



PUMP HOUSE

Level, Flow, Pressure, Efficiency, motor wellness & increasing Performance



SAVE
ENERGY

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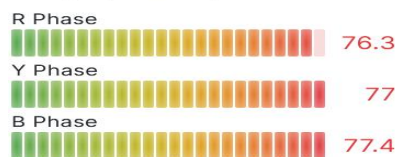
Pump House – Monitoring & Control

Pump motor – real time condition based monitoring and efficiency & performance tracking – improves the overall reliability and reduce downtime.

- The real time pump house efficiency is monitored and deviation shall be reported.
- The suction head level is monitored and NPSH is maintained and cavity formation is eliminated.
- The pump wellness parameters predicts the condition of the electro mechanical device and prevents & alerts the user well in advance.
- The pump outlet valve control operation is automatically carried out during – pump start – stop operation.
- Remote Telemetry Unit – ensures the reliable operation and the data transmission to the central monitoring & control system on real time basis.



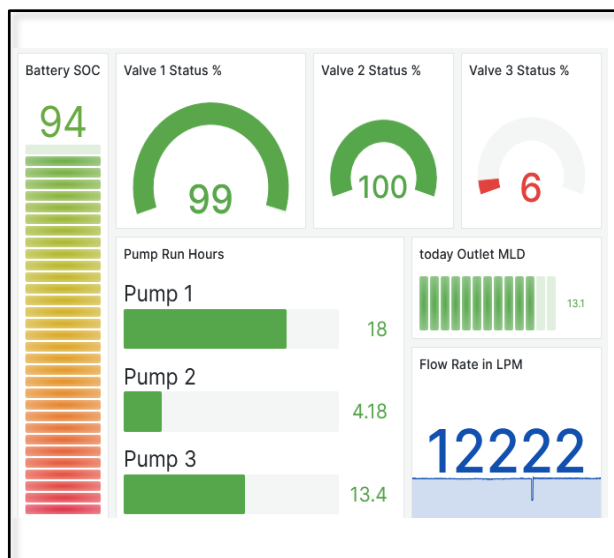
Winding Temperature Pump 1



Motor 1 - Vibration Sensor



DATA VISUALIZATION



Service Provider

Real Time Monitoring and Control of suction head, and alert the user when it is set low level.

Prevention of pump dry run operation.

Automatic Report and emailing

Thresholds based alerts

Trend, event, history – analysis

On-line monitoring of Real time-process – non process parameters

Maintaining the outlet pressure requirement.

Monitoring and reporting of any electrical anomaly.

Real time Efficiency monitoring and anomaly reporting.

Reduce down time through effective monitoring and recommendation for early maintenance.

Automatic condition predicting will leads to reduced skill level, improving intelligence and reducing down time.

Always ensuring the sufficient battery back-up of the remote monitoring and control system.

Synchronized operation with Sump, ELSR , DMA and Sub DMA Controller - water distribution system requirements.

Benefit Value



DATA VISUALIZATION

Pump house important KPI monitoring, analysing, and alerting and reporting to the user to ensure uninterrupted operation and ensures pump working on highest efficiency point



PRESSURE & FLOW Management

Ensures the required pressure and flow parameters and enable the user to operate the pump house – Demand based water distribution management system



DATA ACCESSIBILITY

Ai based Demand based distribution system ensures the effectiveness of the water reaching the consumer and improves water supply reach.

Reduce your carbon footprint and make a positive impact in your community.

