

# 4dNoise



The screenshot displays the SoundPLAN 8.0 software interface. At the top left is the 'SP noise' logo. The main title is 'Industry building'. On the right, 'SoundPLAN 8.0' is displayed. The interface features a grid of ten icons representing different modeling capabilities: a house, a factory building, a machine enclosure, a diffraction model, a window, a bar chart, a data table, a power plant, a turbine, and a window with an arrow. Below the grid, there are two columns of text. The left column is titled 'Project description' and lists 'Project No.', 'Project engineer', and 'Customer'. The right column is titled 'Standards' and lists: 'Road: RLS-90 (RLS-90)', 'Railway: Schall 03 (Schall 03)', 'Industry: ISO 9613-2: 1996', 'Parking lots: ISO 9613-2: 1996 (Parkplatzlärmstudie 2007)', 'Wind turbines IoA Windturbinen', 'Aircraft: AzB: 2008', 'Assessment: CNEL (CA)', and 'Emission time slices + Cmet: 7-19 19-23 23-7'.

## ALL-IN-ONE SOUNDPLAN 8.0 INDOOR & OUTDOOR SOUND MODEL

With the new Sound Particle Diffraction (SPD) model, it is now possible to model a factory building with multiple rooms and calculate the transmission from room to room through the walls. This means we can evaluate scenarios where a source is encapsulated in a machine enclosure, calculate the noise level in an operator stand shielded from the noisy factory floor, compute noise levels in an office adjacent to the noisy factory floor or the standard setup for power plants where the turbine sits on a floor slab and part of the machine house is open from ground to the roof.

*Find out more*

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