



Press Release

HERRENKNECHT

Herrenknecht presents tunnel boring machine for Vienna

January 31, 2024

Schwanau, Germany

Vienna is investing in the expansion of its public transportation system and is building a new subway section. Herrenknecht is supplying a tunnel boring machine for tunnel construction under the city center. The machine was presented to the customer and client yesterday, January 30, 2024, in Schwanau.

_____ On behalf of Wiener Linien, the operator of the Vienna subway, a joint venture between STRABAG and PORR is building the extension of subway line 2 from Vienna City Hall to the south. The Austrian tunnel construction specialists ordered an EPB Shield (Earth Pressure Balance Shield) tunnel boring machine from Herrenknecht for this project. Ralph Lickert, Project Manager at Herrenknecht, emphasizes: "The Herrenknecht EPB Shield is the optimal machine type for the predominantly clayey geology that we expect according to the preliminary investigations."

The Herrenknecht EPB Shield for the Austrian capital has a diameter of 6,840 millimetres, a length of around 120 meters and weighs a total of around 1,200 tons. The drive will start at the future Matzleinsdorfer Platz station, from where the machine will drive 2.1 kilometers of tunnel northwards to below Augustinplatz. The machine will then be pulled back through the bored tunnel, which is lined with precast concrete segments, in order to drive the parallel tube from Matzleinsdorfer Platz.

With the expansion of the metro network, the city of Vienna is responding to a rising population. More than two million people are expected to live in the capital by 2030. According to the city, the investment in the line extensions will create and secure around 30,000 jobs.

Construction companies worldwide have already bored over 3,000 kilometers of tunnels for high-performance metro systems in more than 1,300 projects using Herrenknecht's mechanized tunnelling technology. Current flagship projects include

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the major Grand Paris Express and Sydney Metro projects with 22 and 15 Herrenknecht machines respectively.

PROJECT DATA VIENNA METRO LINE 2

- › Client: Wiener Linien
- › Contractors: Arge U2 17-21 Strabag AG Porr Bau GmbH
- › Application: Metro
- › Drive length: 2 x 2,100m

MACHINE DATA

- › Machine type: EPB Shield
 - › Diameter: 6,840mm
 - › Cutterhead drive power: 1,920kW
 - › Torque (max.): 15,028kNm
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Photos



Photo 1

The Herrenknecht EPB Shield for the extension of the subway line 2 in Vienna will excavate two 2.1 kilometer tunnels to increase the efficiency of public transport in the Austrian capital.



Photo 2

The Herrenknecht team presents the tunnel boring machine to representatives of Wiener Linien, the client, and the construction consortium of STRABAG and PORR.

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For further information: Please contact us.

Herrenknecht AG

Herrenknecht AG is the only company worldwide to deliver tunnel boring machines for all geologies and in all diameters – ranging from 0.10 to 19 meters. The product range comprises tailor-made machines for traffic, supply and disposal tunnels, technologies for pipeline installation as well as additional equipment and service packages. Herrenknecht also manufactures drilling equipment for vertical and inclined shafts as well as deep drilling rigs.

In 2022 the Herrenknecht Group achieved total output of 1,232 million euros. The independent family business employs about 5,000 people worldwide, including approximately 200 apprentices and trainees. With around 70 domestic and overseas subsidiaries and associated companies working in related fields, Herrenknecht provides comprehensive, fast and targeted services close to each project and contractor.

› <http://www.herrenknecht.com/en/references>

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