W(T) km/h	W(N) km/h						Lw(T) dB(A)	Lw(N) dB(A)
Chapel road															
0+000	3430	Car		185,7	24,8	92,4	30	30	SMA 8	Roundabout	0-115	-	-3,7-4,6	72,7-74,9	63,9-66,2
		Truck2		7,6	1,0	3,8	30	30							
		Motorcycles		7,6	1,0	3,8	30	30							
Ring Street															
0+000	11264	Car		526,7	70,2	79,8	40	40	SMA 8	Roundabout	0-120	-	-1,2-1,4	80,7-83,3	71,9-74,5
		Truck2		66,7	8,9	10,1	40	40							
		Motorcycles		66,7	8,9	10,1	40	40							
0+133	11264	Car		526,7	70,2	79,8	40	40	SMA 8				-2,2-2,7	80,7-80,8	71,9-72,1
		Truck2		66,7	8,9	10,1	40	40							
		Motorcycles		66,7	8,9	10,1	40	40							
London road															
0+000	8317	Car		418,2	47,3	85,0	70	70	SMA 8				-3,3-3,7	83,7-84,1	74,2-74,6
		Truck2		36,9	4,2	7,5	70	70							
		Motorcycles		36,9	4,2	7,5	70	70							
0+218	8317	Car		418,2	47,3	85,0	70	70	SMA 8	Roundabout	118-120	-	-2,4-2,3	83,7-83,8	74,3-74,4
		Truck2		36,9	4,2	7,5	70	70							
		Motorcycles		36,9	4,2	7,5	70	70							
0+220	8317	Car		418,2	47,3	85,0	50	50	SMA 8	Roundabout	0-114	-	-7,2-2,3	80,3-82,8	70,8-73,3
		Truck2		36,9	4,2	7,5	50	50							
		Motorcycles		36,9	4,2	7,5	50	50							

SoundPLAN GmbH - Etzlesberg 15 - 71522 Backnang

Comprehensive tabular overview of all industrial noise sources, including day and night Leq values as well as Lmax levels where available. Each source is documented with full octave-band frequency spectra, reference units, and correction values such as facade reflection, impulsiveness, and tonality.

Approval procedure - Factory Metallfix
Noise emissions of industry sources

Source name	Reference	Level (dB(A))	Frequency spectrum (dB(A))										Corrections	
			31 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz	dB	dB
Truck movement/delivery	Lw/mt	Day	59,4	-	39,7	42,7	48,8	51,8	55,7	52,7	46,8	38,7	-	-
Truck movement/pickup of goods	Lw/mt	Day	108,2	-	88,3	91,3	97,4	100,6	106,3	101,4	95,4	87,3	-	-
Forklift loading goods	Lw/mt	Day	77,4	-	52,5	58,5	69,6	73,6	70,5	69,5	62,6	55,5	-3,0	-3,0
Door 1 finished goods	Lw/mt	Day	113,4	-	88,1	94,1	105,2	109,2	106,8	105,4	99,4	89,1	-3,0	-3,0
Parking manoeuvre truck delivery	Lw/mt	Day	82,4	-	63,6	66,6	70,6	75,6	78,6	75,6	69,6	60,6	-	-
Air conditioner	Lw/mt	Day	108,2	-	89,4	92,4	98,4	101,4	107,4	102,4	96,4	88,4	-	-

Result documentation as a structured table of two single point calculations. Comparison of the calculated variant without and with noise barrier. Together with the limit values, limit exceedances and level reductions due to the noise protection.

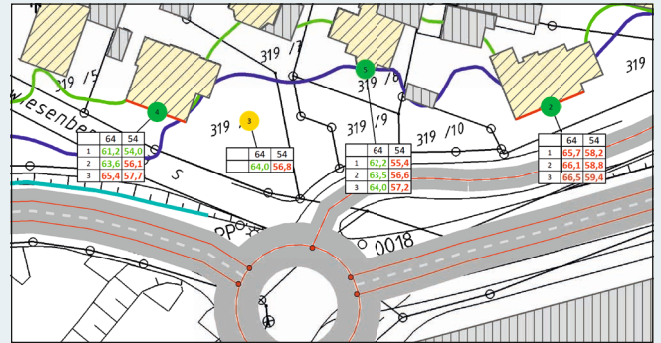
SoundPLANessential 6.0 - [C:\Users\...]\Documents\12 - SoundPLANessential\01_Demoprojekte_Setup - SPessential\demosp ES 6.0\4_Rail and road project - CoRN and CoRTN - Rail and road project according to CRN and CoR...

