



Sheffield
Water Centre

Dedicated to a highly collaborative and innovative approach to solving major challenges in the water sector.

UNIQUE INTERDISCIPLINARY CONSORTIUM

Producing novel
solutions to water
challenges

JOIN US TO:

- Be part of a consortium of more than 50 international companies, including water companies, supply chain, research organisations, consultancies, industry groups, and non-profits.
- Accelerate the pace of innovation by working across a variety of industries and perspectives, creating novel solutions for water challenges and harvesting the best of innovative thinking.
- Shape and jointly pursue a strategic vision for research and innovation to achieve transformative change in the water sector.



The
University
Of
Sheffield.

sheffield.ac.uk/research/water

Thought Leadership Clubs



Inter-disciplinary teams working on all aspects of the water cycle from catchments to urban water and wastewater infrastructure. Developing a strategic research agenda and jointly pursuing projects via a number of different funding mechanisms.

Buried Infrastructure Performance:

Though the evidence demonstrating impending asset collapse does not always exist, water utilities need to be assured that their assets are going to perform adequately into the future. This will require a combination of asset condition assessment techniques, management and monitoring of system performance, analysis of asset data, identification and management of risks. This TLC includes participants with knowledge about **sensors, data, network simulations, and risk** among others.

Zero Failures:

Water utilities need to deliver reliably so that their customers and other stakeholders are not inconvenienced. This means both improving water infrastructure to increase its performance as well as understanding customer perceptions and engaging with them regarding the performance limits of the systems. There is also the potential to explore whether and how service levels could vary from those currently delivered. This TLC includes participants with knowledge about **system performance, alternative methods for compliance, policy, and customer partnerships**.

Resource Recovery and Efficiency:

Water utilities need to sustainably manage water and to support customers in reducing their water (and consequently energy) use in the home. There are many opportunities within the water cycle to reduce energy input, derive energy from sustainable sources, and recover energy. In addition, many waste products derived from treatment processes have beneficial uses that could further reduce the overall footprint of the modern water utility. The TLC includes participants with knowledge about **energy management, strategies for infrastructure, waste management, treatment process optimisation and alternative energy sources**.

A photograph of a city street scene featuring a stone bridge over a river. The buildings are multi-story and made of brick, with a mix of traditional and modern architectural styles. The sky is clear and blue.

**TOGETHER
WE DELIVER
TRANSFORMATIVE
CHANGE.**

**To get involved,
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