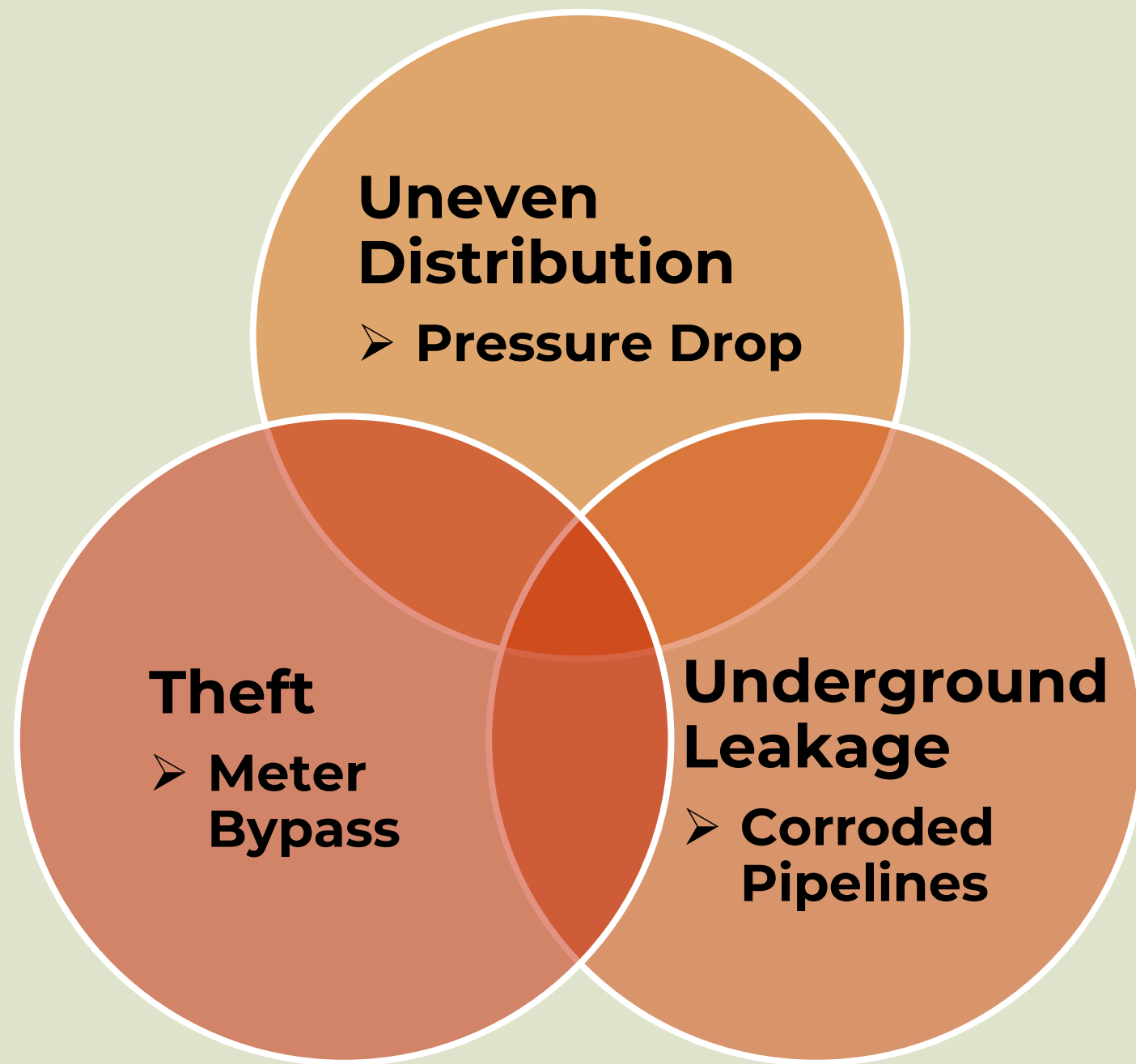




Saving of Water Made Simple

# Underground Losses

**35-50% Unaccounted Losses during Water Distribution**



**Uneven Distribution**  
➤ Pressure drop  
➤ Gravity  
➤ Line blockages

**Underground Leakage**  
➤ Corroded Pipelines  
➤ Cracks in underground storage



# Smart Leakage Detection

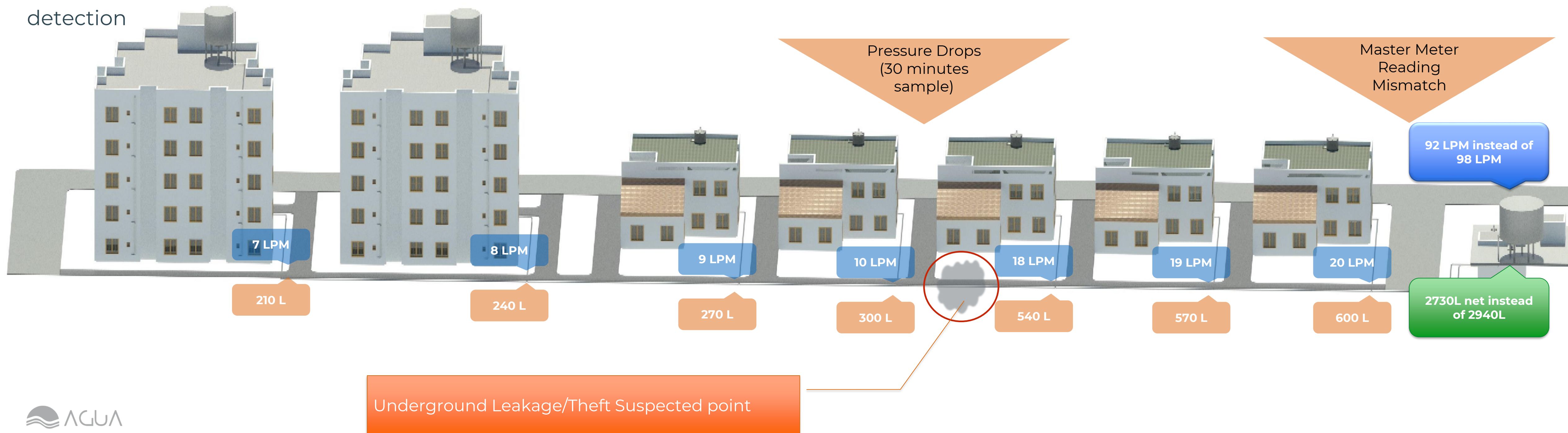
## Key Product Differentiators

- **Detect exact source of leakage/theft** in distribution pipeline (in real-time). Done using water metering data received from individual Agua Smart Meters