No.	Receiver name	Building side	Floor	Limit		Level w/o NP		Level w NP		Difference		Conflict	
				Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
1	Black road 4	West	EG	63	57	56,1	52,1	48,7	44,7	-7,4	-7,4	-	-
			1.OG	63	57	56,6	52,6	50,2	46,2	-6,5	-6,5	-	-
			2.OG	63	57	62,0	58,0	52,8	48,8	-9,2	-9,2	-	-
2	Black road 11	South	EG	63	57	62,6	58,6	54,5	50,5	-8,0	-8,0	-	-
			1.OG	63	57	59,3	55,3	50,4	46,4	-8,9	-8,9	-	-
			2.OG	63	57	60,0	56,0	51,8	47,9	-8,2	-8,2	-	-
3	Black road 11	East	EG	63	57	60,5	56,5	53,7	49,7	-6,8	-6,8	-	-
			1.OG	63	57	64,2	60,3	56,0	52,0	-8,2	-8,2	-	-
			2.OG	63	57	64,7	60,8	57,5	53,5	-7,2	-7,2	-	-
4	Green road 1	South	EG	63	57	65,1	61,1	59,7	55,7	-5,4	-5,4	-	-
			1.OG	63	57	62,7	58,7	61,0	57,1	-1,7	-1,7	-	0,1
			2.OG	63	57	64,3	60,4	61,4	57,4	-2,9	-2,9	-	0,4
5	Green road 2	South	EG	63	57	59,9	55,9	49,7	45,7	-10,2	-10,2	-	-
			1.OG	63	57	60,6	56,7	50,7	46,7	-10,0	-10,0	-	-
			2.OG	63	57	62,5	58,5	53,5	49,5	-8,9	-8,9	-	-
6	Main road 1	South	EG	63	57	62,5	58,5	53,5	49,5	-8,9	-8,9	-	-
			1.OG	63	57	63,4	59,5	55,7	51,7	-7,7	-7,7	-	-
			2.OG	63	57	62,1	58,1	58,3	54,3	-3,9	-3,9	-	-
7	Main road 3	South	EG	63	57	62,7	58,7	58,7	54,7	-4,0	-4,0	-	-
			1.OG	63	57	62,5	58,5	53,5	49,5	-8,9	-8,9	-	-
			2.OG	63	57	63,4	59,5	55,7	51,7	-7,7	-7,7	-	-
8	Main road 4	South	EG	63	57	64,1	60,1	63,3	59,3	-0,7	-0,7	0,3	2,3
			1.OG	63	57	64,5	60,5	63,6	59,6	-0,9	-0,9	0,6	2,6
			2.OG	63	57	64,8	60,9	63,9	59,9	-1,0	-1,0	0,9	2,9
9	Main road 9	South	EG	63	57	63,8	59,8	62,8	58,8	-1,0	-1,0	-	1,8
			1.OG	63	57	64,4	60,4	63,1	59,1	-1,3	-1,3	0,1	2,1
			2.OG	63	57	64,8	60,8	63,3	59,4	-1,4	-1,4	0,3	2,4
10	Main road 9	South	EG	63	57	53,5	49,5	48,9	44,9	-4,6	-4,6	-	-
			1.OG	63	57	56,5	52,5	51,2	47,2	-5,3	-5,3	-	-
			2.OG	63	57	64,3	60,3	56,4	52,4	-7,9	-7,9	-	-
11	Main road 9	South	EG	63	57	65,0	61,0	57,4	53,4	-7,6	-7,6	-	-
			1.OG	63	57	59,9	55,9	52,1	48,2	-7,8	-7,8	-	-
			2.OG	63	57	62,3	58,3	54,7	50,7	-7,6	-7,6	-	-
12	Pink road 25	South	EG	63	57	61,4	58,5	61,0	58,2	-0,4	-0,3	-	1,2
			1.OG	63	57	63,7	60,4	63,3	60,1	-0,4	-0,3	0,3	3,1
			2.OG	63	57	63,7	60,4	63,3	60,1	-0,4	-0,3	0,3	3,1

The mean propagation table shows detailed sound propagation results for all relevant source-receiver combinations. It includes emission levels and individual attenuation components such as distance, ground, atmospheric absorption, reflections, and screening. This enables full transparency of how the final noise level at each receiver is determined.

