PROJECT REPORT

Gersteinwerk power station, Werne

Data and facts

Company	PORR Spezialtiefbau GmbH
Type	Retrofitting foundations
Runtime	11.2021 - 01.2022
Principal	RWE Generation SE

Project report online

www.porr-group.com

Retrospective foundation works with micropiles

pile static measurements and planning and 3D collision testing for the project.

3D modelling prevents collisions

Retroactive foundation works on the new turbine deck required extreme precision in terms of both positional accuracy and the installation lengths of the piles. It was also important to avoid collisions with existing foundations and walls in the subsoil, or with power lines. To address these concerns, PORR's in-house team conducted 3D modelling prior to beginning foundation works. The rewards of precision planning: no existing piles were impacted, and all boreholes were able to be drilled according to plan.

The Werne site contributes to the energy transformation

Werne is also an important site for RWE. By the end of this year, the power plant site will be home to one of the most innovative battery storage systems in Germany, which will ensure network stability in the event of reduced power feed-in from renewable energy sources. With this and other features, the site in Werne is making an important contribution to the success of the energy transformation.

Impressions

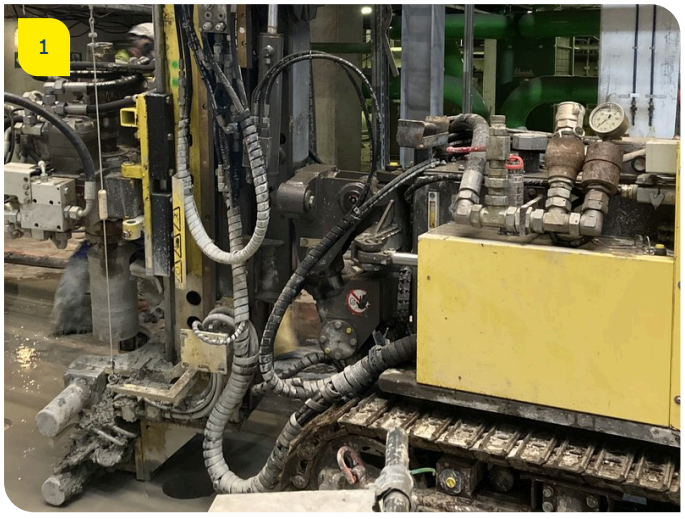

Image notes

1

With limited clearance – in some places just 2.05m of headroom – and generally restricted space conditions, this construction scheme presented significant logistical challenges for the team.

2

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Two machines were used, which had the advantage of an electric drive, meaning they could be safely used inside buildings without any issues with exhaust gas.

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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