


Heber Water Transfer – Wesenberg

Application market	Construction	
Market segment	Canal & Well Renovation	
Pumped medium	River Water	
Pump product	Heber 2000	
Country	Germany	

Challenge

A temporary solution was necessary for the renovation of the "Wesenberg" weir and the associated decommissioning of the culvert that feeds the "Wesenberg" Chamber Canal below the lock. No mains power was available at the corresponding location. Only a low-power generator was available, which could be switched on manually twice a day for one hour at a time.

Solution

Installation of two parallel lines from the **Heber 2000** system, nominal diameter 1'000 millimetres, length 18 meters each. Thanks to integrated flow measurement and remote monitoring, it was possible to easily control and regulate the flow rate remotely via an electrically driven knife gate valve with a nominal diameter of 1'000 millimetres. Utilization of the reliable emergency running properties of the Heber 2000, which meant that the vacuum system and the electric gate valve could be supplied with sufficient power without any problems using the limited power supply available.

Benefits

No permanent power supply required, as with permanent inflow with constant water level differences in the **Heber 2000** in- and output, only a very low energy demand is needed. For comparison: Alternatively, 20 SuperBetsy IPS D 300-FHD units with correspondingly high fuel consumption would have been required for the same task.

- Significantly lower energy and space requirements and lower transportation costs than a pump solution with comparable performance

Quantity of units sold	2 pieces
Pump type	Heber 2000 – pipe diameter DN 1'000 mm, length 18 m
Motor data	not required
Material combination	Steel pipe system
Duty point	Flow : 2x 3'000 litres per second / Difference in water levels : 2.1 meter
In operation since	from February to May 2022 (rental period)