



## Transforming Water Management with IoT Solutions

IOT



## IOT IN WATER

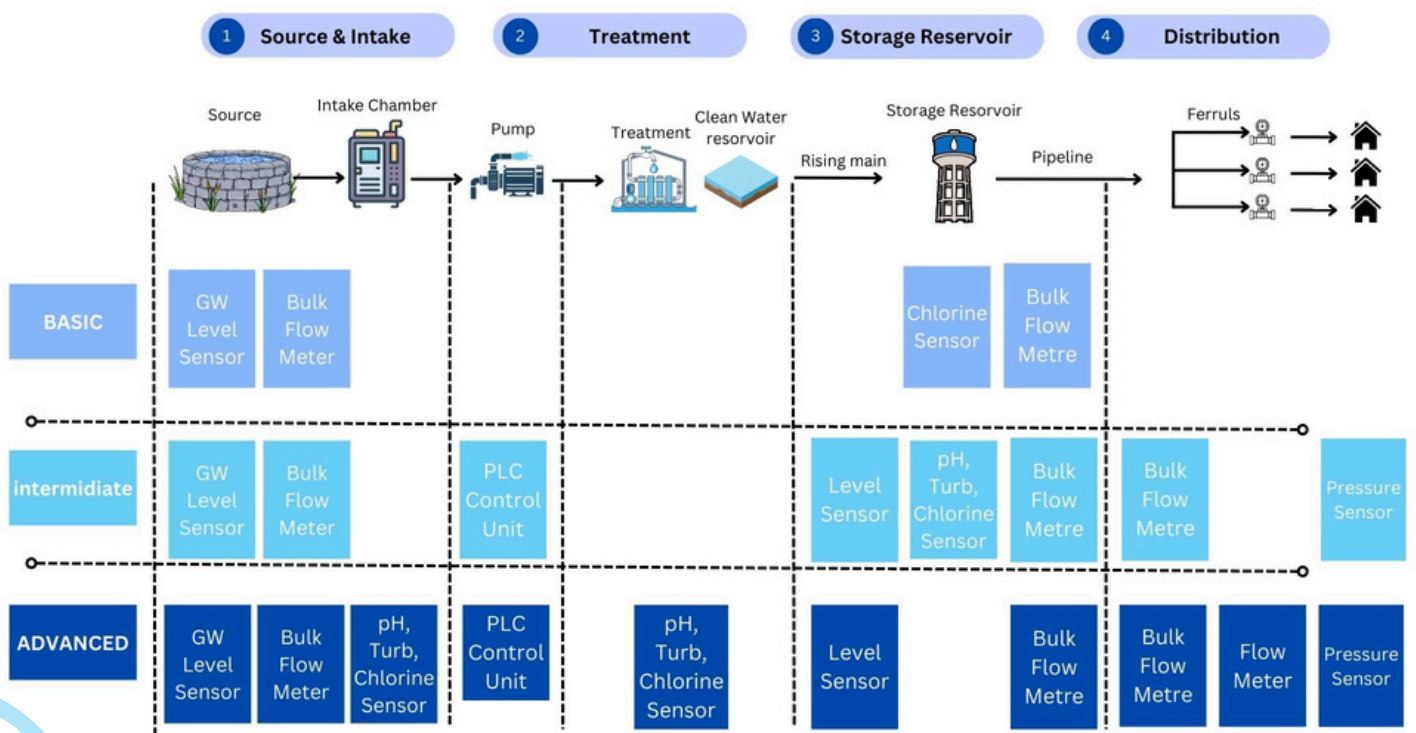
Water is the lifeblood of our planet. However, managing this precious resource efficiently poses significant challenges. We're pioneering a new approach by integrating IoT technologies into rural water supply schemes. Our large-scale project is currently underway and aims to transform these schemes into IoT-enabled systems.

With real-time monitoring and management, our IoT solutions provide unprecedented visibility into water usage patterns, facilitate prompt leak detection, and optimize water distribution schedules based on demand and supply patterns. This not only minimizes waste but also ensures that water reaches the places it's needed the most, when it's needed.

Moreover, our IoT solutions are designed to be scalable and adaptable, capable of addressing the unique water management needs of different regions. Our ultimate vision is to ensure that every drop of water is used judiciously, fostering a sustainable water future



## BASED ON SCOPE & AFFORDABILITY , 3 TYPES OF IOT SOLUTIONS HAS BEEN PROPOSED





## KEY MEASUREMENT PARAMETERS

### Quantity (Flow & LPCD)

Measure water flow and ensure each individual receives 55 liters per capita per day (LPCD).