Approval procedure - Factory Metallfix																		
Mean propagation																		
Source name	Source type	Time slice	Lw	Lp	ET	ED	S	Adm	Abbr	Adm	Amisc	dctm	LS	Cmet	dctm/05	SLw	SLr	
(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	
Industry level 1 - 00																		
Ar conditioner	Point	Day	70,3	70,3	0,0	0,0	0,0	142,45	-54,1	2,1	-4,8	-1,0	0,0	0,0	0,0	124,0	0,0	124,0
		Night	70,3	70,3	0,0	0,0	0,0	142,45	-54,1	2,1	-4,8	-1,0	0,0	0,0	0,0	124,0	0,0	124,0
		Evening	70,3	70,3	0,0	0,0	0,0	142,45	-54,1	2,1	-4,8	-1,0	0,0	0,0	0,0	124,0	0,0	124,0
Door 1 finished goods	Area	Day	63,7	63,7	0,0	0,0	0,0	110,83	-19,9	2,0	0,0	0,0	0,0	0,0	0,0	115,0	0,0	115,0
		Night	63,7	63,7	0,0	0,0	0,0	110,83	-19,9	2,0	0,0	0,0	0,0	0,0	0,0	115,0	0,0	115,0
		Evening	63,7	63,7	0,0	0,0	0,0	110,83	-19,9	2,0	0,0	0,0	0,0	0,0	0,0	115,0	0,0	115,0
Fork lifter loading goods	Area	Day	54,4	54,4	3,0	0,0	0,0	115,53	-27,7	1,7	0,0	0,0	0,0	0,0	0,0	24,0	0,0	24,0
		Night	54,4	54,4	3,0	0,0	0,0	115,53	-27,7	1,7	0,0	0,0	0,0	0,0	0,0	24,0	0,0	24,0
		Evening	54,4	54,4	3,0	0,0	0,0	115,53	-27,7	1,7	0,0	0,0	0,0	0,0	0,0	24,0	0,0	24,0
Parking manoeuvre truck delivery	Point	Day	113,0	113,0	0,0	0,0	0,0	116,00	-17,9	1,9	0,0	0,0	0,0	0,0	0,0	119,0	0,0	119,0
		Night	90,8	90,8	0,0	0,0	0,0	99,98	-10,0	1,8	0,0	0,0	0,0	0,0	0,0	114,0	0,0	114,0
		Evening	90,8	90,8	0,0	0,0	0,0	99,98	-10,0	1,8	0,0	0,0	0,0	0,0	0,0	114,0	0,0	114,0
Truck movement delivery	Line	Day	105,0	105,0	0,0	0,0	0,0	99,98	-10,0	1,8	0,0	0,0	0,0	0,0	0,0	114,0	0,0	114,0
		Night	82,8	82,8	0,0	0,0	0,0	86,96	-2,0	1,8	0,0	0,0	0,0	0,0	0,0	109,0	0,0	109,0
		Evening	82,8	82,8	0,0	0,0	0,0	86,96	-2,0	1,8	0,0	0,0	0,0	0,0	0,0	109,0	0,0	109,0
Truck pick-up goods	Line	Day	105,0	105,0	0,0	0,0	0,0	99,98	-10,0	1,8	0,0	0,0	0,0	0,0	0,0	114,0	0,0	114,0
		Night	82,8	82,8	0,0	0,0	0,0	86,96	-2,0	1,8	0,0	0,0	0,0	0,0	0,0	109,0	0,0	109,0
		Evening	82,8	82,8	0,0	0,0	0,0	86,96	-2,0	1,8	0,0	0,0	0,0	0,0	0,0	109,0	0,0	109,0
Industry level 3 - 00																		
Ar conditioner	Point	Day	70,3	70,3	0,0	0,0	0,0	142,42	-54,1	2,3	-4,7	-1,0	0,0	0,0	0,0	124,0	0,0	124,0
		Night	70,3	70,3	0,0	0,0	0,0	142,42	-54,1	2,3	-4,7	-1,0	0,0	0,0	0,0	124,0	0,0	124,0
		Evening	70,3	70,3	0,0	0,0	0,0	142,42	-54,1	2,3	-4,7	-1,0	0,0	0,0	0,0	124,0	0,0	124,0
Door 1 finished goods	Area	Day	70,3	70,3	0,0	0,0	0,0	142,42	-54,1	2,3	-4,7	-1,0	0,0	0,0	0,0	124,0	0,0	124,0
		Night	70,3	70,3	0,0	0,0	0,0	142,42	-54,1	2,3	-4,7	-1,0	0,0	0,0	0,0	124,0	0,0	124,0
		Evening	70,3	70,3	0,0	0,0	0,0	142,42	-54,1	2,3	-4,7	-1,0	0,0	0,0	0,0	124,0	0,0	124,0
Fork lifter loading goods	Area	Day	63,7	63,7	0,0	0,0	0,0	110,70	-19,9	2,1	0,0	0,0	0,0	0,0	0,0	114,0	0,0	114,0
		Night	63,7	63,7	0,0	0,0	0,0	110,70	-19,9	2,1	0,0	0,0	0,0	0,0	0,0	114,0	0,0	114,0
		Evening	63,7	63,7	0,0	0,0	0,0	110,70	-19,9	2,1	0,0	0,0	0,0	0,0	0,0	114,0	0,0	114,0
Parking manoeuvre truck delivery	Point	Day	113,0	113,0	0,0	0,0	0,0	116,00	-17,9	1,9	0,0	0,0	0,0	0,0	0,0	119,0	0,0	119,0
		Night	90,8	90,8	0,0	0,0	0,0	100,00	-10,0	1,9	0,0	0,0	0,0	0,0	0,0	114,0	0,0	114,0
		Evening	90,8	90,8	0,0	0,0	0,0	100,00	-10,0	1,9	0,0	0,0	0,0	0,0	0,0	114,0	0,0	114,0
Truck movement delivery	Line	Day	105,0	105,0	0,0	0,0	0,0	99,98	-10,0	1,8	0,0	0,0	0,0	0,0	0,0	114,0	0,0	114,0
		Night	82,8	82,8	0,0	0,0	0,0	86,96	-2,0	1,8	0,0	0,0	0,0	0,0	0,0	109,0	0,0	109,0
		Evening	82,8	82,8	0,0	0,0	0,0	86,96	-2,0	1,8	0,0	0,0	0,0	0,0	0,0	109,0	0,0	109,0

