**Predictive Maintenance Landing Page**

Use the copy below is create a dedicated landing page on your website focused on the topic of predictive maintenance solutions from Omron. In using these materials, make sure you properly hyperlink back to the Omron website.

[Insert Omron Logo]

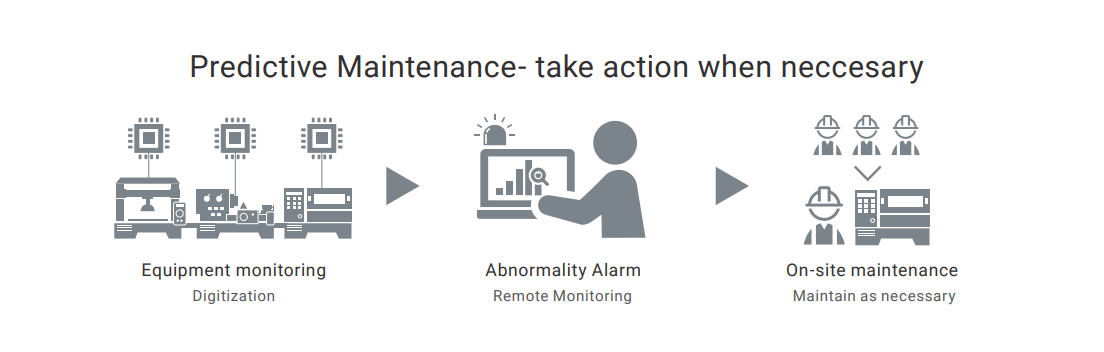
Suggested Landing Page Titles:

* **Predictive Maintenance: A Better Approach to Machine Maintenance**
* **Why Should You Embrace Predictive Maintenance?**
* **Predictive Maintenance Explained**

Wouldn’t it be great if your equipment could tell you when it needs maintenance or warn you of an upcoming failure before it happens? Since aging equipment and worn components are a leading cause of premature failure and unplanned downtime, having the right maintenance solutions in place helps companies like yours detect and act upon potential equipment failures before they result in unplanned downtown and major expenses. With that in mind, let’s explore the topic of Predictive Maintenance in more detail.

**Why is “Predictive Maintenance” Different?**

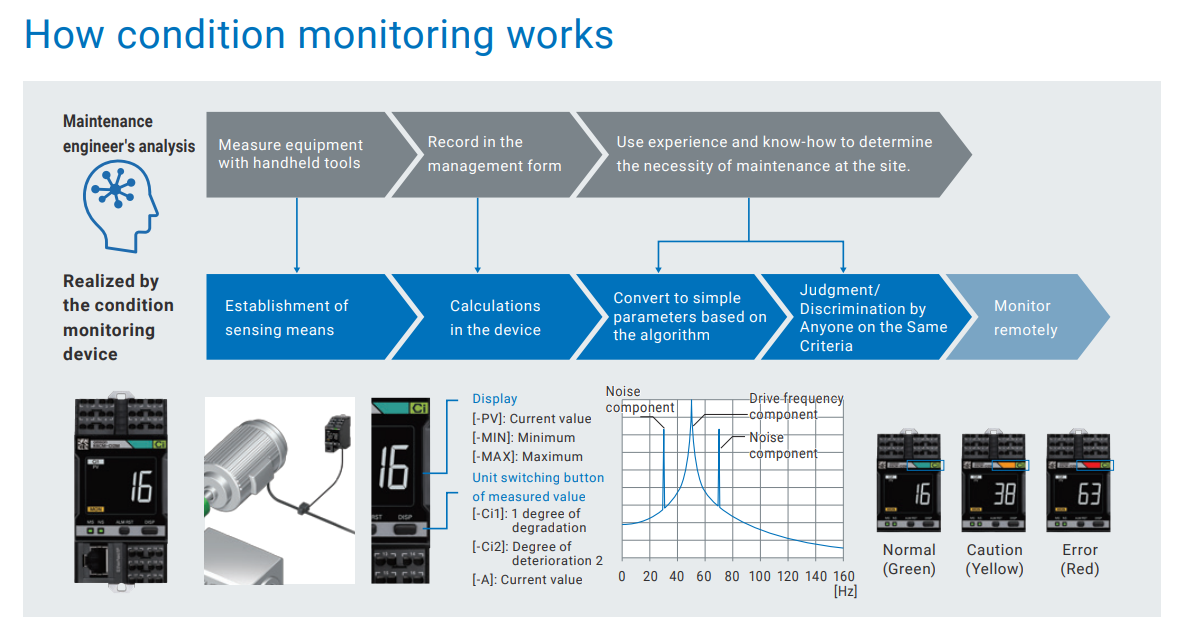
Traditional preventive maintenance methods take place at scheduled time intervals and require skilled workers to complete time-consuming inspection processes that increase overall costs. Other challenges include problems arising in-between inspection dates (which are often unaccounted for) and the premature replacement of equipment.



Predictive maintenance, on the other hand, is a proactive strategy that involves evaluating your equipment’s condition through continuous monitoring. The goal is to use real-time data collected on the factory floor to identify and address any abnormalities before it results in a failure. With this approach, the frantic search for replacement parts and the hefty expense that comes with unplanned downtime is significantly reduced or even eliminated. Instead, manufacturers can make data-driven decisions that reduce unnecessary expenses, maintain regular operations, and account for the lifetime of the machinery.

