PROJECT REPORT



Utilities reallocation for the new underground parking garage in Neuer Markt

Data and facts

Company	WIBEBA – Wiener Betriebs- und Baugesellschaft mbH
Type	Urban civil engineering
Runtime	01.2019 - 12.2021
Principal	Neuer Markt Garagenerrichtungs- und Betriebs GmbH

Project report online

www.wibeba.at

WIBEBA

Large-scale utilities reallocation in the centre of Vienna.

Rocky outcrops interrupted the progress of the sewer trenches, and these had to be chiselled away with great care. A bypass was constructed to enable the sewerage system to continue operating without interruption. As soon as the entire new sewer construction was laid and complete, including newly constructed cleaning shafts, we were able to connect the new sewers to the old system.

A difficult environment.

The immediate area around the construction site also presented a great challenge. Uninterrupted access to neighbouring shops and businesses had to be ensured throughout the entire construction phase. The WIBEBA team worked together with the police to establish a traffic management system for cars and pedestrians. Owing to the long time frame of the project, this traffic management plan required the demolition of traffic islands around the construction site and the installation of new traffic signage and road markings.

Successful collaboration.

In addition to the challenging surroundings and complex conditions faced by the team, it was essential to optimally coordinate individual works with each utility to avoid collisions. Temporary adjustments were frequently required when the team of archaeologists encountered historic artefacts such as wall sections, broken fragments or even skeletons. Short-term adjustments to plans and considerable flexibility were required to compensate for the resulting downtimes.

We relocated a total of eight district heating shafts and 14 sewer shafts, and demolished and recycled 300m^3 of asphalt and almost 400m^3 of concrete. Some 4,400m^3 of material was excavated from the individual trenches and shafts. Our works on the project are still not completely finished. Once PORR has completed the construction of the underground parking garage, we will be able to finalise the utility installations.

Impressions

1



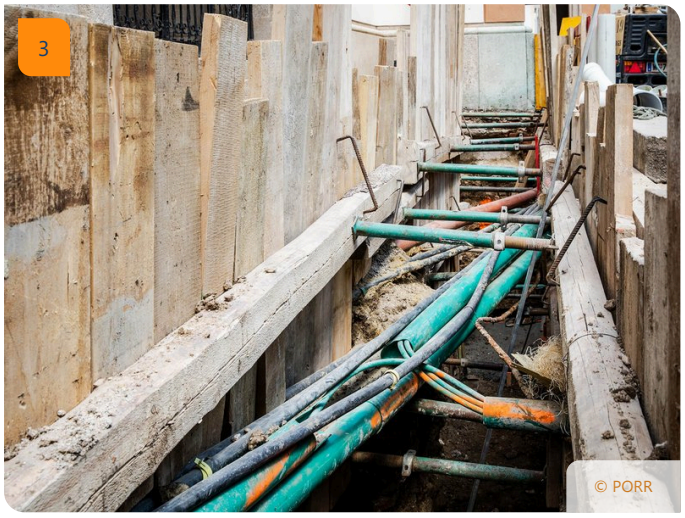
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Image notes

1

A complex construction scheme.

Our team designed a traffic routing plan that required the demolition of traffic islands and the construction of permanent traffic signposts and road markings.

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2

Well safeguarded.

Over 1,000m of temporary fencing was used on the construction site.

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3

Comprehensive changes.

During the construction works, we installed more than 5,300m2 of shoring and constructed eight district heating and 14 sewer shafts.

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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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