

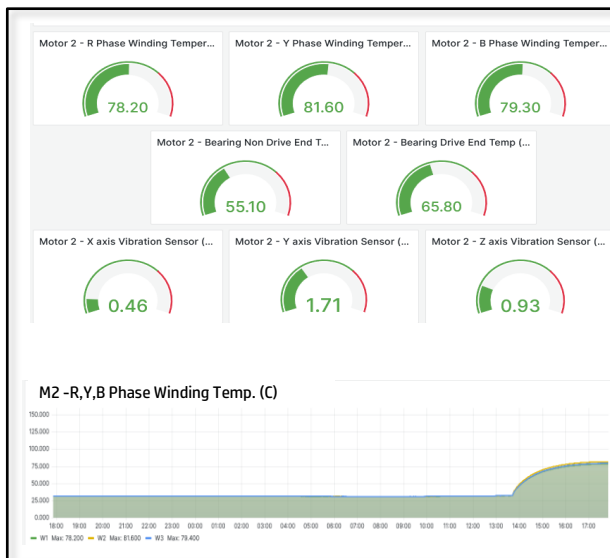
Pump & Motor – Wellness - Monitoring & Control

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

- The real time pump winding temperature, driven and non-driven motor bearing temperature, motor and pump vibration monitoring, pump seal temperatures are monitored and alerts the user if there is any anomaly in the parameters and shall be alert the user through various messaging applications and the event shall be reported.
- The unbalance, over or under voltage, over current to the pump motor also monitored and any anomaly shall be reported
- The pump wellness parameters predicts the condition of the electro mechanical device and prevents & alerts the user well in advance.
- Remote Telemetry Unit – ensures the reliable operation and the data transmission to the central monitoring & control system on real time basis.



DATA VISUALIZATION



Service Provider

Real Time Monitoring of motor wellness parameters like – pump seal temperature, bearing temperature winding temperature, motor vibration and surface temperature, etc.

Automatic Report and emailing

Thresholds based alerts

Trend, event, history – analysis

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

Monitoring and reporting of any electrical anomaly.

The harmonic impact in the motor temperature – also analysed and reported.

Real time Efficiency monitoring of all electrical parameters and anomaly reporting.

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

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

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

The idle or stand-by motors winding temperature is monitored and motor space heater is switched ON to eliminate moisture based winding insulation damage.

Benefit Value

DATA VISUALIZATION

Pump Wellness important KPI parameters are acquiring monitoring, analysing, and alerting and reporting is performed in real time basis, to ensure uninterrupted operation and ensures pump working on highest performance.

WELLNESS PARAMETERS

Based on the pump wellness parameters – ensures the pump – motor reliable operation and user can preplan the maintenance activity well in advance (before failures)

DATA ACCESSIBILITY

AI based system analysing all the acquired parameters and predicting and forecasting the anomaly in the system and predicts the possible failures and warns the user well in advance

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

