

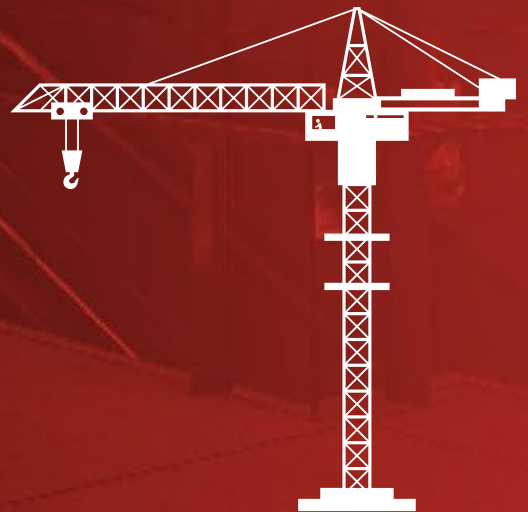


OUR REFERENCES IN BUILDINGS

PARC DU SIMPLON



Lausanne, Renens





Client

CFF Chemins de fer fédéral suisses



Company

CSC Costruzioni



Person in charge

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Work duration

Bat A-C 11.2018 – 11.2020

Bat B 11.2018 – 04.2021



Location of construction

Lausanne, Renens



Type of contrat

General / Total Contractor



Coordination and site management

CSC Costruzioni



Contract amount

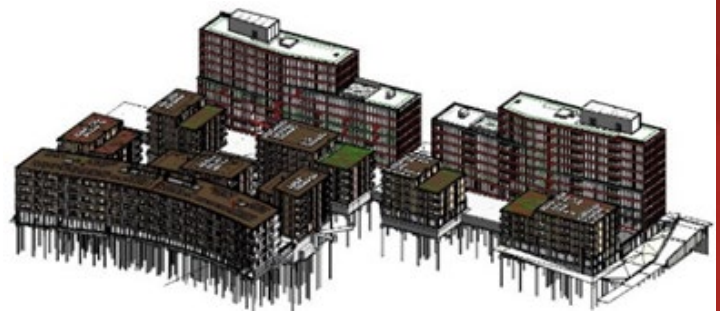
CHF 110,663,595 (excluding taxes)

Description of works

The Parc du Simplon project envisions a new district in the heart of western Lausanne. The district is located along the railway line and is directly connected by a pedestrian footbridge to Renens station, only 5 km from the centre of Lausanne.

In addition to 200 apartments, the project includes offices, shops and local services, restaurants, playgrounds, relaxation areas, and 293 underground parking spaces.

Two office buildings (buildings A2 and A3) are located along the railway line, creating a screen between train traffic and the residential buildings. A large part of the total surface area of 17,034 m² is reserved for the employees of the CFF regional headquarters.



To the south, in a more secluded position and sheltered from noise, are the eight buildings B and C, mainly intended for housing, with apartments of various sizes on the upper floors and commercial spaces on the ground floor.

To improve planning efficiency during the various phases of construction, CSC Costruzioni applies the BIM methodology.

Thanks to 4D simulation (linking the model to the work schedule), the schedule is monitored and tracked by verifying each procedure and identifying any deviations from the forecast.

Project management includes:

- Project analysis: incorrect assessment in identifying and quantifying resources;
- Resource planning: incorrect evaluation of procedure types and estimated productivity rates;
- Personnel efficiency level: insufficient equipment provided for the type or size of the beneficiary organization;
- Intervention of unforeseeable external factors: need to redefine the organization of resources;
- Resource planning: incorrect evaluation of procedure types and estimated productivity rates.

All regulations and directives in force in Switzerland and in the canton of Vaud have been complied with for the turnkey construction of the buildings, including the dimensions of the structures, the MEP systems, and everything necessary for subsequent construction.

Main quantities



Building volume: 169,150 m³



Building A surface area: 17,034 m²

Building B surface area: 12,975 m²

Building C surface area: 8,442 m²



Garage: 239 parking spaces



Number of apartments: 200



Buildings A2-A3: Minergie-P certified

Designers

- Ferrari Architectes, Lausanne
- Oneworks, Milan
- SD Engineering, Lausanne
- BG Consulting Engineers, Lausanne
- Karakas and Français, Lausanne