

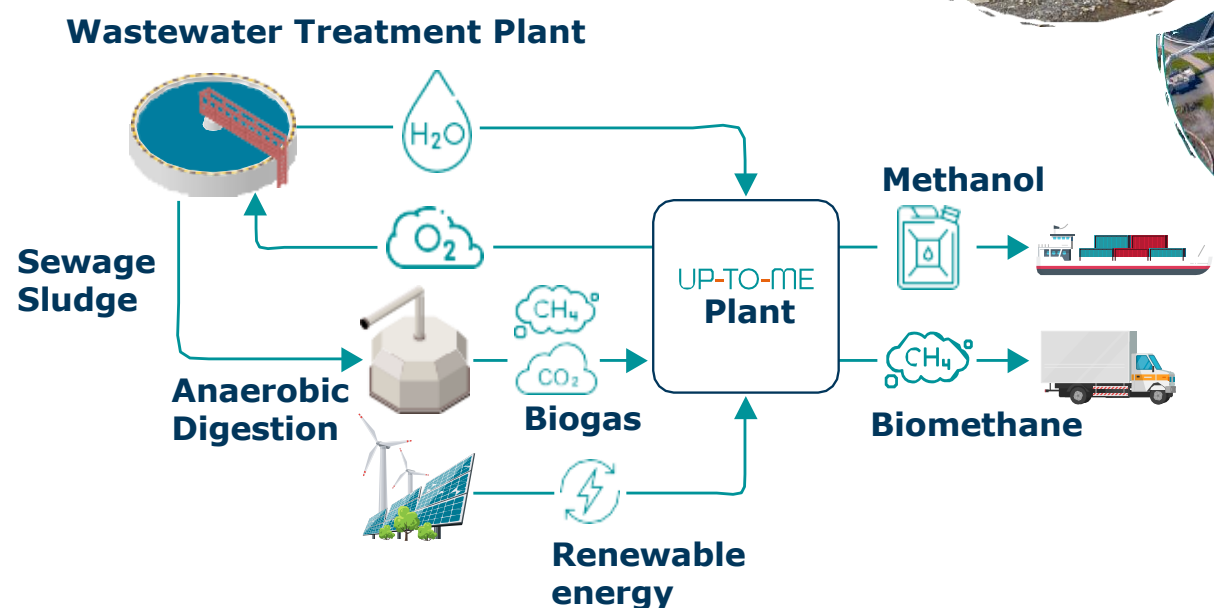
Accelerating the Water Sector to Net Zero with Decentralised Power-to-Methanol Production

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UP-TO-ME is an EU-funded project that targets a ground-breaking change in decentralised Power-to-Methanol production for hard to electrify applications, like marine vessels.

This project is taking on the great challenge of converting decentralised CO₂ point-sources – **biogas from anaerobic digestion of sewage sludge** – to production sites for renewable fuels – **biomethane and e-methanol** – with the aim of significantly impacting the global journey to a Net Zero EU economy.

Combining **dynamic plant models and artificial intelligence**, to provide **self-optimising control** of off-grid operations, allows to produce e-methanol under **fluctuating conditions** in a **fully automated system**.



OBJECTIVES



Reduce energy requirements by 30% compared to amine-based technology



Run the fully automated plant for 300 hours



Produce at least 100 litres of methanol in the experimental plant



Produce a fuel that can reduce harmful emissions by 90% compared to today's fuels

ISLE's role in UP-TO-ME

ISLE is a **global consultancy**, partnering across the water system to **accelerate the water environmental transition**. ISLE's services and platforms help **derisk the development and commercialisation of technologies**, creating value and accelerating innovative solutions.

In **UP-TO-ME** ISLE is the project's **Innovation Manager** and **leader of all Communication, Dissemination and Exploitation activities**, acting as a facilitator between technology developers, industry end-users and investors to accelerate the market uptake (exploitation) of UP-TO-ME solutions.



Get in touch to find out more about our project

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Project Partners**

