

Mobile Pump Zella-Mehlis

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



Challenge

What began in 2021 with a burst water pipe on Mühlstraße in the village of Zella-Mehlis, subsequently led to the collapse of the adjacent sewage drain. The disaster grew into a major construction site and required the rapid provision of a suitable, temporary emergency solution for transporting the incoming wastewater.

Solution

A total of three **SuperBetsy** mobile pump units with an integrated Screw Centrifugal Pump, including the required transport line, were provided in a short period of time to temporarily pump the raw sewage. One unit type E 150-EHMN with electric drive for the basic load, depending on the incoming water volume, two further units type D 150-EH and D 200-ESL, both with diesel drive, were switched on in stages. The emergency solution was completed with a suitable pipe system with a nominal diameter of 200 millimeters and a total length of around 100 meters, laid with a steep gradient to suit the terrain.

Benefits

Thanks to the great flexibility of the **SuperBetsy** mobile pump units, a suitable emergency solution was quickly provided for the repair of the sewage drain.

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| Quantity of units sold | 1 pcs. mobile Pumps SuperBetsy Type IPS E (Electric drive) 2 pcs. mobile Pumps SuperBetsy Type IPS D (Diesel drive) |
| Pump type | 1 pcs. E 150-EHMN with Screw Centrifugal Pump E06R-HMN3R 1 pcs. D 150-EH with Screw Centrifugal Pump E125-H03R 1 pcs. D 200-ESL with Screw Centrifugal Pump E08R-SLU3R |
| Motor data | E 150-EHMN – max. 30 kW / 1'500 rpm D 150-EH – max. 43.7 kW / 1'900 rpm D 200-ESL – max. 43.7 kW / 1'800 rpm |
| Material combination | Cast iron pump body, Hidrohard wear parts and stainless-steel impeller (Pump) |
| Duty point | E 150-EHMN – Flow : max. 133 litres per second / Head : max. 40.5 meters D 150-EH – Flow : max. 111 litres per second / Head : max. 36 meters D 200-ESL – Flow : max. 193 litres per second / Head : max. 28 meters |
| In operation since | from February to August 2021 (rental period) |