- The **Wireless nature of our hardware** combined with our **Wireless SCADA** and **Plug-and-Play devices**, together ensure that installation and maintenance **costs are 15% of the cost of PLC/SCADA based systems**
- **Does not require** additional sensors like pressure sensors etc. for leakage detection

## All end points and nodes monitored using –

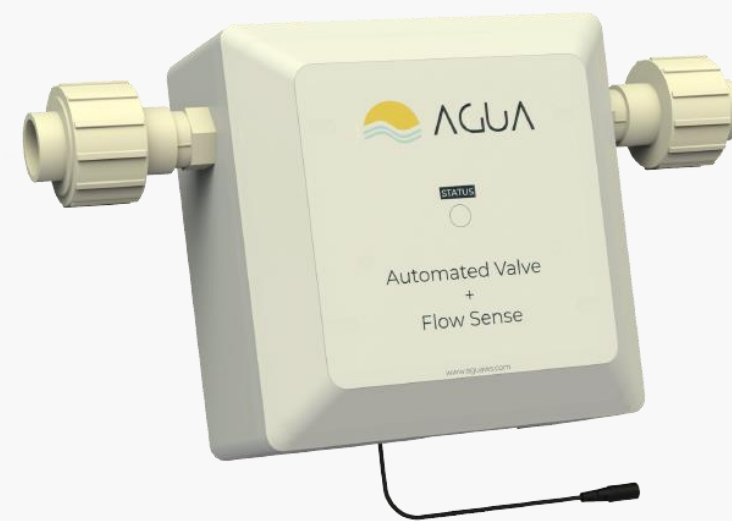
- Automated Valves + Flow Sensor devices
- Wireless Communication using RF/LoraWAN/WiFi/GSM
- Entire system monitored and managed through an **AI-based** cloud software and a **Wireless SCADA** system

