## Case Study

Mouldsworth Borehole Wilo UK


United
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Water for the North West

United Utilities have a raw water extraction site at Mouldsworth in Cheshire

This site delivers 3 million litres of water per day through 1.7 miles of pipework to a reservoir.

This is a key part of United Utilities' clean water operations allowing them to deliver 1.8 billion litres of water a day to more than 3 million homes and businesses in the North West.


United Supply Chain

Water for the North West



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Site survey undertaken by Wilo UK

Solution proposed

## Mouldsworth Borehole

Site surveying and analysis was undertaken to understand the site pumping requirements and to optimise the sites operations.


Water for the North West


- 10\% Hydraulic efficiency gain
- 27 Kilowatts per hour energy saving
- $£ 64,000$ Running cost saving per annum
- £640,000 Saving based on life expectancy
- $23 \%$ Savings in capital costs
- Reduction in CO2 emissions of 194 tonnes per annum
- Reduction in CO2 emissions of 1940 tonnes per 10-year life expectancy.
- Wilo pump has no embedded CO2 in manufacturing process

Carbon Neutral manufacturing
Water for the North West

United Supply Chain: https://www.unitedutilities.com/corporate/about-us/governance/suppliers/delivering-value/united-supply-chain/

Supply Chain Sustainability School: https://www.supplychainschool.co.uk/
Wilo Sustainability Report: https://wilo.com/en/Pioneering/Sustainability/Sustainability-Report/

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