

Retrofit Pumping Station Bad Steben

Application market	Construction
Market segment	Canal & Well Renovation
Pumped medium	Wastewater
Pump product	Immersible
Country	Germany



Challenge

Existing basins and pump installations at the "Bad Steben" sewage treatment plant were to be rebuilt and partially dismantled. In addition, the old pumping station was to be extended and a new stormwater overflow tank built. To bridge individual process stages during the construction phase, temporary, clever, and simple bypass solutions were required to feed the incoming wastewater.

Solution

With two **Hidrostat Screw Centrifugal Immersible Pumps**, installed in the wet well, a simple but safe system could be provided in a short period of time. The common pressure line with a nominal diameter of 200 millimetres ran over a total length of 80 meters. Comprehensive remote monitoring for monitoring and controlling the system completed the installation, and the two pumps were automatically switched on in stages to regulate the volume of the incoming wastewater.

Benefits

Thanks to redundant and automatic operation with two pumps, safe operation of the temporary facility was always guaranteed. The considerable total delivery head was also easily achieved with just one pump stage.

- Simple bypass solution and redundant operation with two pumps connected in parallel.
- Reliable and blockage-free operation thanks to the large free passage.

Quantity of units sold	2 pieces
Pump type	F06K-H03R + FEWS4
Motor data	30 kW / 1'500 rpm
Material combination	Cast iron pump body, Hidrohard wear parts and stainless-steel impeller
Duty point	Flow : 70 litres per second / Head : 26 meter
In operation since	from April to June 2022 (rental period)