

Haapaniemi Pumping Station Kuopio

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



Challenge

In 2009, another manufacturer's pump had to be replaced in Kuopio City's largest pumping station. Due to the unsuitable design for the task and due to long operating times, the existing pump clogged up at least once a week. The motor with impeller had to be lifted up from pump casing at each blockage in order to remove textiles and dirt from the impeller.

Solution

The duty is now performed with a Hidrostat Screw Centrifugal Pump with a large, free ball passage. Since then, the pump has been running virtually around the clock without blockages or other problems.

Benefits

The end user was so satisfied with the Hidrostat Screw Centrifugal Pump that he already bought two more and similar pumps. One of these two pumps was installed in Kuopio's second largest pumping station.

- trouble-free operation because no more pump clogging and blockages, therefore
- high customer satisfaction and
- a certain degree of customer loyalty was achieved as a result

Quantity of units sold	3
Pump type	F10K-SMN2R
Motor data	42 kW
Material combination	Nodular iron impeller with Hidrohard wear parts
Duty point	Flow : 70 – 200 litres per second
In operation since	2012