

Mylypohja Pumping Station Lahti

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



Challenge

The redesign of one from Lahti's largest pumping stations presented various challenges. Based on a competitor's previously installed pump, a large potential for energy savings and higher system availability could be identified.

Solution

Installation of three Bearing Frame Screw Centrifugal pumps with large free passage. The pumps are operated with frequency converters to regulate the flow rate in accordance with the actual requirements.

Benefits

Improved pump performance with large energy savings in total energy consumption and higher reliability of the entire pumping station:

- Trouble-free operation because no more pump clogging and blockages
- Among other things, but mainly due to speed-controlled flow rate regulation, significant reduction of the overall energy consumption

Quantity of units sold	3
Pump type	F06G-EMN2R with Bearing Frame
Motor data	37 kW, frame surface cooling, efficiency class IE3
Material combination	Nodular iron impeller with Hidrohard wear parts
Duty point	Flow : 40 – 125 litres per second
In operation since	2013