

Burglengen Cement Plant, Germany

The project:

Breakdown of calcareous sandstone in the quarry to obtain cement

Performing company:

HeidelbergCement AG, Burglengenfeld

Project lead at Tsurumi:

Mr. Christian Kulik (External Sales Force Bavaria)

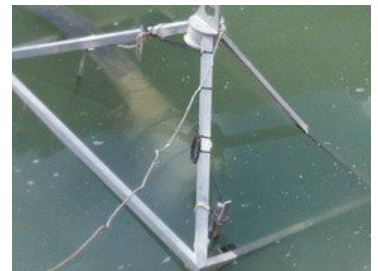
The problem:

Deepening the Burglengenfeld quarry.

Continual transport of groundwater and artesian water. The water to be transported contains sand and is very abrasive.

The solution:

Use of KRS822 model pumps with 22kW motor power in the open drainage, equipped with a level control using electrodes. The KRS series is an energy-saving low-speed pump with a 4-pole motor. The speed of rotation is only half that of pumps with 2-pole motors, that is, wear is significantly reduced.



Specifications KRS: <https://www.tsurumi.eu/en-LV/krs>

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.

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