

IONSITE Digital Twin

IonSite Digital Twin is a cloud based solution that leverages Artificial Intelligence (AI) and wastewater modeling technology to predict and avoid water quality issues, identify cost savings and provide real-time performance advice.

Water is a crucial and valuable resource in manufacturing. Therefore, operation of water and waste water plants continuously and efficiently is critical to all mfg processes like process & utility. Aging treatment plants and infrastructure, combined with unpredictable water quality issues, necessitates usage of technological advancements that keep facilities running smoothly and efficiently.

IonSite Digital Twin enables plant operators to monitor and optimize the performance of their plants in real-time. In real time with real time analytics prediction and prescription to mitigate failures.

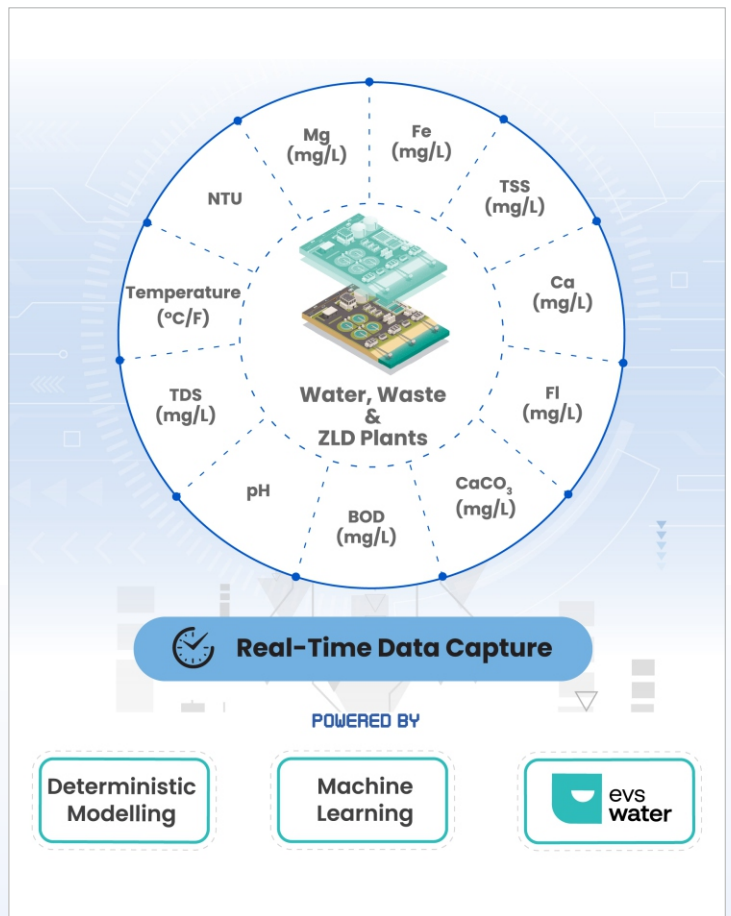
IonSite Digital Twin:

IonSite Digital Twin uses process models including algorithms and statistical methods to analyse and draw inferences from patterns in data, to 'learn' how the actual plant operates and deliver accurate near-term forecasting.

The IonSite Digital Twin distils complex data into highly accurate, simple and daily recommendations on process settings that are easy to understand, enabling efficient communications as well as rapid and confident decision making.

Benefits:

- Digital Replica of real systems
- 24X7 Real-time trending analysis of all water KPI's
- Instant diagnosis and proactive response to water quality issues
- Identifies risk and reduces breakdown with predictive maintenance
- Significant Opex savings (Chemicals, power and consumables)
- Optimise Water Quality and performance through the life cycle of the asset



Applications:

- Digitalising of water assets (Water Treatment, Wastewater Treatment, Recycle, Zero Liquid Discharge Plants etc.)
 - Manual plants
 - Semi auto plants
 - Automatic plants

To the best of our knowledge the information contained in this publication is accurate. Ion Exchange (India) Ltd. maintains a policy of continuous development and reserves the right to amend the information given herein without notice. Please contact our regional/branch offices for current product specifications.



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