Aarhus Water and Wastewater in Denmark **saves EUR 700,000 a year** by optimising wastewater treatment processes.

You can too.

DHI are the first people you should call when you have a tough challenge to solve in a water environment – be it a river, a reservoir, an ocean, a coastline, within a city or a factory.

Our knowledge of water environments is second-to-none. It represents 50 years of dedicated research and real-life experience from more than 140 countries. We strive to make this knowledge globally accessible to clients and partners by channelling it through our local teams and unique software.

Our world is water. So whether you need to save water, share it fairly, improve its quality, quantify its impact or manage its flow, we can help. Our knowledge, combined with our team's expertise and the power of our technology, holds the key to unlocking the right solution.

The expert in **WATER ENVIRONMENTS**

DHI

Local solution

More than **300,000 people** live in Aarhus, Denmark's second largest city. Aarhus Water – the local water supplier and storm and wastewater service provider – has 10 wastewater treatment plants that receive 35 million m^3 of wastewater a year. Faced with the demands of a growing city, they needed to find a way to increase their wastewater treatment efficiency and capacity. Adding new machinery and tanks would have strained the city's finances, so they turned to us to find a cost-effective solution. With the operating staff, we optimised their wastewater treatment process using our **Data Integration Management System (DIMS)**.

DIMS acquires real-time data from sensors using the existing SCADA system as a frontend. New set-points – calculated and validated using the data – are communicated back to local control loops in the SCADA system. This allows Aarhus Water to run their treatment processes under the best conditions. By helping Aarhus Water optimise their wastewater treatment processes, they save **EUR 700,000** annually, while reducing their environmental and CO_2 footprint at the same time.

> "The process optimisation has fully met our expectations. In spite of fluctuating loads, we now see more stable operation with better effluent quality and reduced energy consumption."
>
> Flemming Husum,
> Plant Manager, Marselisborg Wastewater Treatment Plant - Aarhus Water

Global knowledge

Adding new machinery and tanks to the treatment plant would have been an additional burden on the city's finances. Our DIMS helped Aarhus Water **save money and improve the environment** without a huge investment.

DIMS is a generic and flexible tool that we can customise to your individual needs. From the smallest towns to largest cities, we can use our global knowledge and experience to develop a system that is perfect for you.

More information on this solution,
www.dhigroup.com/Publications/DHISignatureProjects/Aarhus

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