


## Mobile Pump Göttingen

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

### Challenge

For the renovation of the old and partially damaged sewer in Göttingen "Schützenanger", a suitable and reliable system was required for the temporary transportation of the incoming wastewater.

### Solution

With a total of three extremely flexible SuperBetsy mobile pump units with diesel drive and integrated Hidrostaal screw centrifugal pump, the necessary temporary solution was quickly provided. The base load was managed with one unit type D 150-EH, the peak loads with two units type D 300-FHD. A complex piping system with a nominal diameter of 400 mm and a total length of 150 meters was created for the temporary transport line. Among other things, a pipe bridge construction had to be built to cross the four-lane "Maschmühlenweg" intersection.

### Benefits

Thanks to the large free ball passage and the resulting almost blockage-free Hidrostaal screw centrifugal pump, the task could be solved satisfactorily without additional measures. The high level of efficiency enables energy-efficient and therefore cost-effective operation for temporary pumping tasks, as in this case. Noise emissions are reduced to an extremely low level thanks to the excellently soundproofed housing.

- High operational reliability thanks to the virtually blockage-free pump
- High flexibility in the construction of temporary wastewater transport systems
- Complete solution for the temporary pump from a single source

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 to October 2020 (rental period)