projective

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PRODUCT INFORMATION

Municipal Water Energy Optimisation

Reducing energy costs across clean and wastewater operations by maximising existing assets and system-wide efficiency.

Strategic Energy Reduction for Municipal Operations

Energy costs in municipal water operations can be reduced by aligning pump schedules with off-peak electricity pricing and optimising storage use. On the wastewater side, improving heat transfer efficiency within sludge treatment centres reduces reliance on imported fuels and enhances overall system performance.

Whole-system energy analysis: identifies inefficiencies across the full water cycle.

Asset-First optimisation: improves existing infrastructure before recommending upgrades.

Integrated clean & wastewater focus: delivers energy savings across both operational streams.

Validated modelling: simulates changes to ensure secure, risk-free implementation.

Reclaiming Value from Optimised Systems

Even high-performing facilities can hide inefficiencies. By analysing how assets interact across the full system, overlooked energy losses are revealed, unlocking measurable savings without major investment.

Model-Led Engineering for Confident Action

- Simulates full-system impact before implementation
- Validates changes against historical performance
- Ensures supply continuity and compliance
- Supports confident, data-backed decisions

Heat Transfer: The Hidden Efficiency Gap

In sludge treatment, heat transfer is a key driver of fuel use. Improving this often-overlooked process reduces energy consumption, lowers emissions, and boosts operational efficiency.