

Access a force multiplier for your utility

Water and wastewater utilities face steep challenges in getting real value from data. Let us be your guide in assessing, organizing, and extracting valuable insights from your technology investments. Our team of experienced data scientists are here to help you unlock the power of your data. We provide customized data science solutions to enhance your operations, efficiency, and decision-making.

What is Trinnex DSaaS?

Trinnex Data Science-as-a-Service (DSaaS) is a consulting service that provides water and wastewater utilities with access to a data science team with a proven track record of applying Artificial Intelligence (AI) and Machine Learning (ML) to utilities' toughest challenges.

By tapping into the power of Trinnex's DSaaS, utilities can immediately benefit from AI and ML to optimize performance, meet goals and KPIs, predict asset failures before they happen and detect and monitor subtle anomalies and deflect in sensors, and much more.

Benefits of Trinnex DSaaS

A **dedicated team** of data science experts

The **latest techniques** in AI and machine learning

Ongoing **support and collaboration**

Customized solutions tailored to your needs

Be on the cutting edge

Trinnex DSaaS gives you access to the latest techniques in data analysis and machine learning. No in-house data science team? No problem. We've got you covered.

Features of Trinnex DSaaS



Pattern Recognition

Analyze data to identify trends, anomalies, or regularities that help detect water quality issues and leakage to optimize resources.



Predictive Maintenance

Choose predictive maintenance by monitoring sensor and SCADA data for anomalies, failure diagnosis, and optimal timing of maintenance activities.



Sensor Anomaly Detection

Identify rare events in near real-time, enabling a rapid response to operational changes and hardware issues that may take weeks or months to discover otherwise.



Chemical/Energy Optimization

Fine-tune chemical dosages and energy consumption to enhance water quality while minimizing costs and environmental impact.



Pipe Break Prediction

Predict future water main failures, classify most at-risk pipes to prioritize repair or replacement, and plan for the future.



Flow Forecasting

Proactively manage water resources to mitigate floods, ensure a stable water supply, manage water sustainably, and plan infrastructure investments.

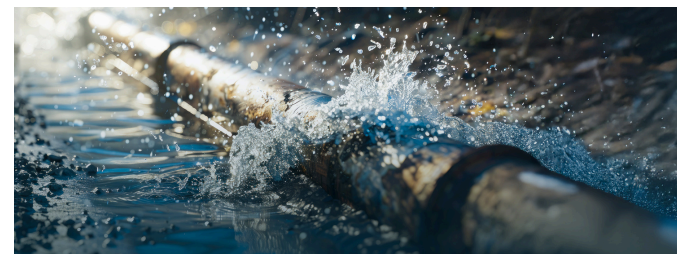
Achieve meaningful outcomes



Modernize utility operations



- Improve efficiency
- Lower costs
- Retain institutional knowledge



Become resilient

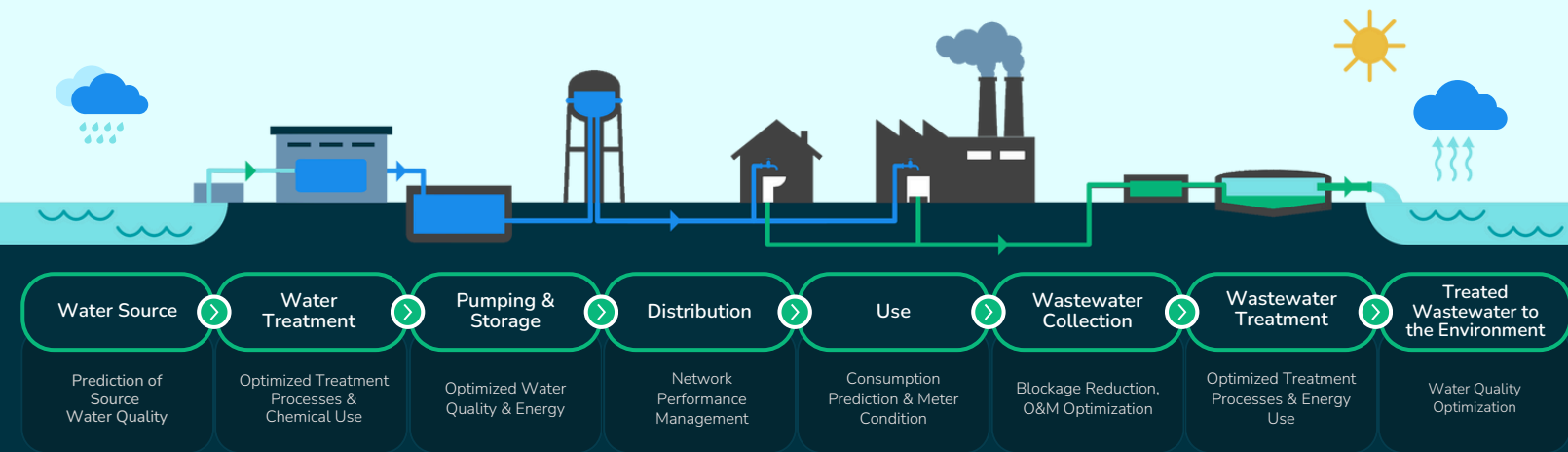


- Mitigate risk
- Improve rapid response
- Protect the community

Start your AI journey with real-world water impact

Artificial intelligence and machine learning hold vast promise to extract value from utility data. We can put you on the fast track to integrate AI into your utility operations with a realistic starting point and always with real-world outcomes as the goal.

Use of Artificial Intelligence in Water and Wastewater



Why Trinnex DSaaS?

Our team of experienced data scientists have unmatched domain expertise in the industry.

We have a proven track record of delivering successful solutions to our clients, helping them to unlock the power of their data and optimize their systems.

Trinnex can provide roadmaps to evaluate a utility's existing digital capabilities and to identify the level of effort required and the value to be gained from DSaaS.

