

# Opera Water

The solution enhances operational efficiency of Water Treatment Plant by providing reliable water supply to distribution network by accurately forecasting availability of treated water and reducing maintenance expenses by performing real-time condition monitoring of plant assets.

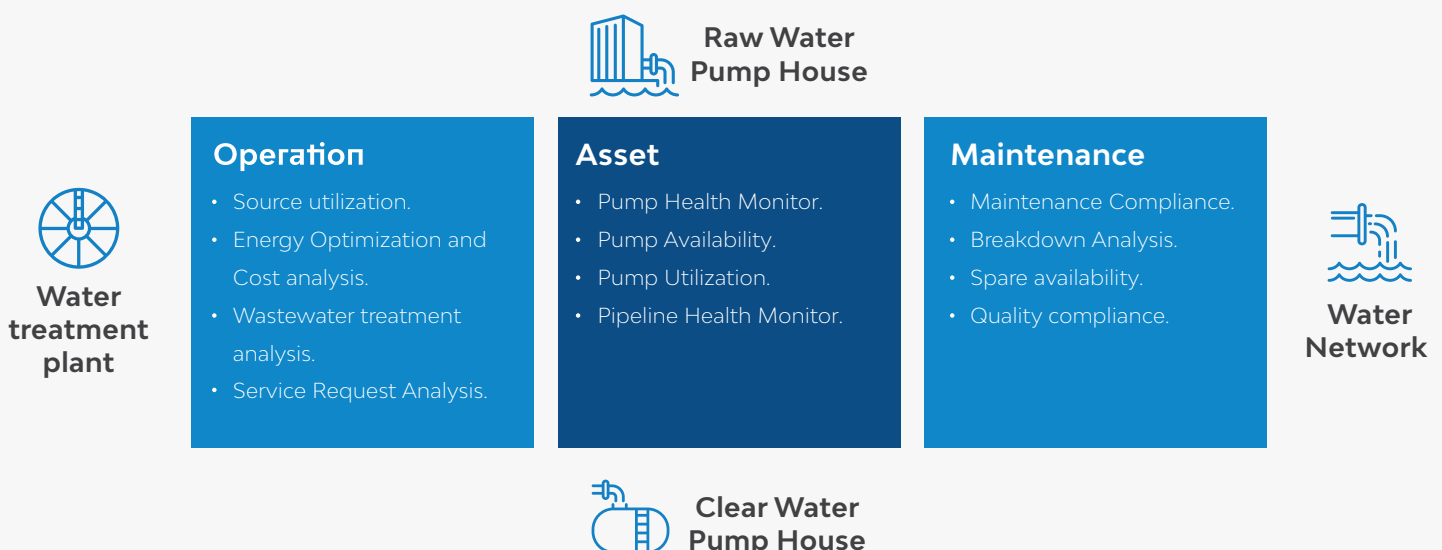
## Challenges

- Low visibility of assets outside plant leading to less efficient water management.
- Lack of integrated view of operational performance.
- Over allocation because of uneven utilization of machinery.
- Stringent regulatory SLAs for water quality, pressure and non-revenue water.
- Unable to control consumption of chemical, energy and labor expenses.
- Unscheduled maintenance work due to lack of business and operational insights.

## Solution

- ✓ Providing integrated view of all pump stations for real-time monitoring.
- ✓ Operation performance scenarios, specific to water supply management.
- ✓ Consumption analytics of chlorine, alum, energy consumption.
- ✓ Integration with sensors at pump stations, treatment plants, storage tanks, pipelines, and water meters.
- ✓ Asset performance management for predictive maintenance of pumps.

## KPIs Monitored



## Benefits



**100% visibility** of water network.



**30-40% improvement** in SLA compliance - water pressure in line, quality, non-revenue water.



Energy & chemical consumption analysis leads to **5-10% cost reduction**.



**Increased availability** of assets and reduction in NRW (Non-Revenue Water).



**Reduced maintenance cost** by real-time condition monitoring and predictive maintenance of pumps, compressor, motors and filtration equipment.

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