



Reconstruction of a double vault in Hamburg

Data and facts

Company	PORR Spezialtiefbau
Type	Rehabilitation, Retrofitting foundations
Runtime	08.2017 - 12.2017
Principal	Aug. Prien Bauunternehmung GmbH & Co. KG

[Project report online](#)

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The train rumbling above the heads.

The effort involved in producing pile lengths of up to 20.45 m was enormous, as the low working heights meant that drilled tubes and reinforcement cages could only be used with a length of 2 m at a time.

High demands were also placed on occupational safety. Since the DB overhead contact lines were in the direct loading area, the equipment used had to be earthed. During pile construction itself, working under the vault entailed a high risk of accidents due to the very limited space available. Parallel activities on the construction site, such as the client's reinforced concrete work, required special agreements between the teams. Due to the high demands on equipment and personnel, there are only a few companies in Germany that can produce large bored piles of limited height. PORR is one of them.

Impressions



Image notes

1

Reconstruction of a double vault in Hamburg

The work was carried out under extremely tight conditions.

2

Reconstruction of a double vault in Hamburg

Working in a confined space under the Deutsche Bahn railway tracks.

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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