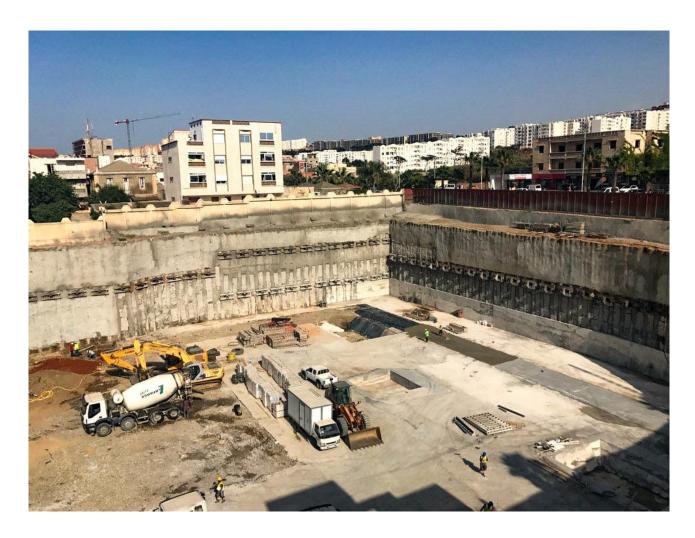


Le Patio real estate development

Ain-Benian

This project was for a temporary retaining wall as part of a real estate development.



The project

The project involved the construction of two R+8 buildings with four basements.

The challenge

The construction of the four basements in an urban environment required excavation work with a pit bottom 17.5 metres deep. The soil was predominantly sandy and more than 10 metres thick and the site was constrained by nearby roads and buildings.

The solution

To ensure the stability of the walls during the (temporary) construction phase, Keller built a support screen with disjointed piles, anchor rods and shotcrete. In total, Keller installed more than 4,500 ml of piles and 2,100 tie rods to stabilise walls over 13 metres high.

Project facts

Owner(s)

Fortis

Keller business unit(s)

Keller Algeria

Main contractor(s)

Fortis

Solutions

Excavation support

Markets

Residential

Techniques

Secant pile walls

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