

Augustaburg tunnel, Erfurt

The Project:

Construction of a railway tunnel with a length of 1480 m.

Executing companies:

ARGE Tunnel Augustaburg, Erfurt
Hochtief Construction AG, Frankfurt
Alpine Bau Deutschland GmbH

The Problem:

Drainage during the underground tunnel heading.

Our Solution:

A Use of type KTZ32.2 submersible pumps operated in 24-hour snore mode for drainage purposes during the tunnel heading. Thanks to their special properties including their internal rotating mechanical seal and upstream shaft protection sleeve with seal, the Tsurumi pumps can be operated in 24-hour snore mode.

The advantages of this design are:

Extended service lives
Lower costs for spare parts
Lower labour costs



Specifikacije KTZ: <https://www.tsurumi.eu/sh-ME/ktz>

In the event of abrasive and corrosive utilization, stronger wear and tear will take place naturally in certain components. With regards to the above application wear and tear can take place mainly in impeller, agitator, suction plate, shaft sleeve, oil ring, mechanical seal, pump casing, strainer, motor casing and discharge coupling. Depending on the working conditions the lifetime of those parts might vary significantly and can be shorter than the legal warranty period.

In this regard, please pay attention to our [general terms and conditions](#) that we also send to you by mail on request.

