COOP Rolle









SHORT DESCRIPTION

Construction of multifunctional buildings in the center of Rolle (Vaud).

THE PROJECT

For the construction of the 3 basement levels Implenia Special Foundations has created diaphragm wall in very complicated soils (very fluid silts), with a very active groundwater. The site situation in the center of Rolle with existing buildings nearby was also one of the major challenges of this project.

- 59 rental housing
- Large administrative and commercial areas (COOP)
- a health center (CMS)
- Underground private / public parking on 3 levels of basement (288 places)

SERVICES IN DETAIL

- 6000 m^2 of diaphragm wall in 800mm / 600 mm depth of 18 to 30 m, 400 m^2 of secant piles diameter 1200 mm deep

30 m

- Foundations: 112 piles of foundations drilled / cased diameter 800mm / 1000mm / 1200mm 40m deep
- Tubular shoring, different diameters, for a total of 650 tons

CHALLENGES

Very complex soil for diaphragm wall, underground water very active and located 50 cm from the surface, location of the site in the city center, limitation of settlements on the existing building nearby

FACTS

Location	Rue du Temple 8, Rolle , Switzerland
Status	completed
Construction volume (value of our services)	7 M CHF
Start of construction	November 2018
Completion	November 2020
Building owner	Swisscanto
Contracting entity	Implenia Suisse SA
Architect	Epure architecture
Project designer	Implenia Suisse SA
Construction management	Implenia Suisse SA
Construction management	Implenia Suisse SA