

Pumping Station Prushany

Application market	Wastewater
Market segment	Wastewater collection
Pumped medium	Raw wastewater
Pump product	Immersible, horizontal on base plate
Country	Belarus



Challenge

In the tender for the renewal of an existing plant in the city of Prushany, high demands were placed on the reliability of the pump for pumping raw wastewater with a high solids content. In addition, the existing energy saving potential should be achieved as far as possible. A high degree of protection against flooding must be ensured in the dry pump room.

Solution

Installation of a non-clogging Screw Centrifugal Immersible Pump with large free passage and a high overall efficiency. The pump is installed horizontally on a base plate in the dry pump room.

Benefits

The main requirements of the customer could all be fulfilled satisfactorily: Ensuring reliable and non-clogging operation, high safety against flooding and also a significant reduction in overall energy consumption.

- Safe against flooding with the use of an Immersible pump
- Non-clogging pump operation
- Reduction of the overall energy consumption

Quantity of units sold	1
Pump type	H05K-S03R + HE090X4
Motor data	75 kW / 4 pole / 50 Hz / Immersible
Material combination	Stainless steel impeller and Hidrohard wear parts
Duty point	Flow : 149 litres per second / Head : 35.7 meters
In operation since	2007