



Let's Solve



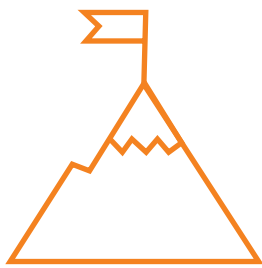
A Larsen & Toubro
Group Company



Case Study

Smart Water Utilities Management for Engineering & Construction Major in India

The client is a major engineering & construction company in India with global operations. It constructs water supply network, operate and maintain on Build, Own, Operate & Transfer basis.



Business Challenges

- ☑ Low visibility of the assets outside the plant leading to less efficient water management.
- ☑ Lack of integrated view of operational performance of the water network.
- ☑ Over allocation because of uneven utilization of machineries and hence lesser productivity.
- ☑ Unable to monitor and control consumption of treatment chemicals, energy and labor expenses.

LTI Solutions

LTI's Smart water utility management solution on AWS IoT improves visibility of entire water network to bring actionable insights from the operational data. The solution enhances operational efficiency by providing reliable supply network to water treatment plants and optimizes distribution network by accurately forecasting availability of treated water to suffice the demand. The solution enables reduced maintenance expenses by performing real-time asset condition monitoring, and hence, operationalizes predictive maintenance.

Solution Highlights

Implemented **AWS-powered solution** for real-time monitoring of pump stations providing complete visibility into the water network.

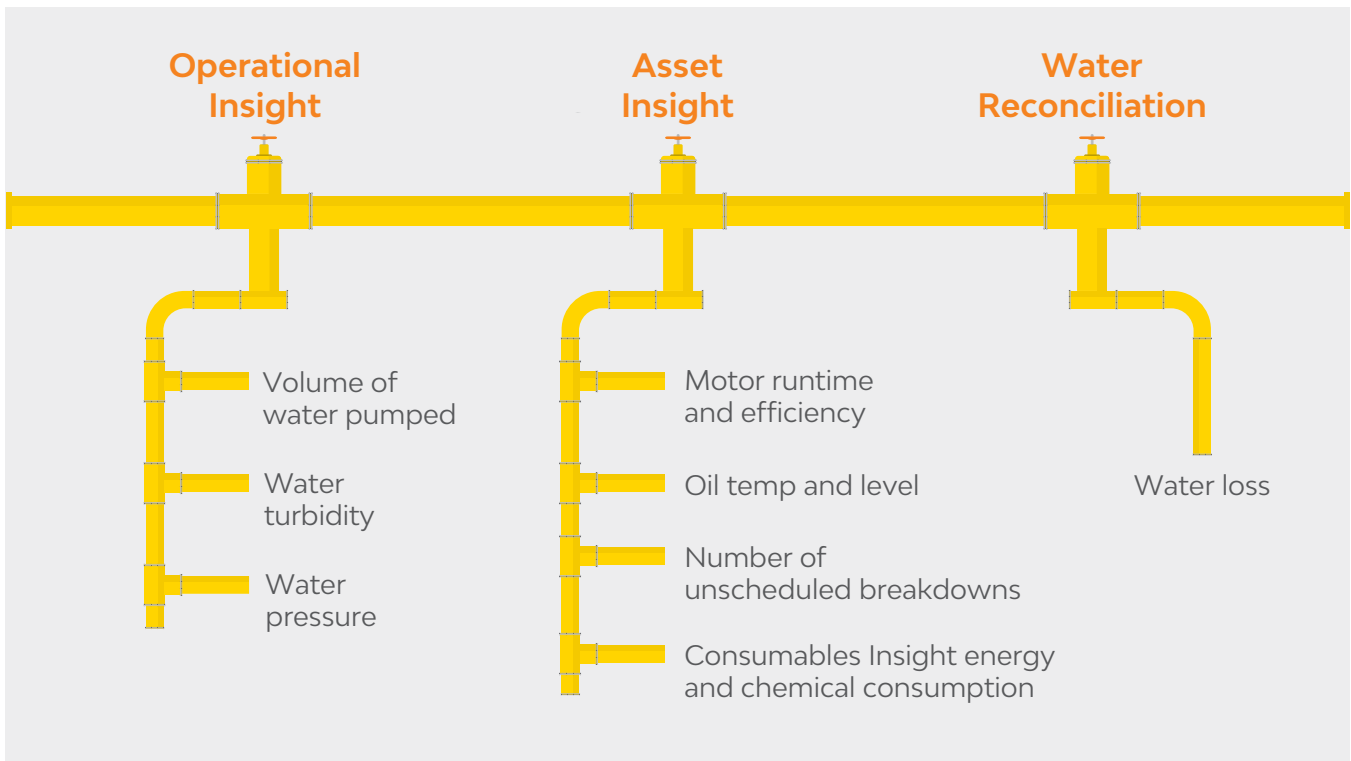
Simulated operation scenarios specific to water supply management for **optimal performance.**

Integrated with sensors at pump stations, treatment plants, storage tanks, pipelines, bulk and domestic water meters providing real-time equipment information for the complete network.

Map integration to bring locational analysis across water supply network and detect probability of leakage based on patterns of water consumption.

Operationalize **predictive maintenance** schedules for maintenance of pumps.

KPIs monitored



Business Benefits



LTI (NSE: LTI) is a global technology consulting and digital solutions company helping more than 400 clients succeed in a converging world. With operations in 31 countries, we go the extra mile for our clients and accelerate their digital transformation with LTI's Mosaic platform enabling their mobile, social, analytics, IoT and cloud journeys. Founded in 1997 as a subsidiary of Larsen & Toubro Limited, our unique heritage gives us unrivalled real-world expertise to solve the most complex challenges of enterprises across all industries. Each day, our team of more than 33,000 LTIites enable our clients to improve the effectiveness of their business and technology operations and deliver value to their customers, employees and shareholders. Find more at <http://www.Ltinfotech.com> or follow us at @LTI_Global.