

## Development and civil engineering measures - Contaminated site SAD Münchehagen

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### Characteristics:

- Sealing wall:  $l = 1,250 \text{ m}$
- Surface sealing:  $A = 94,000 \text{ m}^2$
- Driveways, operational area:  $A = 15,000 \text{ m}^2$
- Drink water and industrial water grid
- Capture, storage and discharge of rainwater
- Car wash facility with water supply and disposal
- Energy distribution, transformer plant and Lighting system



**Contaminated site SAD Münchehagen**

### Scope of Work:

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- Pre-design, design and detailed planning
- Tender procedure and procurement
- Construction site management, On-site construction site management

### Description:

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The former hazardous waste landfill Münchehagen had to be secured by the construction of a sealing wall and a surface seal.

Construction measures like extensive construction work for the development of an area of approximately 36 ha were required in advance. New infrastructure was realized at the entrance area to the landfill, which was required for a back-up procedure.

This included the construction of roads, factory and storage space, full fencing of the site and the construction of technical systems for rainwater capture and management. For the construction of the 30 m deep sealing wall ( $d = 0,80 \text{ m}$ ), extensive work was carried out in rock. The sealing wall was built in the 2-phase method using high-resistance sealing wall components. For the construction of the sealing surface, a floor of  $150,000 \text{ m}^3$  was constructed. With the completion of all construction work, the restoration and landscaping of all outdoor facilities was carried out.