Cadna B®

The building acoustic planning system



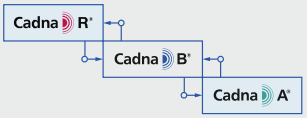

CadnaB is the software to calculate airborne and impact sound transmission between rooms for an entire building including airborne sound transmission from and to the exterior. CadnaB also connects to CadnaA and/or CadnaR for extended transmission calculations.

Calculation

CadnaB calculates the airborne and impact sound transmission in third-octave band width and for single number values. The software is designed to implement any national standard in the future.

Easy handling

CadnaB features a comprehensive user interface allowing the direct modelling of an entire multi-storey building from scratch. It also imports full Bastian projects.



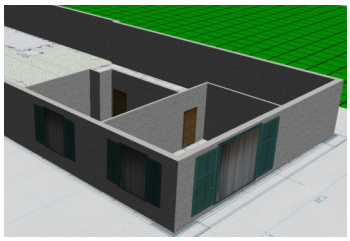
Connectivity

CadnaB can be connected to CadnaA and / or CadnaR for an extended transmission calculation from the outside to the inside and vice-versa.

Presentation of results

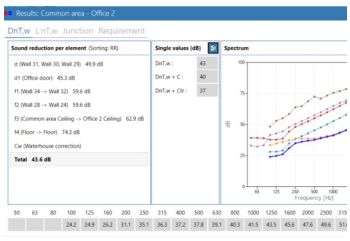
Take advantage of modern tools for displaying results with the purpose of presentation and further analysis. **CadnaB** also creates full reports in Microsoft Word format.

DataKustik



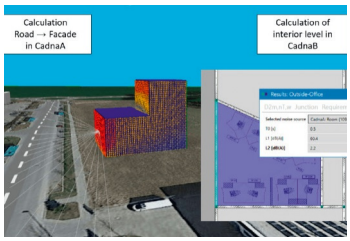
Modelling of entire buildings

CadnaB's concept is based on the modelling of the whole building. Walls, doors, windows and other elements can be modelled in 2D while seeing the changes in 3D in real time. Bitmap plans can be imported and used as a base layer for drawing the objects.



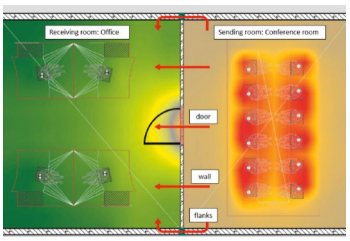
Calculation and standards

Thanks to **CadnaB's** design philosophy, further calculation procedures and national standards will be implemented in the future, allowing the extensive use of the software no matter where it should be applied.



Interoperability with CadnaA

CadnaB-buildings can be placed in a CadnaA model with a few clicks to calculate the level in front of the façade. In consideration of the building acoustic properties defined in **CadnaB**, the interior level can be calculated according to ISO 12354.



Interoperability with CadnaR

Use CadnaR in the sending and receiving room to consider the position of sources, receivers and obstacles inside the room. The transmission through the wall is calculated based on the building acoustic properties defined in **CadnaB** including selected constructions, doors or windows.

Features of CadnaB 2022

- Extensive Undo and Redo function implemented, for example at modification of object attributes or geometry.
- ISO 12354 - New calculation option for impact noise from bottom to top now available.
- Import of construction data from software INSUL (Marshall Day Acoustics), exported from INSUL version 9.0.24 or later
- Export of an overview page of all constructions referenced in the project
- Auralization between adjacent rooms incl. variant comparison

www.datakustik.com/products/cadnab/whats-new/

Hotline Our team of highly experienced engineers and IT-specialists with expertise in all areas of noise calculations are at your service. Just send us an email and we will solve any software related problem which is not described in any tutorial or technical note.

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Learn more about CadnaB