

OEE

(Overall Equipment Effectiveness)

In Practice



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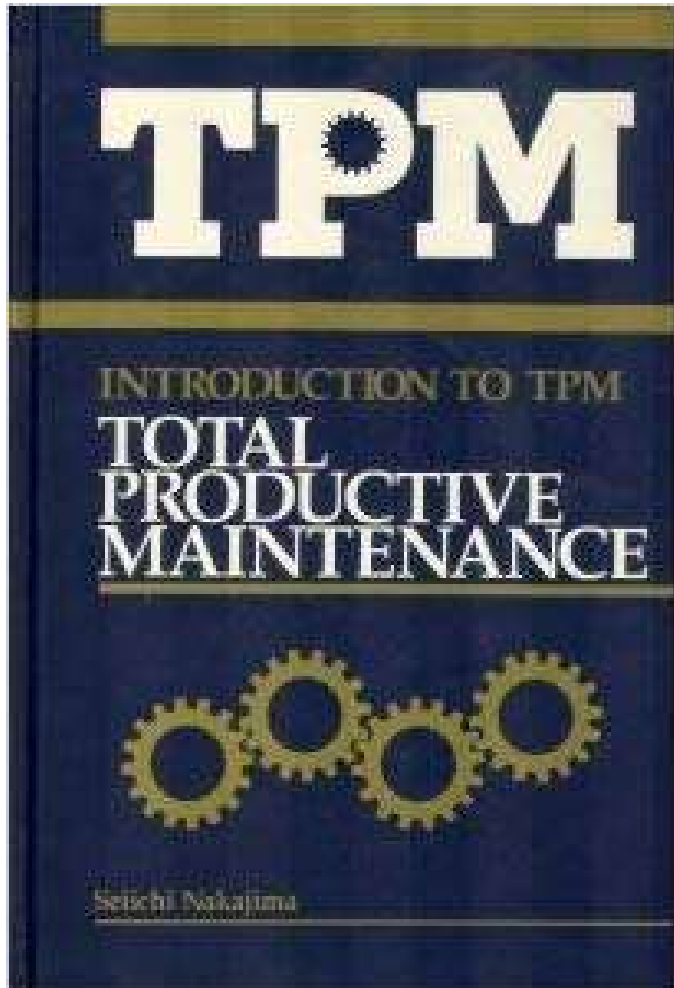
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OEE (Overall Equipment Effectiveness)

WHAT IS OEE?

OEE (Overall Equipment Effectiveness) is a “best practices” metric that identifies the percentage of planned production time that is truly productive.

An OEE score of 100% represents perfect production: **manufacturing only good parts, as fast as possible, with no downtime.**

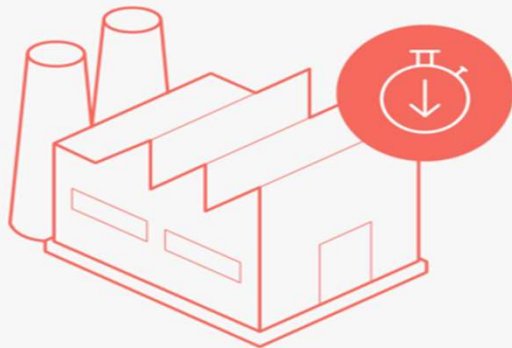


The term OEE was first used by Japanese maintenance consultant and teacher Seiichi Nakajima in the 1960s. He is commonly referred to as the “Father of TPM” and he stated that continuous improvement of OEE is one of the main goals of TPM (**Total Productive Maintenance**).

WHY OEE BECOME IMPORTANT?

