



Masonry renovation "Michael" bastion on the Petersberg

Data and facts

Company	PORR Spezialtiefbau
Type	Rehabilitation
Runtime	07.2014 - 10.2014
Principal	Stadtverwaltung Erfurt

[Project report online](#)

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Static securing of a retaining wall using soil nailing

The two pieces of the wall that had broken out first had to be cleared in order to then permanently secure the pressing slope with the help of boreholes and grouted piles. Finally, both excavations were faced with natural stone masonry and filled by injection. The section of wall with the bulge was also secured with grouted piles to permanently prevent further excavation. Concrete pockets were cut out so that the piles were no longer visible at the end. The same procedure, only with a larger drilling diameter, was used for the support pillars. Here too, the cavities behind the wall were filled by injection. In addition, the neighbouring masonry and the masonry crown in this area had become unstable due to partially broken joints. These allowed water to penetrate and the stones to weather or loosen.

Impressions



Image notes

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Masonry renovation of the "Michael" bastion on the Petersburg

The renovated retaining wall.

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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