

# Reliability target

Questions to Ask Before Formulating Maintenance KPIs

What are the objectives? How will they be achieved? Who will act on the data?

What is Mean Time Between Failure (MTBF)?

All machines will eventually fail. Mean time between failure (MTBF) depicts the expected time between two failures for a repairable system. Simply...

Benefits of Tracking MTBF:

Optimize preventive maintenance scheduling: Predict how often failures will occur during production. Enables estimates on when an asset might fail...

How do you Calculate MTBF?

You can calculate MTBF by taking the total time a machine is running (uptime) and dividing it by the number of breakdowns during that same period....

What is Mean Time to Failure (MTTF)?

Mean time to failure (MTTF) measures equipment reliability and the time between one failure and the next. It is the mean time anticipated until the...

Benefits of Tracking MTTF

Determine the asset's reliability based on measurements, Make data-driven, objective repair or replace decisions

How do you Calculate Mean Time to Failure (MTTF)?

Calculate mean time to failure (average time to failure) by dividing the total number of hours of operations by the total number of machines in use...

What is Mean Time to Repair (MTTR)?

Mean time to repair (MTTR) measures the maintainability of repairable machines and components. It calculates the average time to fix a failed asset...

How do you Calculate MTTR?

Calculate mean time to repair by adding up how much time was spent on a repair divided by the number of repairs.  $MTTR = \text{Total time spent on repairs} / \text{Number of repairs}$ ...

Benefits of Tracking MTTR

Understand the operation's capacity to react to failures: Identify frequent repair instances and plan accordingly. Measure against previous MTTR to...





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