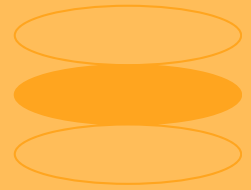# MAINTENANCE MATURITY CHECKLIST

Where does your team stand?

Level 1: Reactive Stage

In the Reactive Stage, maintenance is primarily performed in response to equipment failures. This stage is characterized by unplanned downtime and high repair costs.

☐ Maintenance is performed only when equipment breaks down.

☐ Downtime is frequent and unpredictable.

☐ Maintenance costs are high and difficult to control.

☐ There is little or no documentation of maintenance activities.

☐ Maintenance is viewed as a necessary evil rather than a value-added activity.

☐ Lack of spare parts inventory management.

☐ High reliance on overtime to address breakdowns.

Level 2: Preventive Stage

In the Preventive Stage, maintenance is performed on a scheduled basis to prevent equipment failures. This stage is characterized by reduced downtime and lower repair costs compared to the Reactive Stage.

☐ Maintenance is performed according to a predetermined schedule.

☐ Downtime is reduced compared to the Reactive Stage.

☐ Maintenance costs are lower and more predictable.

☐ Basic documentation of maintenance activities is maintained.

☐ Maintenance is viewed as a way to prevent problems rather than fix them.

☐ Basic spare parts inventory management is in place.

□ Scheduled maintenance tasks are performed regularly, but may not be optimized.

Level 3: Predictive & Data-Driven Stage

In the Predictive & Data-Driven Stage, maintenance is performed based on the condition of equipment. This stage is characterized by further reductions in downtime and repair costs, as well as improved equipment reliability.

□ Maintenance is performed based on the condition of the equipment.

□ Downtime is significantly reduced compared to the Preventive Stage.

□ Maintenance costs are lower and more predictable.

□ Detailed documentation of maintenance activities is maintained.

□ Data analysis is used to identify potential equipment failures.

□ Maintenance is viewed as a way to optimize equipment performance.

□ Predictive maintenance technologies (e.g., vibration analysis, oil analysis) are utilized.

□ CMMS or other maintenance management software is used to track maintenance activities and analyze data.

Level 4: Optimized Stage

In the Optimized Stage, maintenance is fully integrated with the business and is viewed as a key driver of profitability. Minimal downtime, the lowest possible repair costs, and maximum equipment reliability characterize this stage.

□ Maintenance is fully integrated with the business.

□ Downtime is minimized.

□ Maintenance costs are optimized.

□ Comprehensive documentation of maintenance activities is maintained.

□ Data analysis is used to improve maintenance processes continuously.

□ Maintenance is viewed as a key driver of profitability.

□ Advanced analytics and machine learning are used to predict equipment failures and optimize maintenance schedules.

□ Maintenance activities are aligned with overall business goals.

□ Proactive approach to identifying and addressing potential issues before they impact operations.

Your Next Step

Level 1 (Reactive Stage):

- Implement a basic preventive maintenance program. Start by identifying critical equipment and developing a schedule for regular inspections and maintenance tasks.
- Begin tracking maintenance activities and costs to identify areas for improvement.

Level 2 (Preventive Stage):

- Explore the use of condition monitoring technologies to transition to a predictive maintenance approach.
- Invest in a CMMS or other maintenance management software to improve data collection and analysis.
- Optimize PM schedules based on data and equipment performance.

Level 3 (Predictive & Data-Driven Stage):

- Expand the use of predictive maintenance technologies to cover more equipment.
- Develop advanced analytics capabilities to identify patterns and predict equipment failures with greater accuracy.
- Integrate maintenance data with other business systems to improve decision-making.
- Focus on optimizing maintenance processes to further reduce downtime and costs.

Level 4 (Optimized Stage):

- Continuously monitor and improve maintenance processes to maintain a high level of performance.
- Explore the use of emerging technologies such as AI and machine learning to optimize maintenance activities further.
- Benchmark your maintenance performance against industry best practices.

Learn more at www.ezo.io/ezo-cmms

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