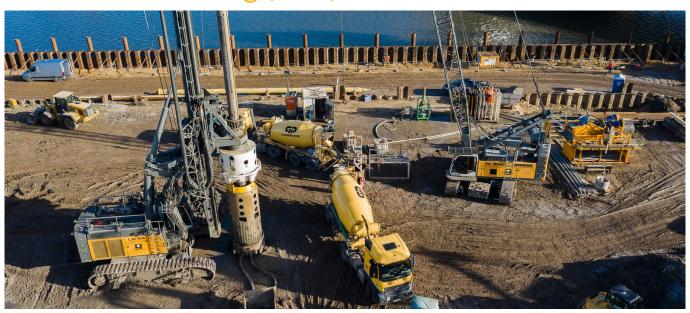


# **Elbtower Hamburg (ETH)**



### **SHORT DESCRIPTION**

The Elbtower Hamburg excavation and foundation consortium was awarded the contract for the construction of the excavation for three basement levels and the deep foundation of the Elbtower in Hamburg, a 245-meter-high, architecturally sophisticated building on the eastern edge of the Elbbrücken district near HafenCity.

#### **THE PROJECT**

For the construction pit lining, 18,000 m<sup>2</sup> of cut-off walls with an inserted sheet pile wall and 4,700 m<sup>2</sup> of slurry wall and its multi-layer back anchoring are being constructed on an area of around 21,000 m<sup>2</sup>. In the Oberhafen Canal, a back-anchored, pressed-in sheet pile wall with dolphins secures the dismantling of the old quay wall.

The 245-meter high-rise is founded on 63 large-diameter piles with a diameter of 200 cm and a length of 75 m. Since the working level is at ground level, the average drilling depth is 83.2 m per pile. The piles are installed using a partial casing with suspension support. For the other building sections, around 1600 partial displacement piles and 140 micropiles will be sunk.

Further services include the installation of 340 semi-permanent anchors, some of which are up to 41 m long Multibond anchors, 130,000 m³ of soil excavation and disposal, demolition of an old quay wall, construction of 18,000 m² of subbase layer, water drainage.

#### **FACTS**

Location	Zweibrückenstraße 13b, Hamburg , Germany
Status	completed

Construction volume (value of our services)	45.81 M EUR
Start of construction	January 2021
Completion	March 2024

## **SERVICES**

**Special Foundations** 



https://implenia.com/en/references/detail/ref/elbtower-hamburg-eth/

Creation: 01.12.2025 05:30