

Common Preventive Maintenance KPIs

Metric	What it is	What it measures	Why it is used	How to calculate it	World-Class Benchmark
PMP	Planned Maintenance Percentage	The amount of time spent on planned maintenance activities within a given timeframe.	To measure the balance between preventive and reactive maintenance work.	$(\text{Planned maintenance hours} \div \text{Total maintenance hours}) \times 100$	>90% ¹
PMC	Preventive Maintenance Compliance	The adherence to preventive maintenance work order schedules within a given timeframe.	To measure the maintenance team's ability to complete preventive maintenance work orders on time.	$(\text{Total completed PM work orders} \div \text{Total scheduled PM work orders}) \times 100$	100% ¹
Skipped PM Percentage	Skipped Preventive Maintenance Percentage	The amount of preventive maintenance work orders that were scheduled, but intentionally disregarded, within a given timeframe.	To identify underlying issues in the maintenance process such as poor communication, over-maintenance, and improper resource allocation.	$(\text{Total skipped PM work orders} \div \text{Total scheduled PM work orders}) \times 100$	<2%
SMCP	Scheduled Maintenance Critical Percentage	The lateness of overdue preventive maintenance work orders relative to their scheduled recurrence interval.	To measure the risk associated with overdue preventive maintenance work orders.	$((\text{Number of days the work order is late} + \text{Number of days in PM cycle}) \div \text{Number of days in PM cycle}) \times 100$	0% for preventive maintenance work orders on critical assets

Sources:

1. How to define world-class maintenance. (2014, November 6). Reliable Plant. <https://www.reliableplant.com/Read/29941/world-class-maintenance>