**Our system can help layouts, villages and cities automate distribution, enable fair billing and detect leakages/theft**



# Smart Water Distribution

Let's try quota-based or demand-based supply of water



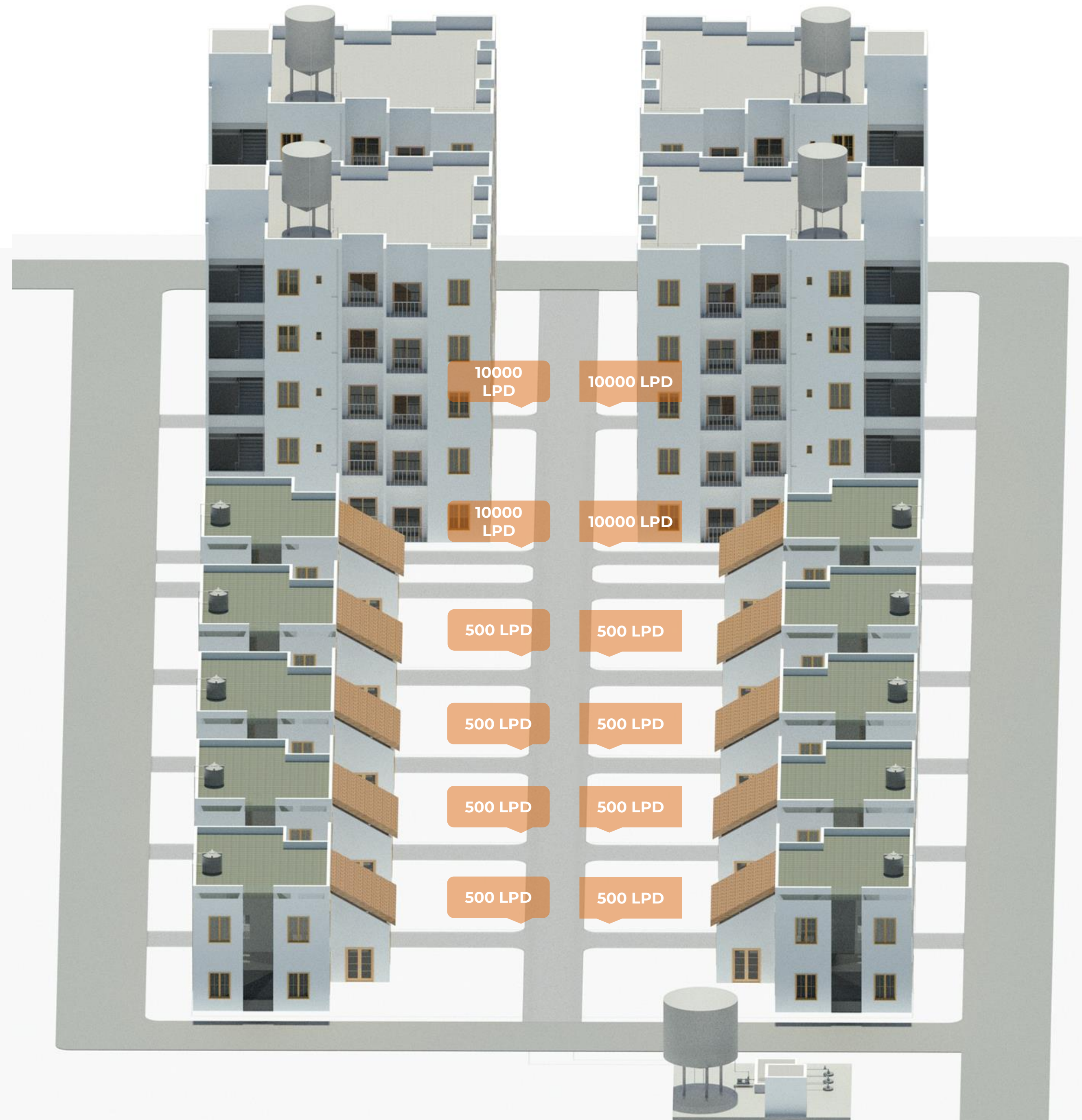
**Quota based water supply** instead of random pressure based delivery

