

Understanding the Value of Predictive Maintenance

In the manufacturing world, improving the utilization of assets and increased productivity are among the most important goals. Reliable assets reduce downtime, improve production quality and get product out the door faster.

Two types of downtime

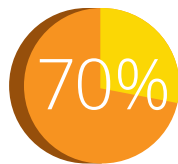


Scheduled:
Routine maintenance and cleaning, installing updates, etc.

Unscheduled:
Repairs to equipment that has stopped performing its assigned function or is performing its function inadequately.



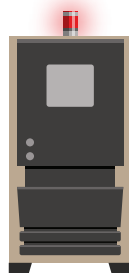
Don't bring me down



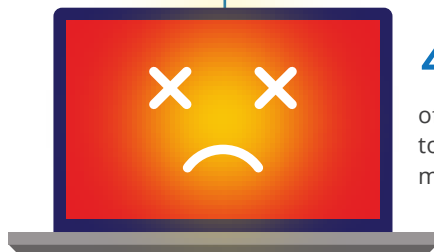
70% or more companies lack awareness of when equipment is due for maintenance, upgrade or replacement.



46% of downtime is due to machinery failure/malfunction.



40% of downtime is due to software failure/malfunction.



Tell me where it hurts

Poorly maintained equipment results in lost production time and lost profits. Unscheduled repairs are costly. Some studies indicate that repairs account for 15% of total expenses.





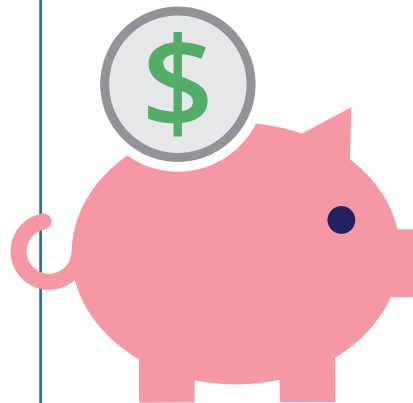
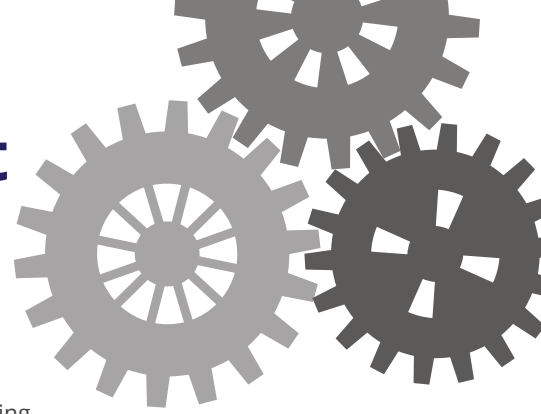
Predictive maintenance...

tell me something good

Installing predictive maintenance equipment helps to determine the condition of your process. The right system provides actionable intelligence, which warns of impending failure if reported issues are not addressed.

Does it really work?

The ideal predictive maintenance system will allow for scheduling of maintenance prior to equipment failure, which will help to eliminate unplanned downtime, reduce repair costs and equipment failures and slow asset deterioration.



Does it really save money?

Not only is a predictive maintenance program far less expensive than a reactive program – some studies claim up to 40% less expensive, but for every \$1 spent to improve equipment there is a \$5-10 return to the bottom line.

But, is it really easy to install?

MachineSense's wearable-solutions all non-invasively upgrade today's equipment today. We make it super simple and inexpensive to upgrade your existing equipment with easy-to-attach component and electrical sensors that monitor critical systems and assets.



Start me up



The most effective approach is to use a predictive maintenance solution that readily installs to your existing equipment and has a powerful analytics software package that will collect data from your monitored equipment in real time, compare the data with established baselines, assess the condition of the equipment and use analytics to effectively manage maintenance activities.

With MachineSense, you'll know exactly what's going on with your machines so that you can avoid unplanned downtime and dramatically increase productivity and profits. Ask us how we can help implement a predictive maintenance program for you today!

