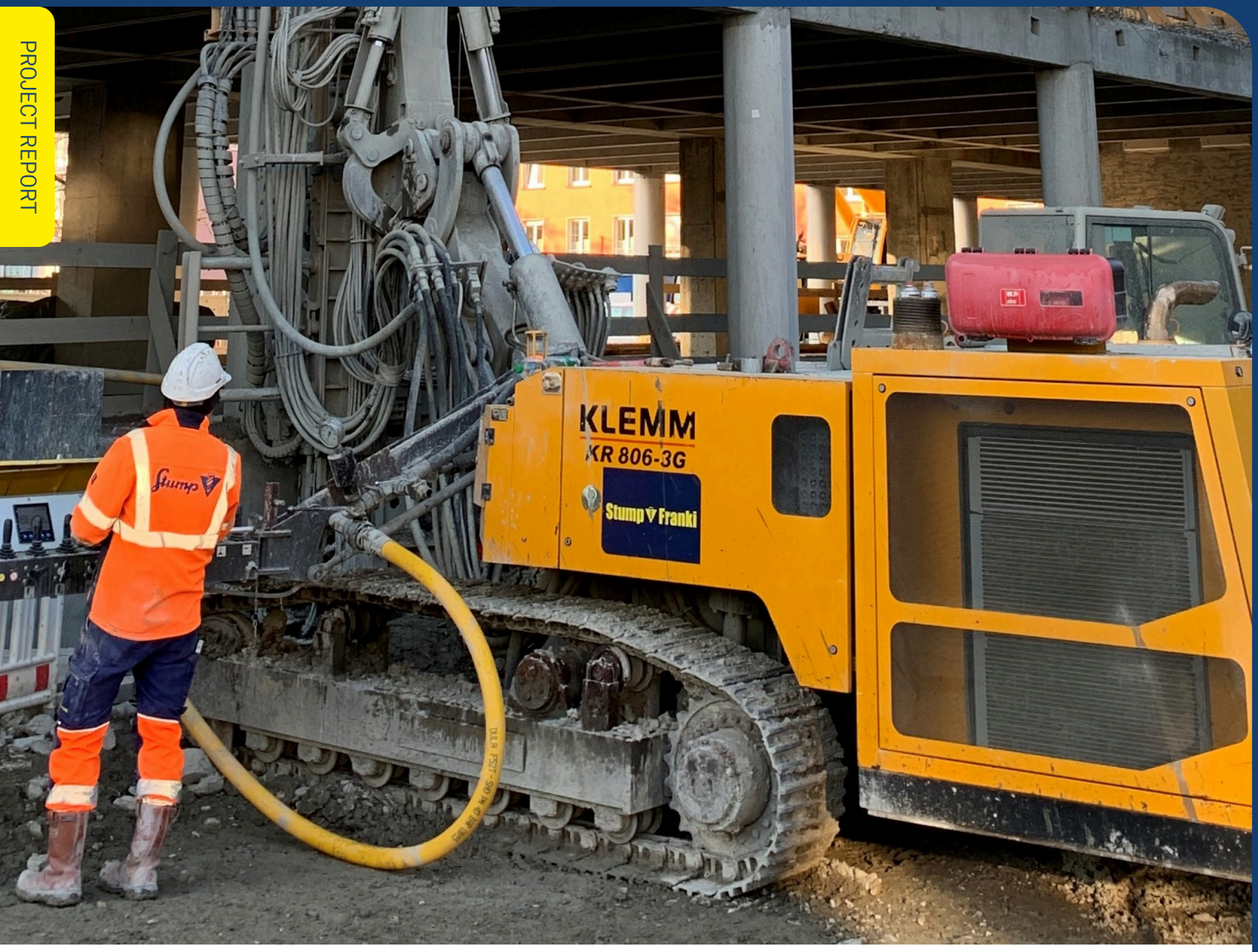
PROJECT REPORT



Telekom site, Constance

Data and facts

Company	PORR Spezialtiefbau GmbH
Type	Foundations
Runtime	02.2022 - 09.2022
Principal	Züblin

