

# SUCCESS STORY

## VIBRATION ISOLATION

## Lokhöfe building project, Rosenheim

### PROJECT DATA

#### Brief description

On the former railway station area north the new „Lokhöfe“ residential quarter is being built in Rosenheim. The planned completion is in the 3rd quarter of 2023.

#### Requirement

During rail traffic, vibrations and secondary airborne noise are generated. Therefore, sufficient immission protection is required for this construction project.

#### City, year

Rosenheim, 2022



Visualisation: ©ATP/Sontowski & Partner Group

### PROJECT DESCRIPTION

A new „Lokhöfe“ residential complex is being built in Rosenheim, which was developed by S&P Commercial Development GmbH. The building complex includes student, nursing and senior living units. The development area runs close and parallel to the railway line. According to evaluating the results measured on site, measures against the immission of secondary airborne noise are required. One of them is the implementation of an elastic decoupling of the basement walls bordering on the ground, which are on the side facing the track and partly on the flanking side. Furthermore, groundwater below ground level is to be expected.



Visualisation: ©ATP/Sontowski & Partner Group

### SOLUTION

This elastic decoupling was carried out with Calenberg products Cisador® 10 and Cisador® 80. A single layer of Cisador® 10 was applied to the upper half and a double layer of Cisador® 80 to the lower half of the outer basement wall. The Cisador® types are particularly suitable for the elastic decoupling of buildings in groundwater.

