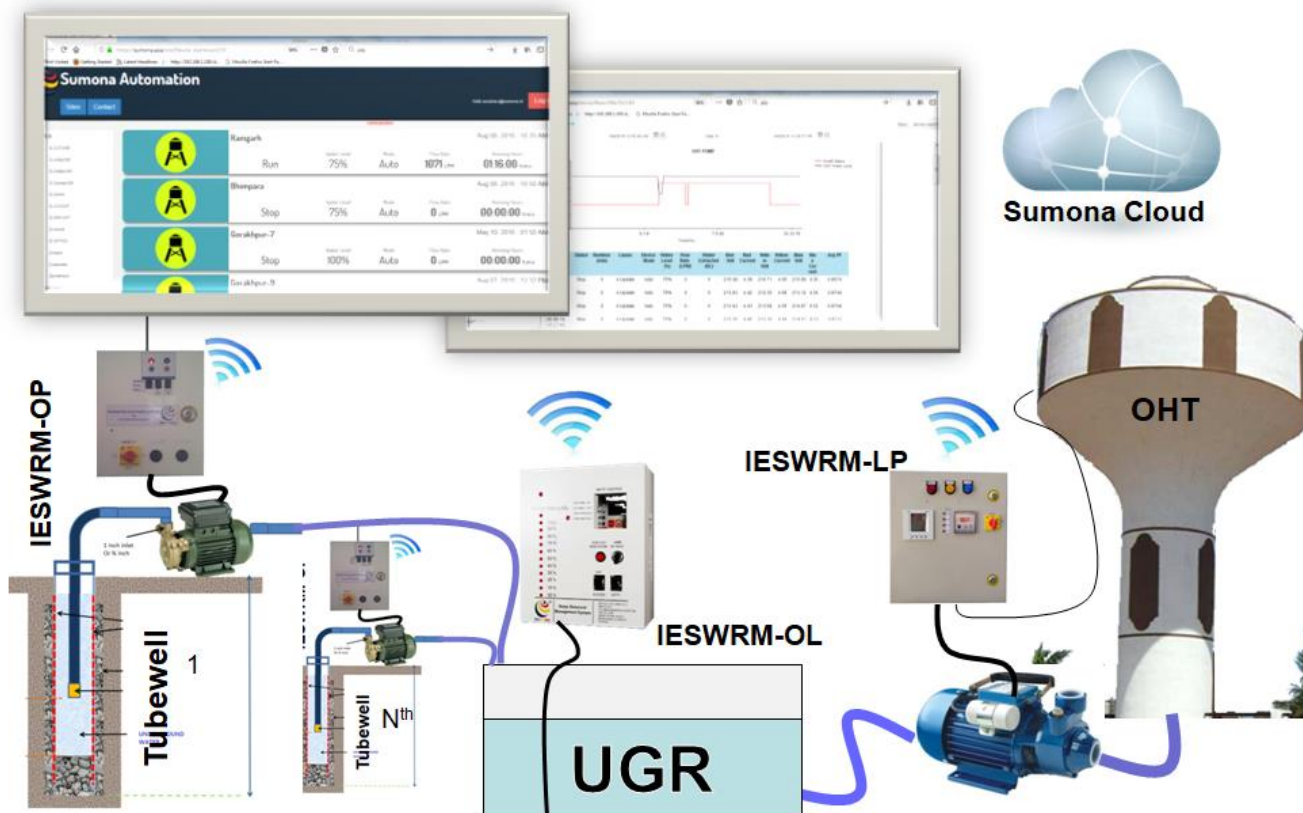


Centralized Control and Monitoring of OHT/UGR and Tubewell



Is a robust hardware and software platform through which Local Authority / Jal Nigam can remotely monitor and control its city water reservoir's from a central location. Sumona's devices are GPRS based devices which connect to the existing submersible pump starter panel and help to monitor and operate them remotely & automatically (i.e. without any human intervention). The cost of the system gets recovered within a few months from the electricity and water wastage it stops.

CCMS Features

Authorized and Secured access over cloud.

Centralized Dashboard to show the OHT, UGR and their associated pumps status in a single window.

