

# TRM PILING SYSTEMS FACTSHEET

Special application



## Construction of a boat jetty, St. Jernej Kanal

- + 900 pcs. ductile driven piles with a total meterage of ~5,760 metres
- + Pile type TRM 170 in wall thickness 10.6 with non-grouted flat pile shoe
- + Foundation depths up to 20 m
- + Special requirements: soft canal bed with deep-seated load-bearing soil layers
- + Construction time: 8 months

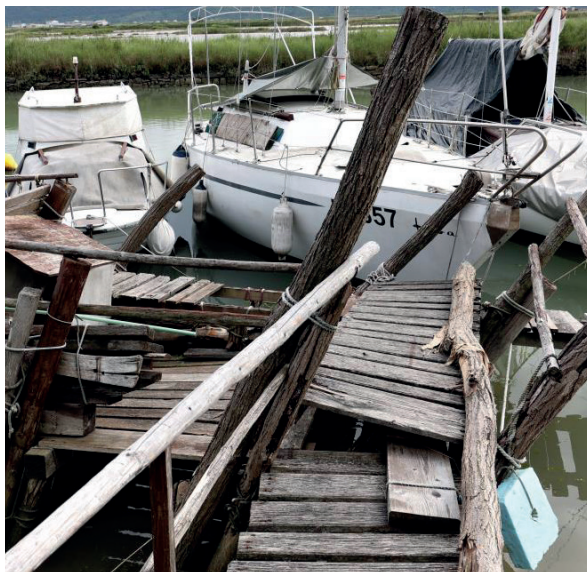
**Fast. Simple. Safe.**

[www.trm.at](http://www.trm.at)

## The Initial Situation

The municipality of **Piran in Slovenia** is known for its **long pier** and **Venetian architecture**. In order to preserve the reputation of its cultural heritage, it was important to clean up and renovate the **St. Jernej Canal**, which is located in nearby Seča. This was already in danger of

complete decay due to **lack of management and neglect**. In order to revitalise the canal, the municipality of Piran and Javno podjetje OKOLJE Piran, d.o.o., financed this **project to build a ~900 m long wooden jetty with boat access and landing places**.

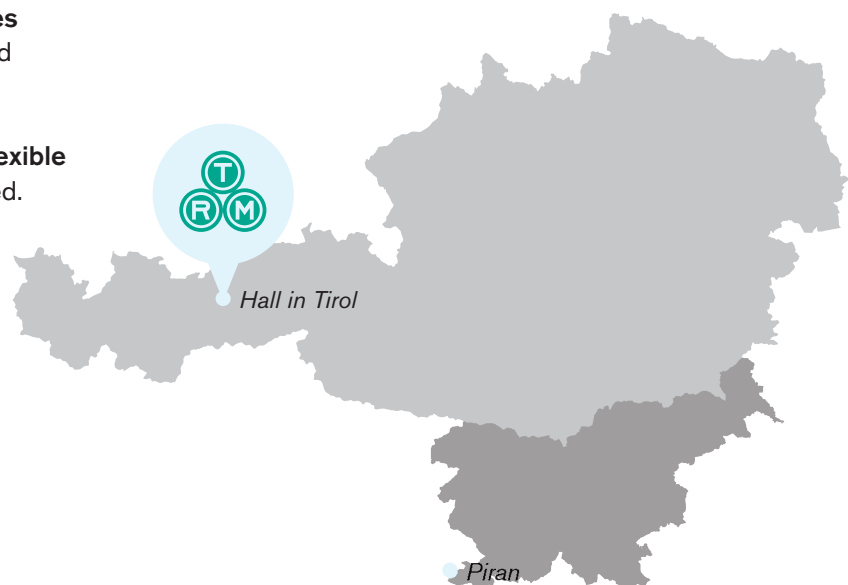


Neglected jetty



Foreground: Old jetty

In the beginning, **boreholes and pile tests** were carried out by SLP d.o.o. Due to the **different levels of the load-bearing layer**, the **flexible TRM pile system** was used.



# Factsheet **Special application**

## Deep foundation

For the **implementation** of the new boat jetty with a landing place, a **pile system** was needed that is able to **penetrate the soft canal bed and reach the load-bearing soil underneath**.

For this reason, the planners IZVO-R d.o.o. and SLP d.o.o. decided to **cooperate with TRM and their ductile iron pile system**.

Altogether ~913 TRM piles of type TRM 170/10.6 were installed, corresponding

to a total meterage of ~5,790m. The contractor, Adriaing d.o.o. Koper, **was able to install the piles easily**, using a small team and a barge, on which an excavator and the stored piles were located. With an **average production rate up to 20 piles per day**, the installation process was efficient. Despite the tight schedule, all work was completed on time.



Finished timber pier on ductile iron piles



Piles for the jetty



Installation of the piles with excavator

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