Can enable **UID based quota allocation**

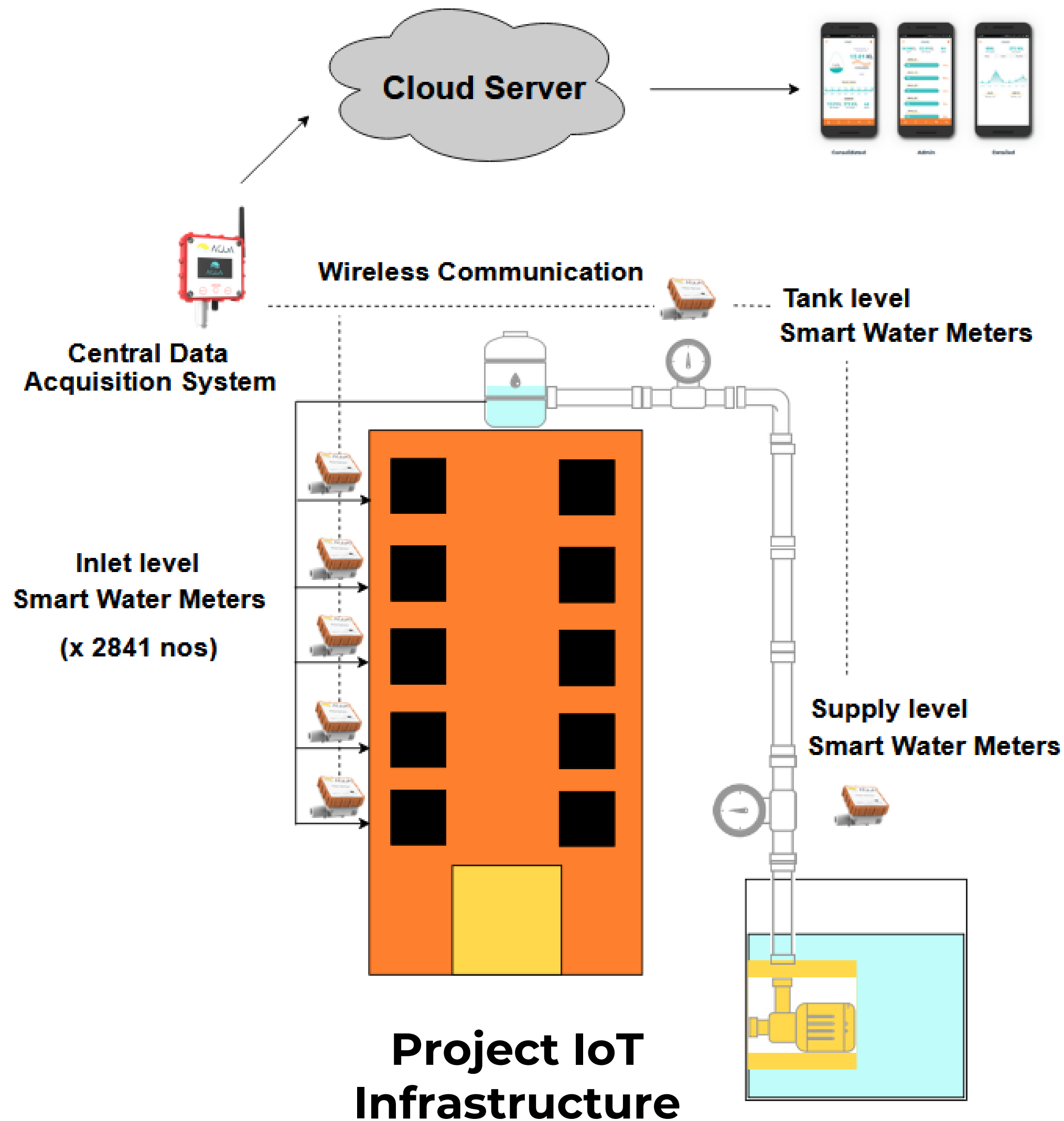
**Underground leakage detection** using pressure monitoring at nodes

