

SUCCESS STORY

VIBRATION ISOLATION

PROJECT DATA

Brief description

An urban building complex with several structures of different types of use will be constructed close to the tram tracks. Completion is scheduled for 2025.

Requirement

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

City, year

Nuremberg, 2022

PROJECT DESCRIPTION

The new Luitpoldviertel district is being built on the former „Autohaus Krauss“ site in Nuremberg. Construction work on the complex will begin in mid-2022. The complex consists of several buildings that are bordered on three sides by tram tracks. From the forecasts and assessments, based on on-site measurements and building dynamic modelling, two areas with substantial measures for elastic decoupling were identified. At this point, the aspect of economic benefit is also taken into account.

SOLUTION

Horizontal vibration protection under the floor slab (partial areas) with various Cisador® types.

Vertical vibration protection on some basement walls with different Cisador® and Ciflex types.

Luitpoldviertel building project, Nuremberg

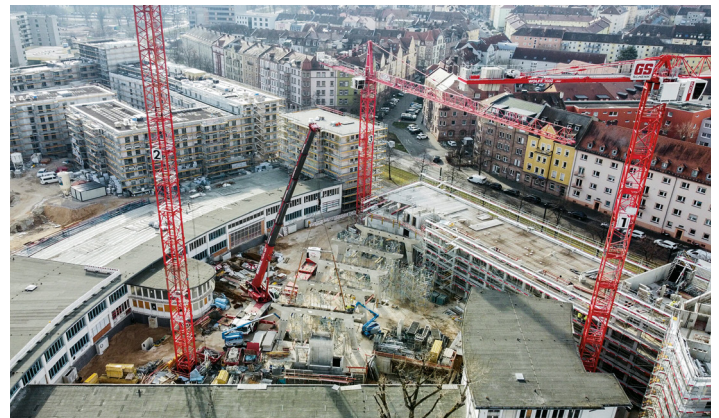


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