

# Grundfos S-tube® a tried and tested technology

Prior to the release of the new S-tube®, Grundfos approached a water company in the north of England with a view to involving them in the development and testing of this new impeller technology.

## The situation

A combined sewage and storm-water pumping station was selected that had a history of pump blockages. The pre-trial pumps were tripping on a regular basis due to excessive ragging

## The solution

The installed Grundfos pump (5.5 kW) with S-tube® impeller started its field trial in 2010. During the whole pre-trial, trial and post-trial period, Grundfos worked closely with the client to develop and optimise the S-tube® impeller design based on operator feedback during the test period, helping to perfect the hydraulic performance.

## The outcome

After a year of trouble-free operation, the trial pump was lifted and the pump was then closely examined to see what suggestions for improvements could be gleaned from it. This feedback contributed to revising the impeller design and the pump.

The operators at the water company were very satisfied with the outcome, and the pump was left in situ after the test period was over and continues to perform well.



*The S-tube® offers greater hydraulic efficiency than any other type of wastewater impeller, without compromising free passage and has been designed for today's wastewater and tested to extreme levels.*



*The highest motor efficiency, the adaptive intelligence that can be built in, the user-friendly design and functionality and the S-tube® impeller ensure the best total efficiency, the lowest life cycle costs and trouble-free operation for the wastewater pump systems and solutions.*