**Wireless SCADA** system to enable **geo-tagging of assets** on a MapView

Complete remote monitoring and control

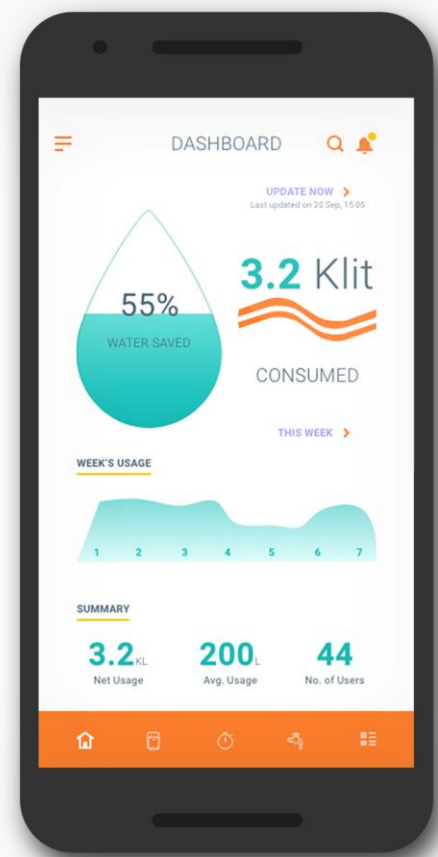


# Agua Smart Leakage Detection – Case Study



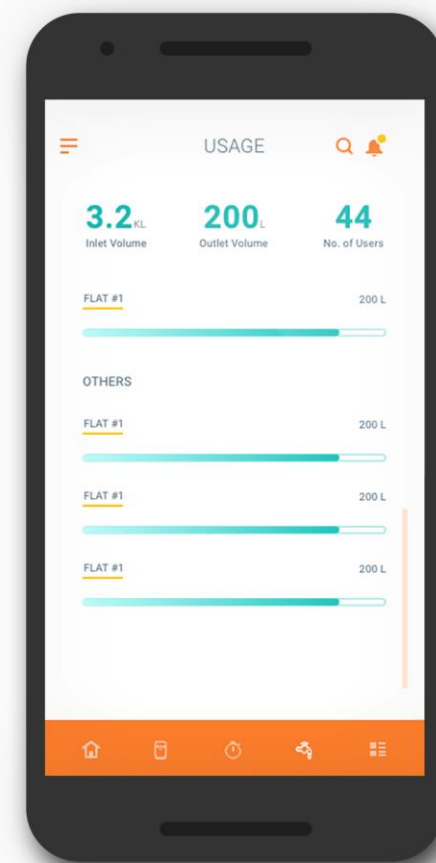
Project details (*All charges exclude GST)	
<b>Project Name</b>	Manjunatha Residency, B-Block, Bangalore
<b>Number of Agua Meters installed</b>	44 flats – 44 Household Level Meters
<b>Water consumption (including Leakages) before Agua</b>	11.24 ML annually
<b>Water Savings bought in by Agua (Leakage Detection)</b>	3.93 ML annually
<b>Potential Annual Electricity Savings</b>	35% reduction in water pump usage
<b>Monetary savings to customer</b>	INR 196,500/- annually
<b>One-time setup cost to customer</b>	INR 154,000/-
<b>Yearly Rental Fee (Mobile App + device AMC)</b>	INR 26,400/- charged annually
<b>Project Payback Period</b>	9 - 10.8 months

