

Mobile Pump Mühlhausen

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



Challenge

A new power station was to be built at the main sewage treatment plant "Stuttgart Mühlhausen". Part of the temporary construction measures involved rerouting the rainwater overflow channel, which required a pump solution that was as simple yet reliable as possible, including the necessary transport line.

Solution

With a total of three **SuperBetsy** mobile pump units with diesel drive and integrated Hidrostat Screw Centrifugal Pump, a temporary pump solution was provided that was precisely tailored to the needs and requirements of the task. A type D 150-EH unit provided the basic load, while two further type D 300-FHD units could be switched on in stages depending on the volume of water arriving. The provisional arrangement included the entire necessary piping system made of steel pipes with a nominal diameter of 400 millimetres and a total length of 80 meters. A flow rate measurement system was also set up to monitor the temporary system.

Benefits

The **SuperBetsy** mobile pump unit (**IPS**), which can be used extremely flexibly and independently, enables reliable and energy-efficient pump operation, especially for temporary pumping tasks such as renovation work in pumping stations and sewage treatment plants.

- Complete, robust, and reliable solution for pumping tasks from a single source
- High flexibility in the construction of temporary wastewater transport systems

Quantity of units sold	3 pieces mobile Pumps SuperBetsy Type IPS D (Diesel drive)
Pump type	1 pcs. D 150-EH with Screw Centrifugal Pump E125-H03R 2 pcs. D 300-FHD with Screw Centrifugal Pump F10K-HD
Motor data	D 150-EH – max. 43.7 kW / 1'900 rpm D 300-FHD – max. 55.4 kW / 1'720 rpm
Material combination	Cast iron pump body, Hidrohard wear parts and stainless-steel impeller (Pump)
Duty point	150-EH – Flow : max. 111 litres per second / Head : max. 36 meters 300-FHD – Flow : max. 310 litres per second / Head : max. 33 meters
In operation since	from September 2021 to January 2022 (rental period)