

## Pumping Station Wloclawek

Application market	Wastewater	
Market segment	Wastewater Collection Wastewater Treatment	
Pumped medium	Raw, unscreened wastewater	
Pump product	Bearing Frame	
Country	Poland	

### Challenge

A major modernization of the main pumping station in the city of Wloclawek was planned. Wastewater from all over the city flows into this pumping station, from where it is pumped directly to Wloclawek's wastewater treatment plant. Pumping the raw, untreated wastewater with a high fiber and solids content, with as little maintenance as possible was one of the main requirements of the customer.

### Solution

Installation of four non-clogging Hidrostat Bearing Frame Screw Centrifugal pumps with large free passage. The pumps are installed horizontally on base plate in the dry pump chamber.

### Benefits

The main requirements of the customer could be fulfilled satisfactorily: Ensuring reliable, non-clogging and as maintenance-free operation as possible.

→ Trouble-free, non-clogging pump operation

Quantity of units sold	4
Pump type	H12K-HD3R + HGM1X-X280
Motor data	90 kW / 1485 rpm / 50 Hz / IEC frame size 280
Material combination	Stainless steel impeller with Hidrohard wear parts
Duty point	Flow : 300 litres per second / Head : 23 meters
In operation since	2011