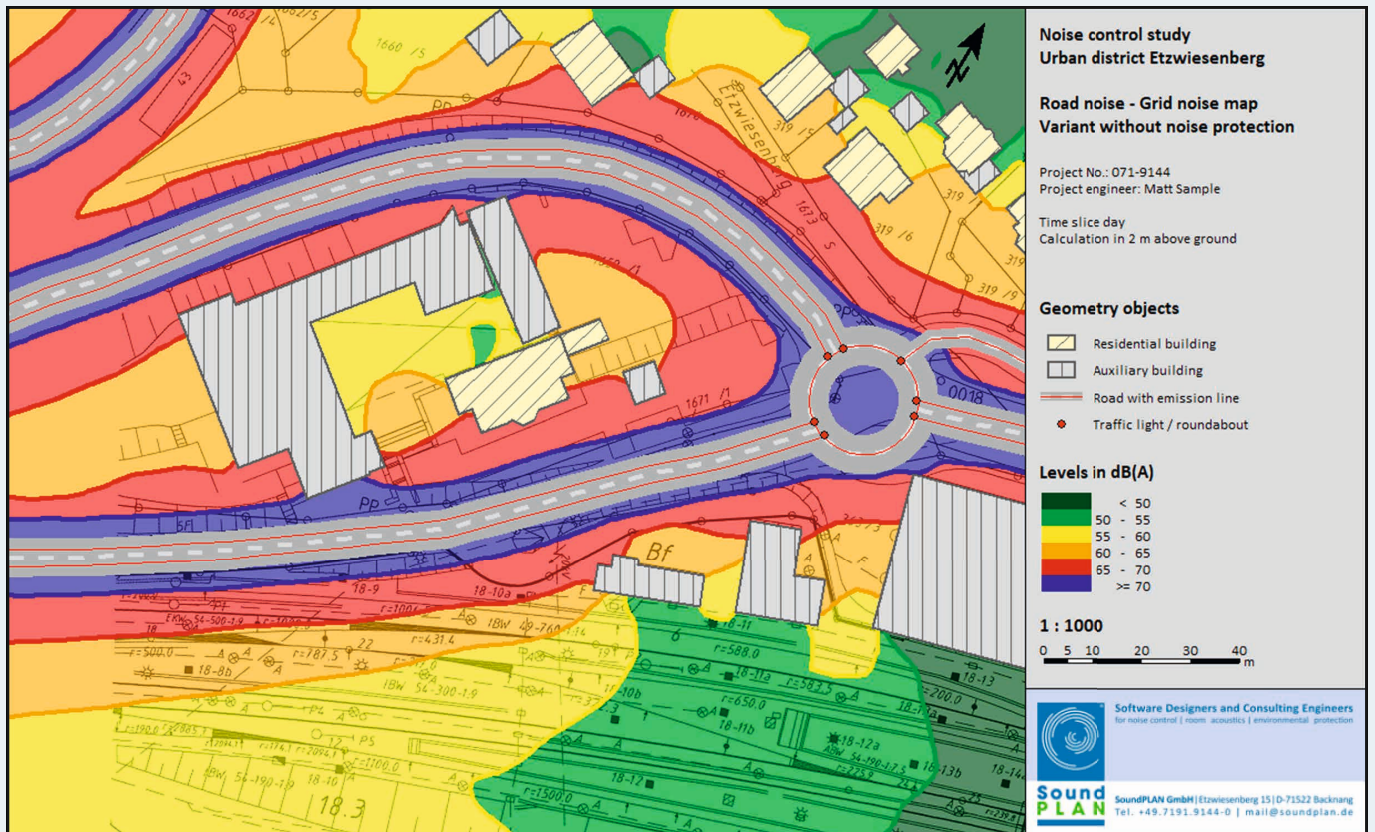
Display of the geometry and calculated receiver results, shown as level tables that provide a clear and compact overview within the selected map. In addition, color-coded limit contour lines for all time slices enhance the visual interpretation of the result.



