

Pumping Station Neusoernewitz 2

Application market	Wastewater
Market segment	Wastewater Collection
Pumped medium	Raw, unscreened waste water
Pump product	Bearing Frame
Country	Germany



Challenge

AZV GKA Meissen. Tendering of storm water pumps with unchanged capacity for a revision in the pumping station Neusoernewitz. Replacement of existing pumps with belt drive from 1995.

Solution

Installation of a Screw Centrifugal Pumps with the same capacity, large impeller free passage and high efficiency. Use of the Bearing Frame design direct coupled with flexible shaft coupling.

Benefits

Low assembly and maintenance costs due to the, compared to belt drive, service-friendly design of the Bearing Frame type used. Energy savings due to higher pump efficiency compared to a competitor's product previously used, elimination of belt drive and motors in the current, higher energy efficiency class.

Quantity of units sold	1
Pump type	I16K-SS2R + IHM1X-X315
Motor data	75 kW / 8 pole / 50 Hz / IP 55 / IEC frame size 315
Material combination	Nodular iron impeller and Hidrohard wear parts
Duty point	Flow : 480 litres per second / Head : 8.5 meters
In operation since	2014