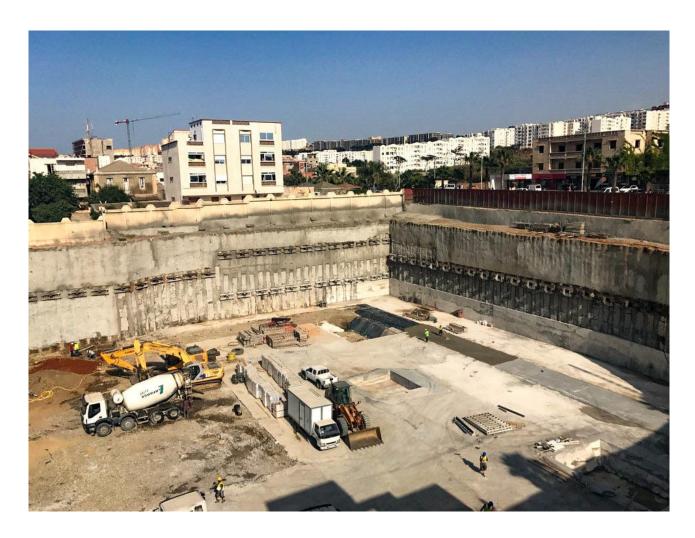


# Le Patio real estate development

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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