

“Trackside Tribune” project at Zollstrasse in Zurich: structural engineering



A new apartment complex was planned and built in the heart of Zurich at the site of a former supply yard for the construction of the city's Diameter Line. The team responsible for the project consisted of the architectural design and engineering firms Esch Sintzel and EBP, whose joint proposal emerged as the winner of the two-stage architectural design competition. The completed project was awarded a prize in the “Auszeichnung für gute Bauten 2016 – 2020” awards for building projects in the city of Zurich during that period.

The scope of the project includes the construction of three new buildings offering space for 140 apartments, a restaurant and various stores and small businesses. The three buildings and a neighboring building are to be joined by a common underground level that is located directly adjacent to the metropolitan railway tunnel. The three towers are to feature six to eight upper levels rendered in a conventional solid construction. The entire underground structure is to be given an elastic suspension to achieve acoustic decoupling. Despite the complex geometry of the upper levels and the different uses in the building's upper, ground and underground levels, the architects and engineers succeeded in developing a load-bearing structure without girder floors. The excavation pit directly adjacent to the railway tunnel has been outfitted with a deformation-resistant support structure that will require a precise management of the construction sequences.

Picture Credits: Rendering SBB

Client

SBB Real Estate, Development Region East

Facts

Period 2014 - 2018

Project Country Switzerland

Contact persons

Daniel Rüegg
daniel.rueegg@ebp.ch

Carlos Montull
carlos.montull@ebp.ch