



# Hamburg, HafenCity

## Data and facts

Company	PORR Spezialtiefbau GmbH
Type	Turnkey construction pits
Runtime	01.2019 - 12.2020
Principal	Garbe Immobilien-Projekte GmbH und BG Halbinsulaner

[Project report online](#)

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# Construction pit and pile foundation for the Creative Blocks project.

The construction site also contained the remains of another, old quay wall. The anchors were separated and more widely spaced around this old quay wall. The pile application points for the new quay wall were planned in such a way as to avoid impact on the anchors.

## Pile foundations with obstacles

Numerous obstacles impeded the execution of the pile foundations. The soil of the site contained brick walls from former buildings, reinforced concrete elements from the old quay wall and remnants of timber and reinforced concrete existing piles.

The structural work was handed over in October 2019. In spring 2020, the horizontal props were inserted and the remaining works carried out.

## Technical data / quantities

Number of piles	506 TVB piles 78 GBP (shoring)
Drilling depth	up to 24m
Pile diameter	61cm and 78cm
Pile load	up to 3,300kN (design)

## Impressions



## Image notes

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Internal bracing of the underground railway line.

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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