Project report online

www.porr-group.com

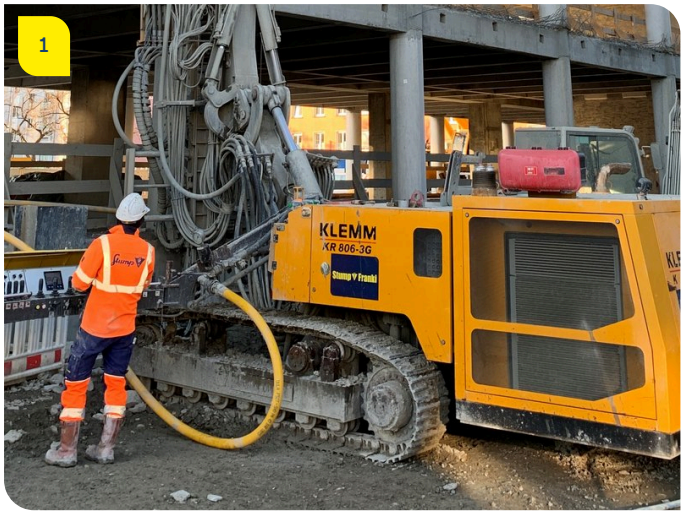
Specialist civil engineering expertise for the Telekom site in Constance

for example, had to be set through 40m of marl layers with embedded, water-bearing layers of gravel and sand. The drilling depth made it necessary to divide the reinforcement into pieces.

The balcony loads were transferred into the Constance lake clay stratum, partly via the reinforcement of the existing floors, and partly via 84 micropiles ranging between 23m and 25m in length. The clay's high water content and correspondingly low load-bearing capacity meant that the team had to proceed extremely carefully. To reach this layer, the piles had to be driven through very hard and abrasive soil. This is why the double-head drilling system with a down-the-hole hammer and crown was chosen for the construction of the micropiles instead of the originally planned Ischebeck drilling system.

A total of 73 DN880 foundation piles were used for the foundation of the underground car park down to a depth of 20m, and 36 DN1180 and DN750 bored piles were constructed for the anchored shoring wall.

Impressions



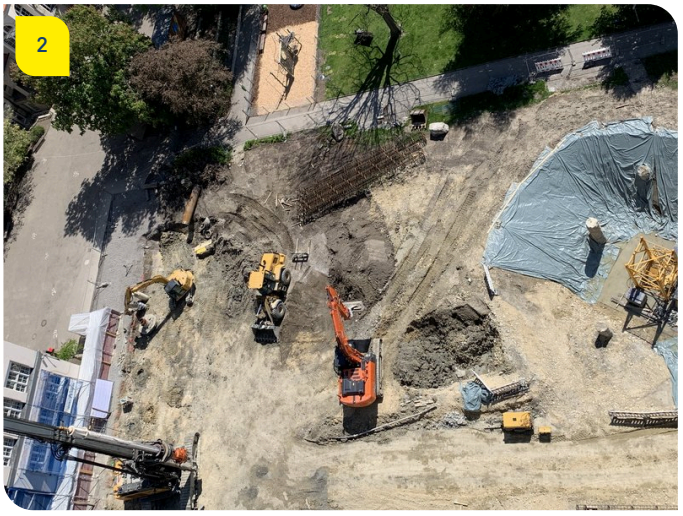


Image notes

1

Telekom site, Constance

In addition to the micropile foundation for the new balcony on the renovated Telekom tower, the package included foundation piles for the underground car park, large-diameter drilled piles for two crane foundations and a shoring wall with anchoring.

2

Telekom site, Constance

The geological conditions in Constance were a particular challenge for the special civil engineering work.

Do you have questions about the project or would you like to learn more? Feel free to contact us for further information.

PORR AG Group Communications

Absberggasse 47

1100 Wien

T +43 50 626-0

E-Mail: comms@porr-group.com