



Emscher pumping station, Oberhausen

Data and facts

Company

Type	Supply and disposal facilities
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Runtime	03.2018 - 08.2021
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Principal	Emscher-genossenschaft
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[Project report online](#)

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New pumping station as part of a sustainable master plan

Watch our video about the project in Vimeo:

- [PORR Germany . Emscher pumping station, Oberhausen](#)

PORR expertise under a single roof: for cost-effective and safe realisation

PORR unites a wide range of expertise under a single roof, and this was essential for realising the complex Emscher Conversion construction scheme. Digital tools are needed to ensure that a monumental project of this kind can be completed safely and cost-effectively: BIM was used for the documentation, reinforcement testing and approval, monitoring the concrete and documenting the fresh concrete tests. The Civil Engineering division also received planning support from its sister company pde Integrale Planung GmbH, which played a key role in schedule control and ensured that all contractual interim deadlines were met. Nor was the PORR Civil Engineering division the only one to be involved in the overall project: construction sections 20 and 40 of the Emscher wastewater canal – sections consisting of 2 parallel tunnel tubes – were realised by PORR Bau GmbH, PORR Civil Engineering and Tunnelling.

Commissioning of the Oberhausen pumping station marks the most important step in the Emscher Conversion project

The commissioning of the pumping station in Oberhausen represents the primary precondition for the cities of Dortmund, Castrop-Rauxel, Recklinghausen, Herne, Herten, Bochum, Gelsenkirchen, Gladbeck, Bottrop, Essen, Oberhausen, Duisburg and Dinslaken to be free of wastewater. For the Emscher River, this means that it will be free of its pollutant load for the first time in more than 170 years by the end of 2021. Now that the pumping station is active, all the remaining wastewater discharges into the Emscher can be progressively integrated into the underground sewer. In the future, clean river water and rainwater will flow freely in the Emscher, while the wastewater will be transported to the treatment plant via the underground sewers.

Impressions



Image notes

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The new pumping station in Oberhausen began operating on 20 August 2021.

As part of the Emscher conversion, the Emscher Genossenschaft commissioned PORR, structural engineering Berlin, with the sub-project BA 60.3 construction technology pumping station Oberhausen of the Emscher sewer.

Do you have questions about the project or would you like to learn more? Feel free to contact us for further information.

PORR AG Group Communications

Absberggasse 47

1100 Wien

T +43 50 626-0

E-Mail: comms@porr-group.com