

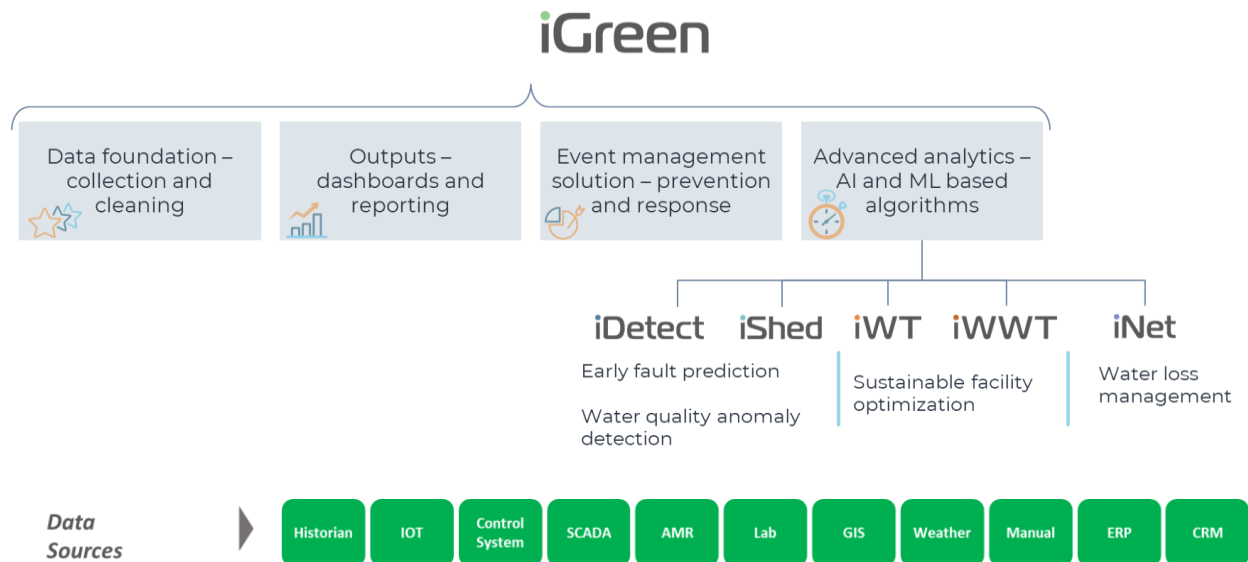
Driven Data Management & AI Solutions for Water Utilities

IOSight is an innovator and a market leader in the field of data management and analytics, specializing in the water treatment sector. The company provides cost-effective, user-friendly solutions for water and energy infrastructure facilities, reducing costs, improving efficiency, increasing productivity, saving energy, and delivering regulatory compliance.

With over **100 installations** and customer satisfaction in the water and energy arenas worldwide, we provide robust, reliable, and flexible solutions enabling practical data-driven management. Facilities managers and operators can get **actionable, accurate, comprehensive, real-time insights** into their site performance, as well as advanced **decision-support solutions** such as anomaly detection, early fault prediction, and optimization of operations and resources.

IOSight's core iGreen system collects, safely, systematically, and reliably, large amounts of designated data via a variety of interfaces. The collected data is cleaned, validated, stored in a modeled SQL database, processed, analyzed, restored, and presented in the form of meaningful significant outputs, including reports, online dashboards, and decision support tools.

Our customers include all desalination plants national water companies and authorities in Israel, and leading organizations in the water and energy sectors in the US, China, and Europe.




iGreen – Our comprehensive platform for the Data-Driven Utility:

- Multiple interfaces to all relevant data sources
- Cleanses, models and stores significant amounts of data
- Enables diverse presentations of both straight-forward and processed data (reporting engine, online dashboards, GIS display)
- Pump analysis – predictive maintenance
- Online Normalization analysis – connectors breaks detection on real time
- Advanced features, including algorithm engine, rules driven event-management platform
- Sampling program preparation & management

IOSight's Smart Water Solution Suite includes several AI-based modules:

iShed Water Quality Monitoring in Rivers and Watersheds

- Contamination / anomaly detection
- Downstream propagation
- Elimination of 95% of false alerts




Total Index

Total Index Score: 0.56

Weight	Value	Weight value	Weighted value
Water Quality	0.5	0.5	0.25
Water Quantity	0.5	0.5	0.25
Water Temperature	0.5	0.5	0.25
Water Turbidity	0.5	0.5	0.25

iDetect Early Fault Detection Engine

- Machine failure
- Quality exceptions
- Flow and pressure anomalies




WATER QUALITY

Status	Type	ID	Name	Start Date	End Date
Alert	Flow	1000	Water Quality - High	2023-10-01	2023-10-01
Alert	Pressure	1001	Water Pressure - Low	2023-10-01	2023-10-01
Alert	Flow	1002	Water Flow - Anomaly	2023-10-01	2023-10-01

iWT Optimization for WTPs and WWTPs

iWWT

- Energy consumption of pumps/blowers
- Chemical dosing
- Intelligent Production plan
- More than 10% cost savings



Decision Support System: Chemicals

Chemical	Flow Rate	Concentration	Temperature	Pressure
Chlorine	100	1.0	20	1.0
Sulfur Dioxide	200	2.0	30	2.0
Ammonia	300	3.0	40	3.0

iNet NRW in District Metered Areas (DMAs)

- Online water balances based on Minimum Night Flow (MNF)
- Water-loss decision-support system
- Detecting anomalies and potential bursts



Water Flow

Line graph showing flow rate over time with a highlighted anomaly.



Data at the tip of your fingers 