



# Westfalen AG, Münster-Gelmer

## Data and facts

Company	PORR Hochbau West GmbH, PORR Verkehrswegebau GmbH
Type	Industrial construction, industrial area, Industrial construction
Runtime	04.2020 - 09.2021
Principal	Westfalen AG

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# Building construction and road construction go hand in hand

convenient transport. Verkehrswegebau road construction experts covered around 4,500m<sup>2</sup> of the site with a concrete surface featuring a high load-bearing capacity. Almost 50,000m<sup>2</sup> of the remaining factory areas were bituminised, with the exception of a few stone-paved sections. A total 20,000m<sup>3</sup> of anti-freeze sand from the nearby Ems renaturation project and 15,000m<sup>3</sup> of ballast substructure material were used in the appropriate layers across these areas. Utility line works had to allow for the construction of the 22t feeder gate structure, designed to divert contaminated quenching water and keep it out of the public canal network in the event of a disaster.

## Turnkey construction of seven individual buildings

The building construction team was responsible for the turnkey construction of a solid operational and social building and six additional production and industrial buildings, all featuring a steel construction with trapezoidal roof sheeting and IsoMetall panel façades, in addition to the necessary landfill (some 65,000m<sup>3</sup> of material). Floor slabs in some areas were required to be liquid-proof. As a specialist company certified in accordance with the German Federal Water Act (WHG), PORR worked with an appropriate expert to demonstrate that all appropriate measures were taken during construction. Structures had to be capable of withstanding the expected stress duration, and factors such as the choice of concrete used and the planning of complete liquid impermeability in all joins and passageways had to be considered.

## Impressions



## Image notes

1

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Building construction and transport route engineering work hand in hand.

2

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When awarding the contract, the client focussed in particular on construction services from a single source.

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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