



Press Release

HERRENKNECHT Breakthrough for Florence

February 27, 2024

Schwanau, Germany

On February 27, 2024, the first of two Herrenknecht Tunnel Boring Machines – christened "Florence" – successfully reached the end of its 16km drive under the Chiltern Hills as part of High Speed 2 Phase 1 in the UK, which will connect London and Birmingham. The TBM is being operated by Align, a joint venture that includes Bouygues Travaux Publics, Sir Robert McAlpine and Volker Fitzpatrick. Herrenknecht is supplying a total of twelve machines for the underground sections of High Speed 2. Dr.-Ing. E.h. Martin Herrenknecht, founder and CEO of Herrenknecht AG, congratulates the miners and those responsible at the contractor Align JV: "The tunnelling and now the breakthrough at the Chiltern Tunnel are an excellent team effort by all those involved. Chapeau to this breakthrough!"

PROJECT DATA HIGH SPEED 2 – CHILTERN TUNNEL

- › Client: High Speed Two Ltd.
- › Contractors: Align JV (Bouygues Travaux Publics, Sir Robert McAlpine, VolkerFitzpatrick)
- › Application: Railway
- › Drive length: 2 x 16,046m
- › Geology: Chalk

MACHINE DATA

- › Machine type: 2 x Variable Density TBM
- › Diameter: 10,240mm
- › Cutterhead drive power: 3,500kW
- › Torque (max.): 16.350kNm

Herrenknecht AG
Schlehenweg 2
77963 Schwanau

Corporate Communications
Tel. +49 7824 302-6065
pr@herrenknecht.de

www.herrenknecht.com

Photos



Photo 1

The Tunnel Boring Machine "Florence" for the Chiltern Tunnel at the Herrenknecht workshop in Schwanau, Germany

© Herrenknecht AG



Photo 2

The breakthrough of the Herrenknecht Tunnel Boring Machine "Florence" on February 27, 2024 after 16 kilometers of tunnelling for the High Speed 2 Phase 1 railroad project in Great Britain

© High Speed Two Ltd.

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.

Herrenknecht AG
Schlehenweg 2
77963 Schwanau

Corporate Communications
Tel. +49 7824 302-6065
pr@herrenknecht.de

www.herrenknecht.com



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

Your contact:

Anja Heckendorf

Head of Corporate Communications

Phone +49 (0) 7824 302-6065

Fax +49 (0) 7824 302-4730

pr@herrenknecht.de

Herrenknecht AG
Schlehenweg 2
77963 Schwanau

Corporate Communications
Tel. +49 7824 302-6065
pr@herrenknecht.de

www.herrenknecht.com