

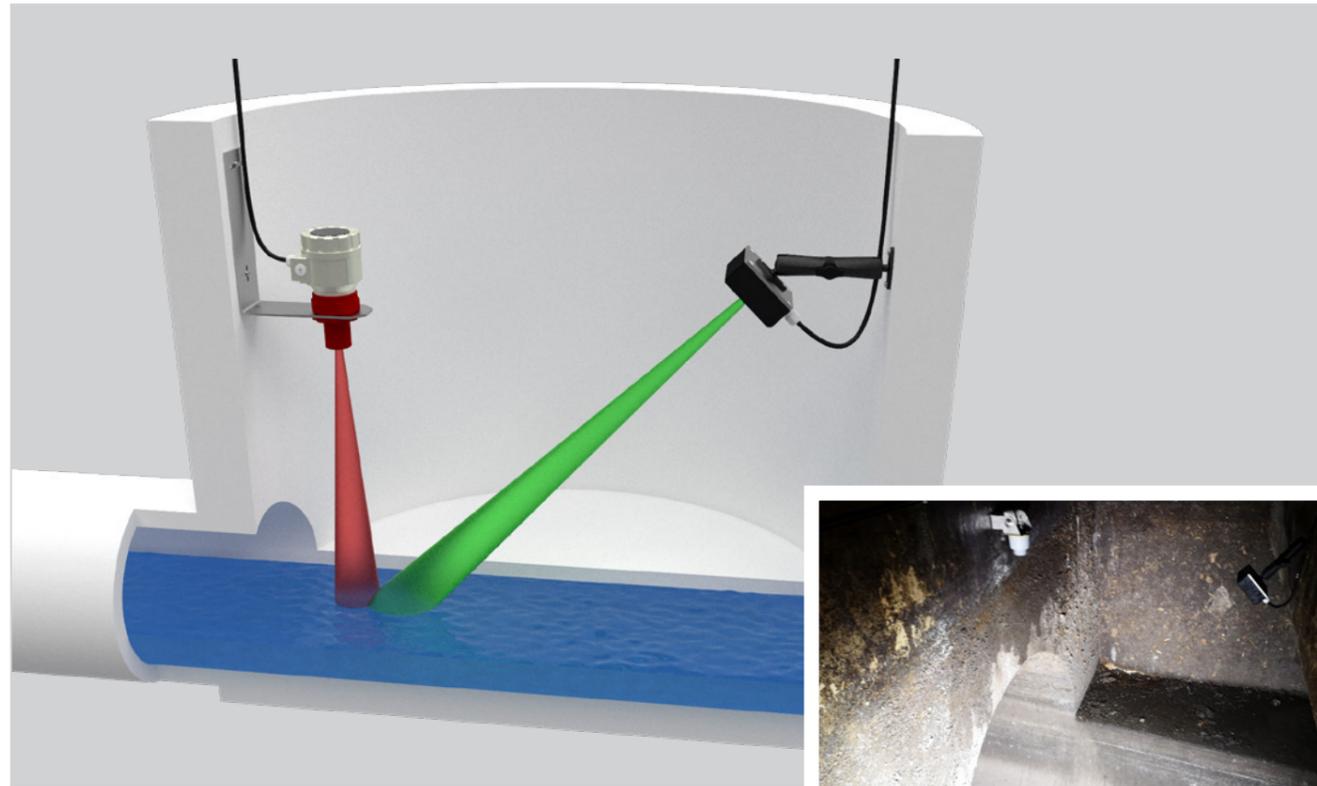
Portable waste water measurement for drainage planning



Reference Report SH Power
Customer Information



Flow meter for open channels and partially filled pipes



State-of-the-art technology



Easy installation

SH Power

SH POWER is a regional utility company with around 150 employees. The company supplies the town of Schaffhausen and surrounding municipalities with electricity, gas and water, and operates the urban drainage system. SH Power also operates the hydroelectric power plant in Schaffhausen and manages, on a contract basis, the utilities of various municipalities. In addition to supplying utilities, the company offers its customers services in the areas of building technology and electromobility.

The three-person urban drainage team at SH POWER plans, builds and maintains the wastewater system and its facilities such as storm water tanks, storm water overflows, storage and interceptor sewers as well as official infiltration and retention facilities in the Schaffhausen region.



Q-Eye Radar Portable is the solution for SH Power

In the course of the general drainage planning started in 2020, SH POWER plans to record the flow rate at various wastewater collection channels over a period of several months in order to verify subsequent hydraulic modelling and to obtain detailed findings on the extraneous water situation. In order to be able to create a meaningful data overview from comparative values, data has to be reliably collected at different locations. In addition, a collection of data over several months shows trends – so the amount of water can be monitored and risks can be minimised at an early stage.

The solution for SH POWER was GWF's Q-Eye Radar Portable – a mobile and non-contact radar flowmeter for open channels and partially filled pipes. This can be used with both flowing and still water and records precise readings.

Another advantage: the easy installation of the meter. There is no contact with the liquid during installation and no need for regular maintenance and cleaning, as the sensors of the Q-Eye Radar Portable do not get soiled. With an integrated Wi-Fi access point and File Transfer Protocol (FTP) push, real-time remote access to data is possible anytime, anywhere – without having to enter the shaft. In addition, the energy supply of the measuring device is ensured with two redundant lithiumion batteries that can be replaced during operation. The mobile Q-Eye Radar Portable can also be converted into a stationary measuring point at a later date if the customer so wishes. GWF offers SH POWER an all-round service package for the device itself, which includes product delivery and installation as well as configuration and commissioning.



Contactless measurement



Customised installation



Q-Eye radar with mobile transmitter



Installation in the field extendable to continuous operation



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