

Construction of a pumping station

Béni Messous

Piling and jet grouting to stabilise an excavation.



The project

The project was for the construction of a pumping station at the Béni Messous wastewater treatment plant.

The challenge

Excavation was to a depth of more than six metres in predominantly sandy soils so temporary support was required to prevent collapse and guarantee the stability of the walls during infrastructure work.

The solution

Keller designed and built a stable self-sustaining pile and jet grouting shielding to ensure the stability of the excavation walls. The shielding consisted of piles with Soilcrete® (jet grouting) elements inbetween to ensure watertightness.

Project facts

Owner(s)

Water ressources Gouvernement Department

Keller business unit(s)

Keller Algeria

Main contractor(s)

Amenhyd

Solutions

Excavation support

Markets

Industrial

Techniques

Jet grouting
Secant pile walls

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