

# TRM PILING SYSTEMS FACTSHEET

Flood protection barrier



## Flood protection Schärding, Austria

- + Approx. 500 pcs. ductile driven piles with a total meterage of 7,000 metres
- + TRM 170/13.0 and TRM 118/7.5
- + System: end bearing piles, non-grouted, up to 50° raked
- + Total piling project period: 17 months

**Fast. Simple. Safe.**  
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## The Initial Situation

The baroque town of Schärding is repeatedly hit by floods, which causes enormous economic damage. The flood heights are up to **six metres**. In order to cope with this, the construction of a permanent flood protection system began in 2020. Construction work on the „Schärding-Neustift

flood protection“ site progressed rapidly. The major construction site lasted about **17 months** and was completed by the end of 2021. The area of Neustift from Passauerstraße to Prambrücke as well as the area of Hans-Carossa-Straße and Klingmühle are now **protected against flood events**.



On 2 and 3 June 2013, an 80-year flood event of 6,300 m<sup>3</sup>/s occurred, flooding most of the city and causing enormous damage.

Due to the already well-known **reliability**, **high production output** and **technical expertise**, the civil engineering specialist Porr Grundbau opted for the TRM Piling System.



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## The Piled Foundation

For the Piled Foundation, **non-grouted ductile driven piles** of the type TRM 170/13.0 and TRM 118/7.5 were used. These were driven up to **13 metres** as non-grouted end bearing piles down to the load-bearing subsoil. Approximately 7,000 metres of ductile driven piles were installed. A flat pile shoe served as the base. In addition to

the high-quality driven Ductile Driven Pile from the Tyrolean company, the local production and the associated **small CO2 footprint** were the main reasons for the order.

The project not only provides 100-year flood protection for the population and companies, but also infrastructural improvements.



Installed piles are tied into the flood protection concrete foundation



Completed Flood Protection Barrier



Inclined piles counteract the horizontal forces

**Do you have any questions?** Our experts will be happy to advise you.

