



Hanover Continental AG

Data and facts

Company	PORR Spezialtiefbau GmbH
Type	Turnkey construction pits
Runtime	07.2018 - 03.2019
Principal	Continental AG, Hannover

[Project report online](#)

www.porr-group.com



Two construction pits for the new Conti corporate headquarters

Custom solution proposal: sealing wall with prefabricated elements set in place

Two construction pits were required for the new buildings. PORR Spezialtiefbau was commissioned by Continental AG to produce the construction pits as part of a joint venture with GP Papenburg Baugesellschaft mbH. The team won over the employer by proposing a custom solution: instead of the planned sheet pile wall enclosure, Stump-Franki offered shoring in the form of a cut-off wall with prefabricated elements set in place. This economical alternative has already been successfully implemented by the experts in Hanover at Herrenhausen Palace and VHV Insurance.

Economical and secure on every terrain

The soil conditions in Hanover are typical of the area: the topsoil layer reaches a thickness of up to one metre and is followed by layers of Quaternary sand and gravel up to a thickness of 16-24 metres. Underlying the sands is the Hanoverian cretaceous series. The upper edge of the cretaceous series is between 17 and 25 metres below ground level and forms a natural dam. The challenging soil conditions did not stop the specialist foundation engineering team from keeping its promise to the customer: economical and secure on every terrain.

Services

- approx. 12,500m² sealing wall with set-in-place prefabricated concrete elements
- 214 anchors with 2 to 3 strands, approx. 10 to 15 metres; single layer
- 380m² sheet piling
- 185m² underwater concrete, 2m thick
- 23,000m³ soil excavated and disposed of/reused
- 32 partial displacement bored piles (PDP), d = 62cm

Impressions



Image notes

1

Continental AG, Hannover

Special civil engineering was commissioned in a joint venture with the construction of two construction pits for the headquarters of the technology company Continental.

3

Continental AG, Hannover

Visualisation of the company headquarters. A 71 metre long pedestrian bridge over Hans-Böckler-Allee connects the buildings.

2

Continental AG, Hannover

View of the southern construction site in Hanover. Two diaphragm wall grabs are in use.

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

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