



Ultramet, Lampertheim

Data and facts

Company	PORR Spezialtiefbau GmbH
Type	Foundations
Runtime	10.2023 - 02.2024
Principal	Powerlines Energy Germany GmbH

[Project report online](#)

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Pile foundations for the 380-kilovolt Ultranet power line

The construction of site roads and the logistics to and from the construction site repeatedly presented challenges for all project participants at the Lampertheim, Viernheim, Wallstadt and Mannheim sites. Space was limited and the ground lacked sufficient load-bearing capacity, making the heavy transport of drilling equipment from site to site a particularly demanding task.

André Schürmann, the branch manager, is extremely satisfied with how the project has gone: 'The Ultranet project is fully in line with our "Green and Lean" strategy.' One of the main areas of focus was on the surrounding soil, which could not be contaminated. Bio-oil was used in the hydraulic hoses to avoid contaminating the groundwater. In line with the Lean methodology, all workflows were discussed in detail with the team and flexibly adapted to the local conditions as needed. Close coordination with an external expert from the client Amprion and the trusting relationship with our client contributed to a timely and high-quality execution.'

Impressions

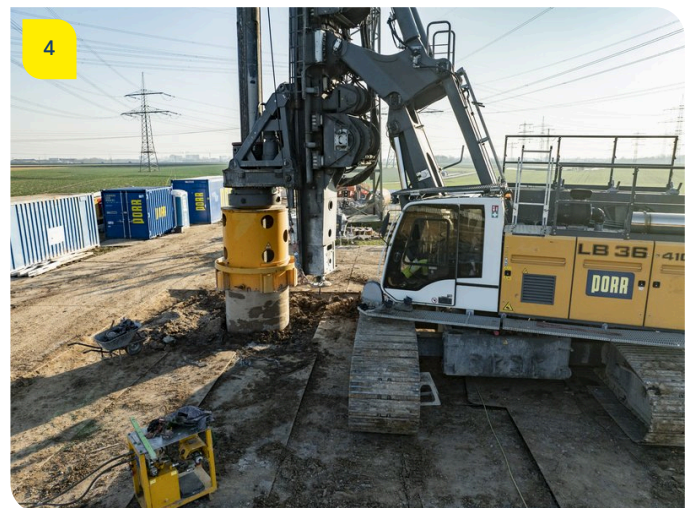
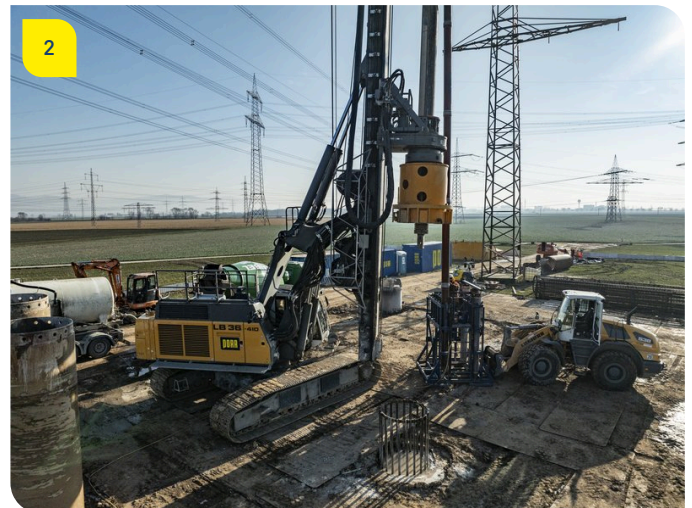


Image notes

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The new pylons, with an average height of 58 metres, will be erected as close as possible to the pylons of an existing 380 kV line running parallel to them.

3

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The main focus was on the surrounding soil, which must not be contaminated.

Branch manager André Schürmann is extremely satisfied with the progress of the project.

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For the deep foundations of 31 masts, the PORR specialised civil engineering team produced 124 large bored piles with a diameter of 1200 mm; 5 masts are founded on 20 large bored piles with a diameter of 1500 mm.

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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