# Mobile Application/Wireless SCADA System

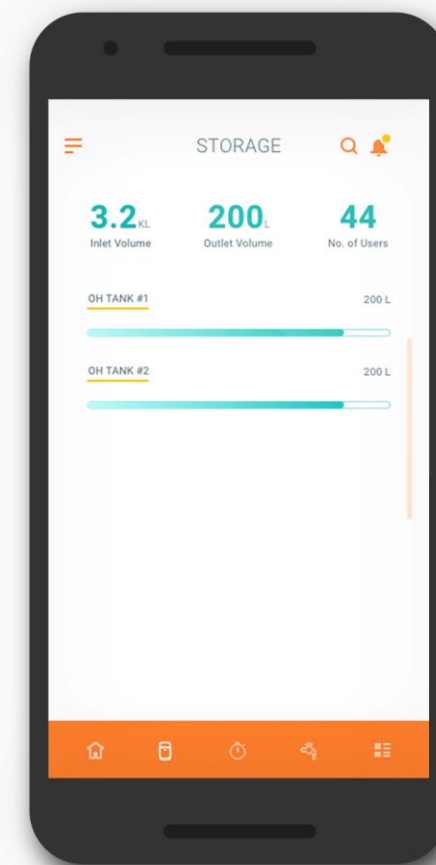


Analyse

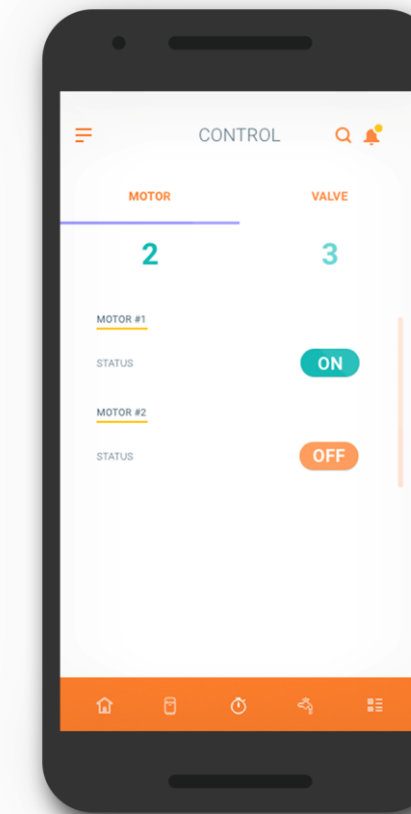
Measure



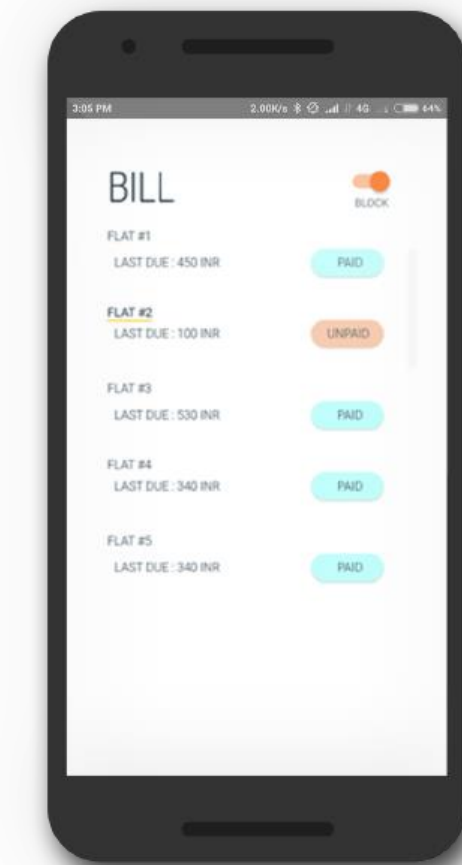
Plan



Schedule



Sustain



All **Agua devices** wirelessly transmit data to a central server using **Wi-Fi, RF/LoraWAN and GSM/GPRS technology**

The **Administration** will be able to use the **Agua mobile app/Wireless SCADA system** to:

- Detect **underground leakages/thefts**
- **Automate Water Distribution Grid** infrastructure and set individual quotas
- Generate **water bills, collect payments**
- Monitor overall **system health and performance** remotely

**Users** will be able to use **Agua mobile app** to:

- **Monitor consumption**
- **Pay water bills**
- **Buy additional water supply**
- **Analyze historical consumption.**

Let's  
Save

For information and queries

Contact - [info@aguaws.com](mailto:info@aguaws.com)