### Water Quality (Residual Chlorine)

Monitor residual chlorine levels to ensure the water is free from contaminants and safe for domestic use.

### Pressure (Tail End Pressure, Effective Distribution Network)

Ensure adequate tail-end pressure and efficient distribution throughout the network to guarantee reliable water delivery to all households.



## OUR DEVICES : SENSORS – IOT MONITORING – JJM SCHEMES

Solar Panel



GSM



Electromagnetic Flow meter



Data Monitoring Unit



## SITE INSTALLATION SNAPSHOTS

Residual chlorine analyzer



Residual chlorine analyzer



Electromagnetic Flow meter

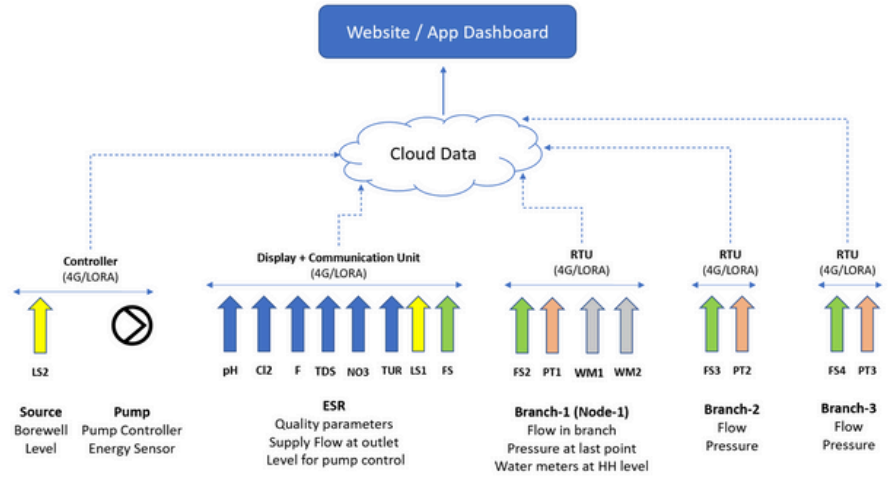
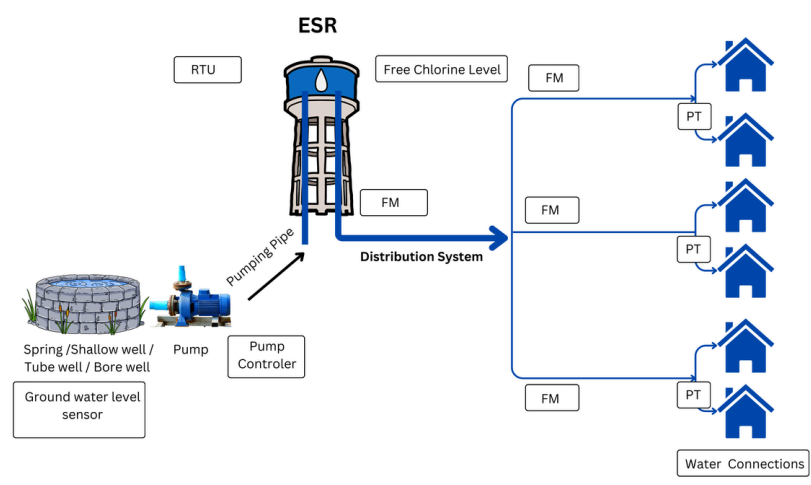


Residual chlorine analyzer

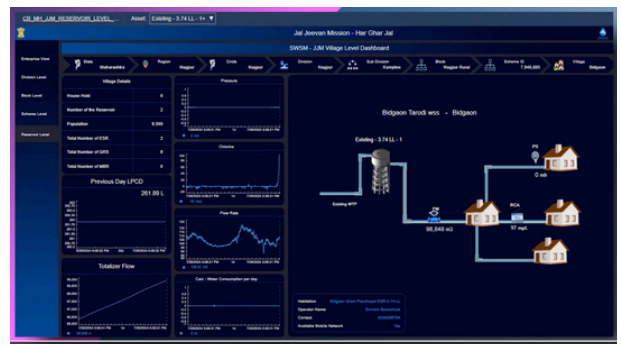




# IOT BASED WATER MONITORING SCHEMATIC



# DASH BOARD OVERVIEW



## Reach us

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