



Mühlhausen-Bad Langensalza B 247

Data and facts

Company	PORR Spezialtiefbau GmbH
Type	Foundations
Runtime	07.2022 - 12.2024
Principal	Via Mühlhausen Thüringen GmbH & Co. KG (VMT), Deges GmbH

[Project report online](#)

www.porr-group.com



Pile foundations for seven bridge structures

A focus on meeting the client's safety needs

Foundation work is being carried out for two bridges spanning the Unstrut River and five railway bridges on the B247, a large section of which between Mühlhausen and Bad Langensalza is being re-routed. The client's safety needs are paramount – it was important for them to work with a company that has decades of experience in the design and manufacture of Franki piles for challenging bridge construction projects. The project involves a wide variety of difficult tasks: these range from the logistics and ensuring an optimal construction process to the numerous challenges posed by the geological conditions and the existing road and rail infrastructure.

The specialist foundation engineering team is responding to the challenges with years of experience and expertise, thus building on previous successfully completed projects and a strong working relationship with the client.

Frankipahl NG® piles minimise carbon emissions

A total of 242 Frankipahl NG® piles with a diameter of 61cm and 290 Frankipahl NG® piles with a diameter of 71cm, also known as mega piles, are being manufactured for the pile foundations of the bridge structures. Despite their small shaft diameter, mega piles can bear pile resistances of up to 12,000kN, depending on the subsoil. This makes them the perfect solution for bridge pile foundations, which require minimal settling. Their excellent load-bearing capacity, even under high vertical loads, means that foundations and abutments can be significantly reduced in size compared to other pile systems. This offers a double benefit: the reduced concrete consumption lowers costs while also making a substantial contribution to climate protection.

Impressions

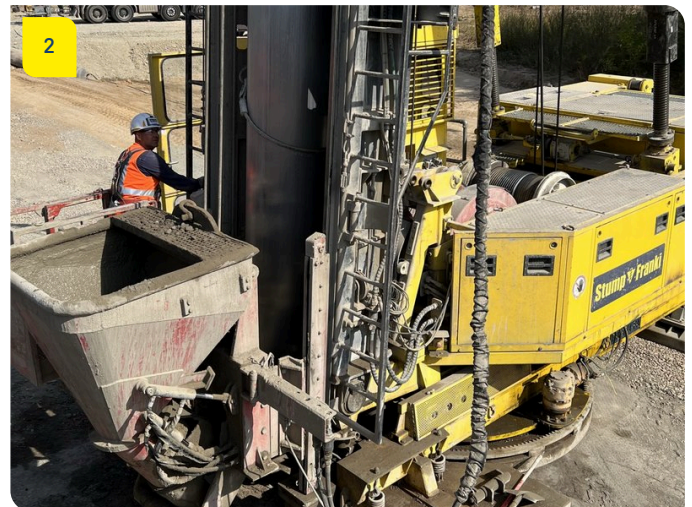


Image notes

1

B 247, Mühlhausen-Bad Langensalza

PORR Spezialtiefbau secured the contract for the pile foundation work for the bridge structures.

2

B 247, Mühlhausen-Bad Langensalza

Frankipile NG® piles, also known as Megapiles, are used for the pile foundations of the bridge structures.

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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