



# A LARGE UK-BASED WATER UTILITY SWITCHED TO RESULTS

Over 8% energy savings achieved over 12 months.

**The Need:**

- To bring down escalating consumer bills and encourage delivery of high-value water services.
- To promote energy efficiency through better visibility and control on energy consumption, enhanced data value and an effective asset management program.
- To engage a strategic business partner to help reduce the overall energy spend and make well informed Totex decisions.



**Over 515 Mn kWh/year** | **1.1 Bn m<sup>3</sup>**  
 Consumption per year of sewage flow

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Wastewater treatment works

**ANALYZE**

A cluster-wide approach of looking at 20% of the sites to generate **80%** of targeted benefits

**The Solution:**

- Energy Management through Big Data and advanced analytics.
- Asset Lifecycle Management.
- Continuous monitoring and reporting to safeguard compliance and quality.

**ACHIEVE**

**The Results:**

- Helped achieve more than 8% energy savings over 12 months.
- Implemented 30-plus Operational Energy Conservation Measures that resulted in optimization of site operations.

**2,391 tCO<sub>2</sub>e**  
CO<sub>2</sub> emission reduction

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**Over 68,000**  
data records processed per day

**The Future:**

- Extension of energy optimization services to the clean water segment.
- Service extension to include majority of the wastewater treatment sites, including some of the largest in the UK.

**ACCELERATE**

