

# Smart Water Level Monitoring System



## DESCRIPTION

Arion Smart Water Level Monitoring is an IoT based wireless device that provides live\* data of water levels in ESR / GSR / Sumps (in liters & percentage) at desired frequency of time to effectively monitor the water levels for timely action. Available data on desktop/laptop/Android & iOS mobile app.

## TECHNOLOGY USED

- Rugged micro-controller with industrial grade components & world class sensors.
- Secured AWS Cloud based secure storage of data.
- MQTT protocol for secure communication of data.
- GSM/GPRS for data communication.
- IoT / LoRa based Technology corresponding to industry 4.0
- Environment friendly solar energy for power requirements

## Visualization, Benchmark & Compare Data on a Single Dashboard

- Continuous Water Monitoring in Liters & Percentage
- Prevents Overflow of Water
- Total Alerts (High-High, High, Low-Low, Low)
- Historical Graph of water (Line & Bar chart)
- Water consumption
- Water filling
- Max. Water level of tank (Day / Week / Month / Yearly)
- Min. Water level of tank (Day / Week / Month / Yearly)
- Reports
- Historical data for 1 year

## Visualize Data in Real Time on a Single Dashboard

- No. Of tank device installed in your town
- Device ID
- Site name
- Each tank basic details
- Tank height
- Tank Capacity
- Time & Date
- All installed tank located on Google map
- Device communication break
- Battery reading
- Leakage of water
- Prevents Wastage of Water

\* Live data means – Nearly live data.

Note : Technical specification and outer case subjected to change without notice.  
Uninterrupted Internet Connectivity needed.