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pressrelease

Schenkendorfbridge - Munich

This imposing construction is a genuine Munich landmark - With a unique construction of inclined ropes, Germany's first bridge that is a combined tramway, pedestrian- and bicycle way has been opened.

Munich - Maurer Söhne. Maurer Söhne GmbH & Co. KG, the Munich traditional steel company located at Frankfurter Ring built this bridge - at a length of 84m and drawn over a 35 m high pilon across the Schenkendorfstraße it is a technical and architectural highlight in the Munich's Northeast !

„Our decisive advantage compared with the competition was long-term sustainability through short transportation distances and our know how in the field of steel bridge construction“, so Project Manager Peter Wochnik at contract assignment in August 2007 by Baureferat Munich and Stadtwerke München GmbH, as common awarding authority.

The technical challenge was the erection and spanning of the bridge over the Mittlerer Ring with its heavy traffic and the glass enclosure of the Petuertunnel.

Both of the extremely slender bridge components, weighing 540 t each, were erected and welded on a supporting scaffold. During one weekend the 69 t mast as well as the 100 mm strong, fully locked ropes were mounted and the bridge was lifted from the scaffold. The ropes have a breaking load of 1100 t, that means that a single rope can carry the double weight of the entire bridge.

Narrow tolerances were required: the peak of the mast was erected in the range of preciseness under one centimeter requiring the individual bridge components to undergo rigorous quality checks already during manufacturing at the factory at Frankfurter Ring.



Grafik: Rakete GmbH, München

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