Automatically operates every tubewell based on the water level of its attached water reservoir

Detailed report with graphical representation for every device (OHT, UGR, Pumps etc)

The report could be exported in PDF, Excel or Word document

Notification alerts over Email/SMS.

Remote operating of Pumps.

Remote configuring of Pumps.

Interface with existing water flow sensors (4-20mA)

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2712A, Corenthum Complex,
Plot A41, Sector 62,
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U.P, India.
Ph: +91-120-4248871
Website: www.sumona.in

Automation of OHT/UGR with Tubewell



Panel Features

- Appropriate rating MCB
- Configurable voltage protection for OV, UV and SPP
- Digital Multifunction Meter
- Water Level Indicator: 4 Level
- Automatic/Bypass mode pump operation
- Pump operation through touch key panel
- Automatic Start/Stop of pump as per reservoir level
- Magnetic Water Level sensors for OHT/UGR
- Configurable Delayed start of Panel on power

Controller Specifications

- High Surge protection
- Intelligent rechargeable battery backup
- Reliable 2G/3G GPRS modem with High gain
- Industrial type Antenna with 3m length
- Remote monitoring of pump's electrical parameters
- Remote monitoring of pump's running status
- Remote operating of pump
- Maximum Pump Run time
- Maximum Pump Rest time
- Remote monitoring of Water Level of OHT/UGR
- With Flow meter interface (4-20mA)
- Cloud based logging of data for CCMS

Physical Specifications

- Part Number: IESWRM-LP
- Dimensions (mm): 400x450x200

- Enclosure:** All weather, CSC Powder Coated
- Body Gauge: 16
- Mount type: Wall/Rack
- With Safety Lock

Operating Specifications

- Operating Voltage: 170-280 VAC
- Operating Frequency: 50Hz
- Operating Temp: 5-50°C
- Relative Humidity: 5-90% RH non-condensing

Automation of Water Reservoir



Panel Features

- Appropriate rating MCB
- Configurable Single phase voltage protection
- Water Level Indicator: 4 Level
- Magnetic Water Level sensors for OHT/UGR
- Configurable Delayed start of Panel on power

Controller Specifications

- High Surge protection
- Intelligent rechargeable battery backup
- Reliable 2G/3G GPRS modem with High gain
- Industrial type Antenna with 3m length
- Remote monitoring of Water Level of OHT/UGR
- Remote monitoring of Power Up/Down conditions
- Cloud based logging of data for CCMS

Magnetic Float Sensor



Physical Specifications

- Part Number: IESWRM-OL
- Dimensions (mm): 400x450x200
- Enclosure: All weather, CSC Powder Coated
- Body Gauge: 16
- Mount type: Wall/Rack
- With Safety Lock

Operating Specifications

- Operating Voltage: 170-280 VAC
- Operating Frequency: 50Hz
- Operating Temp: 5-50°C
- Relative Humidity: 5-90% RH non-condensing

Automation of Tubewell



Panel Features

- Appropriate rating MCB
- Configurable voltage protection for OV, UV and SPP
- Digital Multifunction Meter
- Automatic/Bypass mode pump operation
- Pump operation through touch key panel
- Configurable Delayed start of Panel on power

Controller Specifications

- High Surge protection
- Intelligent rechargeable battery backup
- Reliable 2G/3G GPRS modem with High gain
- Industrial type Antenna with 3m length
- Remote monitoring of pump's electrical parameters
- Remote monitoring of pump's running status
- Remote operating of pump based on water level of the associated reservoir
- AI Based pump operation incase connection with the server breaks
- Automatic Start/Stop of pump as per Max Rest Time and RUN time of the pump
- Set maximum Pump Run & Rest time
- Remote monitoring of Power Up/Down conditions
- With Flow meter interface (4-20mA)
- Cloud based logging of data for CCMS

Physical Specifications

- Part Number: IESWRM-OP
- Dimensions (mm): 400x450x200

- Enclosure: All weather, CSC Powder Coated
- Body Gauge: 16
- Mount type: Wall/Rack
- With Safety Lock

Operating Specifications

- Operating Voltage: 170-280 VAC
- Operating Frequency: 50Hz
- Operating Temp: 5-50°C

- Relative Humidity: 5-90% RH non-condensing