**How does Predictive Maintenance Work?**

Using condition monitoring sensors, plant managers and maintenance personnel are able to automate manual processes such as equipment monitoring and condition measurement. This begins by establishing a connection between the sensor that’s attached to machine and a monitoring unit such as a vibration and temperature monitor or thermal camera monitor. By connecting these components together, the data collected by the sensors can now be analyzed and interpreted.



With built-in algorithms that analyze sensor data, these monitoring units can detect if an abnormality or “condition of concern” is present. From here, the unit alerts the user to the abnormal condition through a local alarm bar, transistor output, or the free IIoT remote monitoring software via the device’s Ethernet IP port. By automating the measurement and analysis of condition through sensors and monitoring units, users are able to detect and act upon abnormal equipment conditions before failure occurs. This results in reduced reliance on skilled labor, significant reduction in maintenance expenses, and the near elimination of costly unplanned downtime.

**Is Predictive Maintenance Right for You?**

When factoring in the cost of integrating a predictive maintenance solution versus maintaining a preventive maintenance strategy, it truly boils down to a few simple questions, “How much unplanned downtime can you afford?” and “Can you optimize your overall maintenance spend?” In an environment where demand for goods is at an all-time high while skilled labor is on a decline, the added expense of component failures that halts a machine mid-production or excessive labor cost from manual inspections significantly impacts your bottom-line. For industries such as automotive, unplanned downtime or unplanned maintenance can cost the manufacturer thousands of dollars per hour. If preserving your resources and reducing unnecessary expenses is important, than a discussion around predictive maintenance products is warranted.

**Why Choose Omron for Predictive Maintenance?**

Whether it’s retrofitting onto existing equipment or planning for a new production line, [Omron](https://automation.omron.com/en/us/) makes it easy with a great selection of predictive maintenance products. As an industry leader with technology that is integrated, intelligent, and interactive, Omron empowers manufacturers worldwide with holistic automation solutions for a variety of applications. [Predictive maintenance solutions from Omron](https://automation.omron.com/en/us/solutions/predictive-maintenance/) can help you:

* Maintain regular operations and avoid disruptions caused by equipment failure
* Reduce operating expense by providing maintenance only when needed with condition monitoring and analysis
* Reduce added expenses and impact associated with skilled labor shortage

**Explore the Omron Predictive Maintenance Product Family**

**S8VK-X Power Supply**



This single-phase power supply provides a live feed of condition and detects abnormal DC load conditions along with calculating remaining power supply life. Its user-friendly local display provides easy status visualization at the control panel but can also be monitored remotely over EthernetIP with the included PC monitoring software. [if applicable, add link to product page]

**K6CM Motor Condition Monitor**



The K6CM is the latest motor condition monitoring device with the ability to quantify the status of three-phase induction motors. With built-in EtherNet/IP & Modbus TCP communication you can remotely monitor motor load abnormality through current variation, bearing wear through vibration & temperature, or “motor-on” insulation resistance monitoring depending on the model selected. The K6CM provides 24/7 monitoring to guard against motor failure by performing multiple checks and alerting users of abnormalities through its local display or remotely using included software. This device allows the user to perform predictive maintenance, respond quicker to issues, and reduce operational costs.

[if applicable, add link to product page]

**K6PM Thermal Condition Monitor**



The K6PM is a thermal imaging camera that analyzes temperature of objects within view over time and detects abnormal thermal conditions before they become serious. Its digital display and alarm bar allow operators of all experience levels to respond to issues. Similar to the other products, this also has a local display and remote monitoring capability using EthernetIP and free software.

[if applicable, add link to product page]

**Resources**

* S8VK-X Brochure: <https://assets.omron.com/m/3d59bf9a437cf57e/original/S8VK-X-Product-Brochure.pdf>
* S8VK-X Success Story: <https://assets.omron.com/m/50aef9e450fc6f1/original/S8VK-X-Automotive-Manufacturer-Success-Story.pdf>
* K6CM Brochure: <https://automation.omron.com/en/us/products/family/K6CM>
* K6CM Success Story: <https://assets.omron.com/m/5c77ec3e39b6570b/original/K6CM-Motor-Condition-Monitoring-Success-Story.pdf>
* K6PM Product Guide: <https://assets.omron.com/m/6c5557bd730795c3/original/K6PM-Product-Overview-Guide-Customer-Version.pdf>
* K6PM Series Brochure: <https://assets.omron.com/m/64d2dea3db74661c/original/K6PM-Series-Brochure.pdf>
* Predictive Maintenance Brochure: <https://assets.omron.com/m/cb06b9147c514b7/original/Predictive-Maintenance-Brochure.pdf>
* K7GE Brochure: <https://assets.omron.com/m/79176425f917b007/original/K7GE-Series-Motor-Insulation-Resistance-Monitor-Product-Brochure.pdf>

**Related Videos**

* OMRON Predictive Maintenance Solutions:<https://www.youtube.com/watch?v=IOzxRYRB2r4>