The figure below shows a grid-based noise map presented as ISO-dB contour areas, calculated for the daytime period and at a height of 2 meters above ground level. The map displays the spatial distribution of sound levels using color-coded contours, making it easy to identify high and low exposure zones across the study area.

The results can be shown separately for different time slices (e.g., day, evening, night) and for different source groups, which may include road traffic, railways, parking areas, industrial sources, or the combined total. This allows for flexible evaluation and clear visualization of individual and cumulative noise contributions.

A detailed background map provides geospatial context, linking the acoustic data to surrounding buildings, infrastructure, and land use. Together with the legend and scale, this output is well-suited for use in technical documentation, planning, and communication with stakeholders.



SPe+

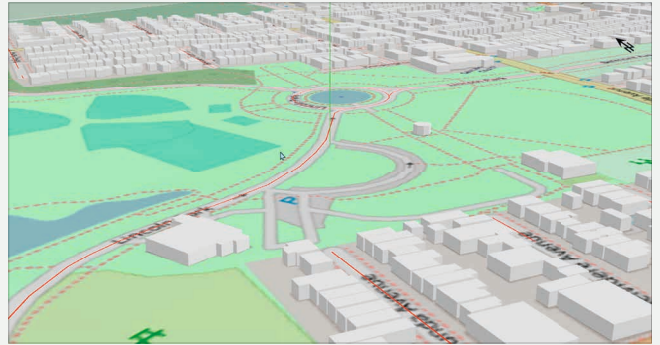
Additional content of SoundPLANessential +

is available exclusively as an annual subscription license, providing access to the latest features and expert support. It also includes additional valuable tools to enhance modeling and documentation capabilities.

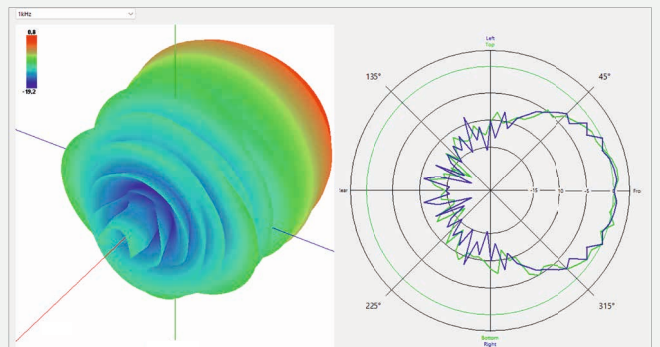
The advanced map interface allows geometric objects to be imported directly from OpenStreetMap along with their properties for a selected area. This saves a significant amount of time and further simplifies the creation of model data.



