

# Unlocking Energy Efficiency In Wastewater Operations

Engineering solutions that reduce costs, improve reliability, and optimise performance.

## Strategic Energy Reduction for Sludge Treatment

Projective delivers intelligent, future-ready engineering that transforms sludge treatment centres into high-efficiency operations. Projective's tailored approach identifies energy-saving opportunities and enhances process performance across the entire treatment cycle.



**Hydrolysis & Pasteurisation:** improves sludge breakdown and energy recovery.



**Biogas Utilisation:** boosts energy, reduces fuel use.



**CHP & Boiler Efficiency:** increases thermal and electrical output.



**Thermal Systems:** efficient heat distribution.



**Monitoring & Control:** reliable, visible performance.

## ► Engineering Insight That Delivers Results

Projective's site surveys generate a complete energy balance, analysing thermal demand, supply and process interaction. This enables Projective to pinpoint inefficiencies and engineer targeted improvements in heat exchange, feed control, and energy recovery.

## ► Optimisation That Drives Operational Value

Projective targets two key areas to improve energy efficiency, reliability, and operational performance.

- **Treatment Process Enhancements:**  
Increase throughput, boost biogas yield and upgrade control systems to enhance reliability.
- **CHP & Boiler Efficiency Projects:**  
Maximise energy output, optimise biogas use and resolve thermal challenges to reduce fuel dependency.

Over £375,000 in energy savings and identified £1 million in further opportunities.