XPump

Real-Time Pump Monitoring System

AI/ML Monitoring based pump monitoring and predictive maintenance system

XPump is a cutting-edge, AI/ML-based solution designed for real-time monitoring and predictive maintenance of pumps. It continuously tracks critical parameters like vibration, temperature, and voltage, providing early warnings to prevent failures and optimize performance. XPump integrates seamlessly with your existing systems, enhancing operational efficiency and reducing downtime and maintenance costs.

Benefits Of XPump

- Proactive System - Continuous Monitoring Of the Health Of Pumps And All Motor-based Devices And Advanced Notifications Of Weeks Before Their Failure
- Use of Advanced Proprietary AI/ML Models for Accurate Predictions
- Works on All Pump Types and Motor-based Devices Regardless of Manufacturer
- Huge Cost Savings in Repair Cost
- Continuous Monitoring of Energy Use and Cost Savings
- Email and Text Message Notifications
- Improved OEE & Equipment Up-time
- Improved Mean Time to Repair (MTTR)
- Lower Equipment Maintenance Cost

Features of XPump

- Turnkey solution – comes with all required hardware and software
- SECS/GEM support & other connectivity to factory systems such as SCADA, MES, etc.
- Works on all types of pumps, exhausts, blowers and motors as well as all motor-based devices
- Cloud based and on-premise options

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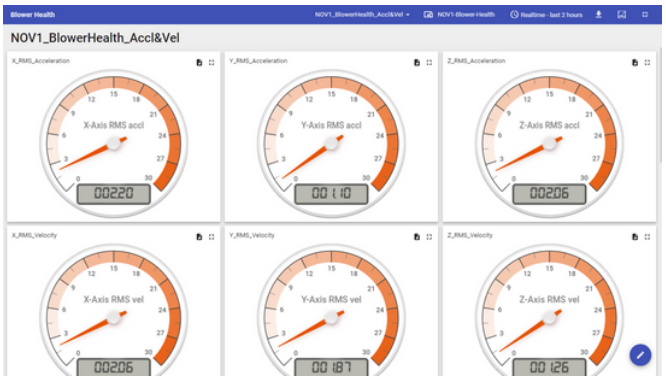
Case Study

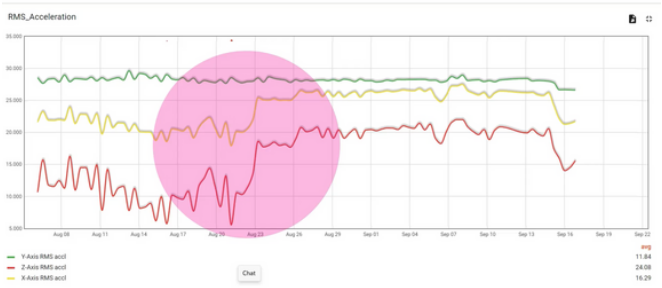
Introduction: Our client, a leading industrial facility, sought to optimize their maintenance practices and reduce downtime. By implementing XPump, an advanced lubrication pump system, they aimed to streamline operations and improve efficiency.

Challenge: Frequent maintenance downtimes, especially in oil tank lubrication, disrupted operations and hindered productivity.

Solution: The client integrated XPump to enhance lubrication processes, targeting a reduction in maintenance interruptions.

Implementation: XPump was smoothly installed into the client's system with custom configurations, ensuring minimal disruption during the transition.





Results

- **Reduced Downtime:** Maintenance downtime was cut by 5 hours, significantly boosting operational efficiency.
- **Increased Productivity:** With less downtime, overall productivity and task efficiency improved.
- **Cost Savings:** The reduction in downtime led to substantial savings on operational and maintenance costs.

Applications Of XPump


Vacuum Pumps


Blower Pump


Dry Vacuum Pump


Abatement


Cleanroom Hvac


Pipe Leaks


Cassette Loader


Fan and Blowers


Cabinet Exhausts


Robots

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