

## Retrofit Sewage Drain Göttingen

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

### Challenge

During sewer and manhole renovation work in one of the collection basins "Göttingen, Marienstrasse", the wastewater had to be temporarily fed directly to the nearest sewage treatment plant. Access to the collection basin is extremely limited, so a pump installation directly into the basin was out of question and a suitable alternative solution had to be found.

### Solution

With the installation of two **Hidrostat Screw Centrifugal Immersible Pumps** with internal cooling installed dry above ground, a vacuum system upstream of the pumps to overcome the suction head into the basin and containers with two frequency converters for the required 45 kW per pump, including control and remote monitoring, a bypass solution optimally tailored to the customer's requirements was quickly provided. The required discharge line with a nominal diameter of 300 millimeters and a total length of 180 meters, designed as a pipe bridge over a length of 120 meters completed the system.

### Benefits

A freely configurable modular system with pump, piping, control, and monitoring enables the quick and easy provision of customized, temporary conveying tasks.

- Complete, robust and reliable solution for the conveying task from a single source.
- High flexibility in the construction of temporary wastewater transport systems.
- Maximum operational reliability thanks to the virtually clog free pump.

Quantity of units sold	2 pieces
Pump type	F10K-HD1 + FE030X4
Motor data	30 kW / 4-pole
Material combination	Cast iron pump body and wear parts with ductile iron impeller
Duty point	Flow : 200 litres per second / Head : 6 meter
In operation since	from September to October 2022 (rental period)