

## Pumping Station Neusoernewitz 1

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



### Challenge

AZV GKA Meissen. Tendering of 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	F10K-HD3R+FGM1X-G225
Motor data	37 kW / 4 pole / 50 Hz / IP 55 / IEC frame size 225
Material combination	Stainless steel impeller and Hidrohard wear parts
Duty point	Flow : 220 litres per second / Head : 8.6 meters
In operation since	2013