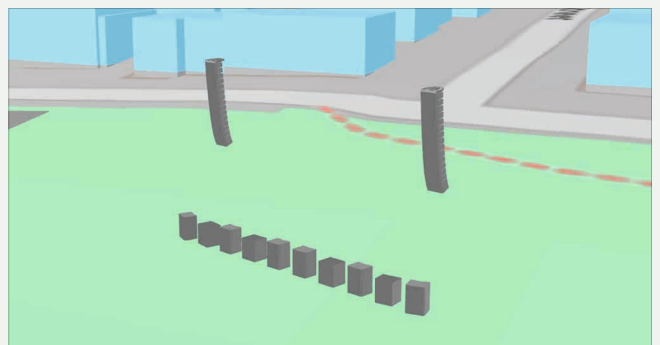
Map interface with integration of Google Maps and OpenStreetMap for easy selection of the investigation area. Enables direct transfer of background maps and/or geospatial data for accurate positioning and context.



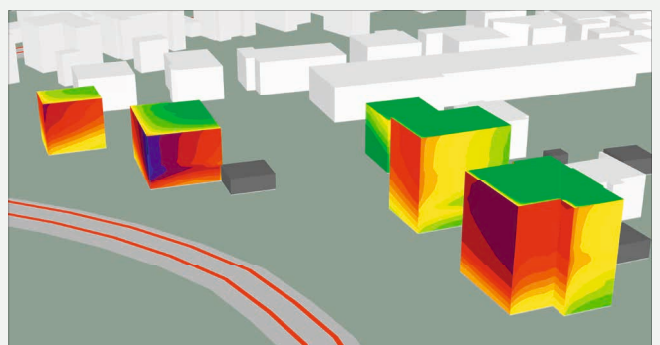
When modeling complex industrial facilities, the consideration of directivity effects of noise sources is a critical factor. SoundPLANessential+ allows you to add 2D or 3D frequency-dependent directivities to your sources and include them in the noise prediction calculation. You can use elements from our included directivity library, define your own, easily import existing loudspeaker data (such as CLF files), or generate stack directivity effects based on the ISO 9613-2:2024 standard.



Unlike traditional approaches that rely on static, pre-calculated directivity data - typically valid only for a given distance and unable to represent interactions between sources - SDE enables dynamic, physically accurate simulation of entire sound systems, including their spatial coherence behavior. This is particularly relevant for predicting environmental noise emissions from large-scale events, where conventional methods are inadequate for handling multiple interacting arrays, varying propagation paths, or the effects of meteorological conditions. The integrated SDE methodology allows simulation of the entire signal chain, spectral content, system tuning, and propagation effects.



Generate detailed facade noise contour maps for selected buildings and present them within comprehensive 3D visualizations. This approach allows for an in-depth analysis of noise impact, providing clear and informative insights into noise distribution around the structures.



Highlights SoundPLANessential

Overview of Program Features and Differences

This comparison outlines the key features of SoundPLANessential and SoundPLANessential+ highlighting some of their unique capabilities and differences.

	SoundPLANessential SPe	SoundPLANessential + SPe+
No artificial limitation of the model data	•	•
Various geometry import interfaces	•	•
Data and attribute import for OSM via convenient map interface		•
Definition and calculation of traffic noise (road/rail) or commercial and leisure noise	•	•
Free definition and utilisation of directional effects for point, line and area noise sources		•
Definition and calculation of electro-acoustic installation	• ¹⁾	•
Utilisation of all available processors and threads	•	•
Comprehensive tabular documentation	•	•
Graphical documentation - Level tables with limit isophones - Color-coded noise map - Color-coded 3D facade noise maps	• •	• • •
Building Acoustics - Outside	• ²⁾	•
Available with a perpetual license for long-term use	•	
Available as a Cloud License (CL), providing flexible, time-limited access	•	•

¹⁾ Only export data from d&b audiotechnik software ArrayCalc (dbac2 and dbpr format).

²⁾ Can be purchased as an additional option and is not included in the basic SoundPLANessential package.

SoundPLANessential offers a range of options that cater to both occasional users seeking a straightforward workflow and experienced professionals who need solutions for acoustically demanding projects.

If you would like more information or wish to schedule a personalized presentation, please contact your local SoundPLAN distributor. Together with our global network of partners, we are dedicated to ensuring that everyone working in the field of noise protection receives the support and answers they need.

Software Designers and
Consulting Engineers
Experts for Noise Control
and Room Acoustics



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