

Predictive Maintenance Sensors Program Application

White Paper – Monty Sunderland - NTS

YoSmart's Sensor products will evolve your company's preventive maintenance program to the next diagnostic level - Predictive Maintenance.

Predictive Maintenance (PdM) is one of three leading maintenance strategies used by businesses, the others being Reactive Maintenance which fixes failures when they occur, and Preventive Maintenance which relies on a predefined maintenance schedule to identify faults.

*Because **predictive maintenance is proactive** it enhances preventive maintenance by providing continuous insights on the actual condition of the equipment rather than relying on the expected condition of the equipment based on a historical baseline. Predictive Maintenance considers the actual utilization of the equipment instead of working from a fixed PM schedule, allows you to schedule maintenance at a convenient time that is close to the expected failure time of the motor or equipment. This controls Maintenance Costs and unexpected equipment downtime!*

Predictive maintenance is carried out when there is a need to do so, i.e., sensor fault detections. This avoids incurring unnecessary maintenance costs and machine and production downtime. All accomplished using YoLink Smart wireless sensors systems for Water / leak detection, Temperature & Humidity, Vibration / Shock, Contact, Smoke / CO Sensors all communicating with YoLink Lora Technology Hub and App. Allowing you to start your company's Predictive Maintenance program now.

Example: How to begin your PdM program? Pick out the top one to three equipment failures that you want to prevent failure on. This starts your discovery process of building your Predictive Maintenance simple analysis model. Using YoLink sensors will identify the data that helps you identify the failures trends. Combine that data into a simple analytical graph chart / model that you chose. Then build your Predictive Maintenance analytical model for each family of equipment. This approach allows you to start small, on your budget, and build your site-specific predictive maintenance program while lowering maintenance and downtime costs.

All accomplished by collecting data from YoLink sensors, providing the right information at the right time to the right people, through YoLink sensors and LoRa technology. Predictive maintenance save your company's significant Maintenance and Down Time costs. You can install any YoSmart sensors, HUB & App for your Predictive Maintenance program. Contact us today for more information on our budget-friendly Predictive Maintenance solutions.

YoLink's Whole Building Device Control has proactive Smart Building Features and Proactive Management Capabilities, using our Raedius Web Console! Raedius was designed to allow you to realize the full potential of your YoLink system by supporting any number of devices at any number of locations. Whole Building Device Control with YoLink Hub's LoRa® technology with a range of ¼ mile (1320 feet), Smart App active 24/7 monitoring capabilities, email notifications, record retention, is easy to use and to install. Hub has a unique Control-D2D device-to-device pairing, you create links between one device and up to 128 other devices. One Hub can control 300+ devices. Once a pairing relationship is set, the devices will respond accordingly, even if WiFi, internet, or power is out.

Contact us today, Kevin@YoSmart.com or Monty@Yosmart.com