

Smart Pump Monitoring Solution



DESCRIPTION

Arion smart pump monitoring measures parameters like electricity consumption, voltage, current, pump efficiency, total water thrown*, pump working hours & gives the data on centralized dashboard. It has the inbuilt capability to switch on & switch off the motor to prevent dry run & overflow respectively. Available data on desktop/laptop/Android & iOS mobile app.

TECHNOLOGY USED

- Rugged micro-controller with industrial grade components & best MFM meter.
- 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

Visualization, Benchmark & Compare Data on a Single Dashboard

- Electricity consumption
- Pump efficiency
- Motor efficiency
- Prevents Dry run
- Alerts and Variation of 1-Phase & 3-Phase Voltage & Current
- Working hour of pump
- No. Of units consumption
- Total water thrown
- No. Of times pump started
- Reports
- Historical data for 1 year

Visualize Data in Real Time Data on a Single Dashboard

- No. of pump device installed in your town
- Pump working status
- Pump basic details
- Device communication break