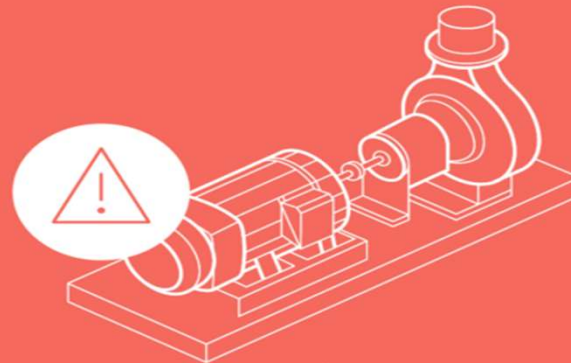
\$56B

Annual cost of unplanned manufacturing downtime



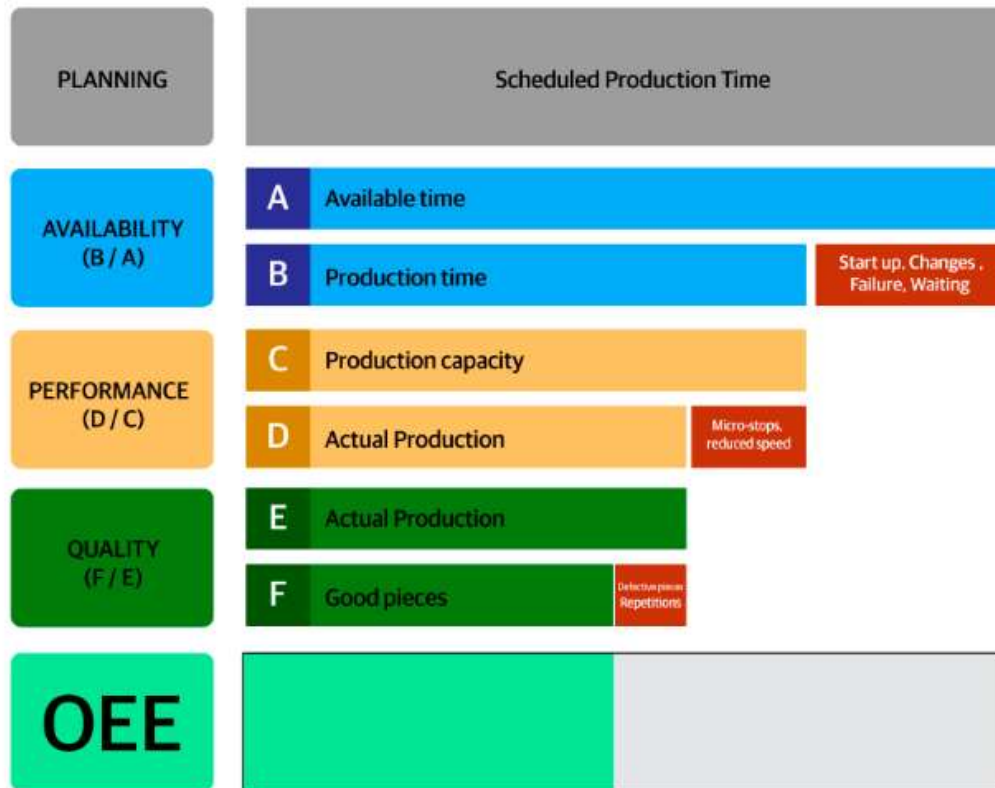
42%

Of unplanned downtime caused by asset failure



Source: partners.wsj.com

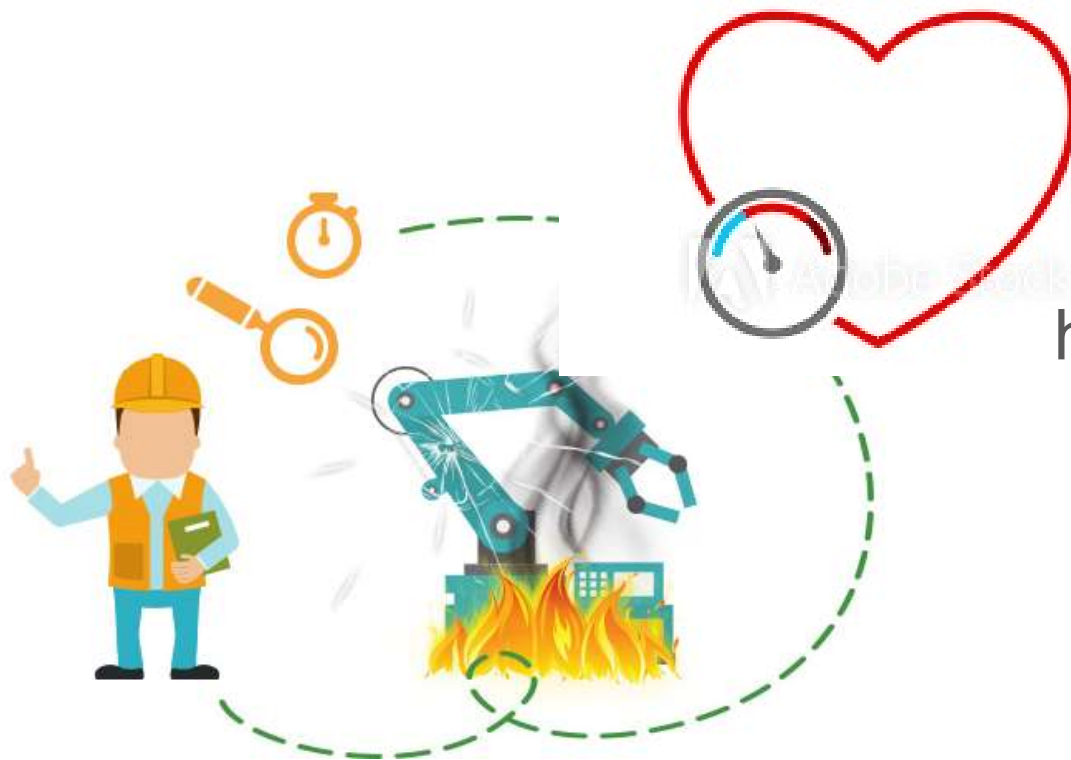
OEE and Why It's IMPORTANT?



By optimising OEE, you can :

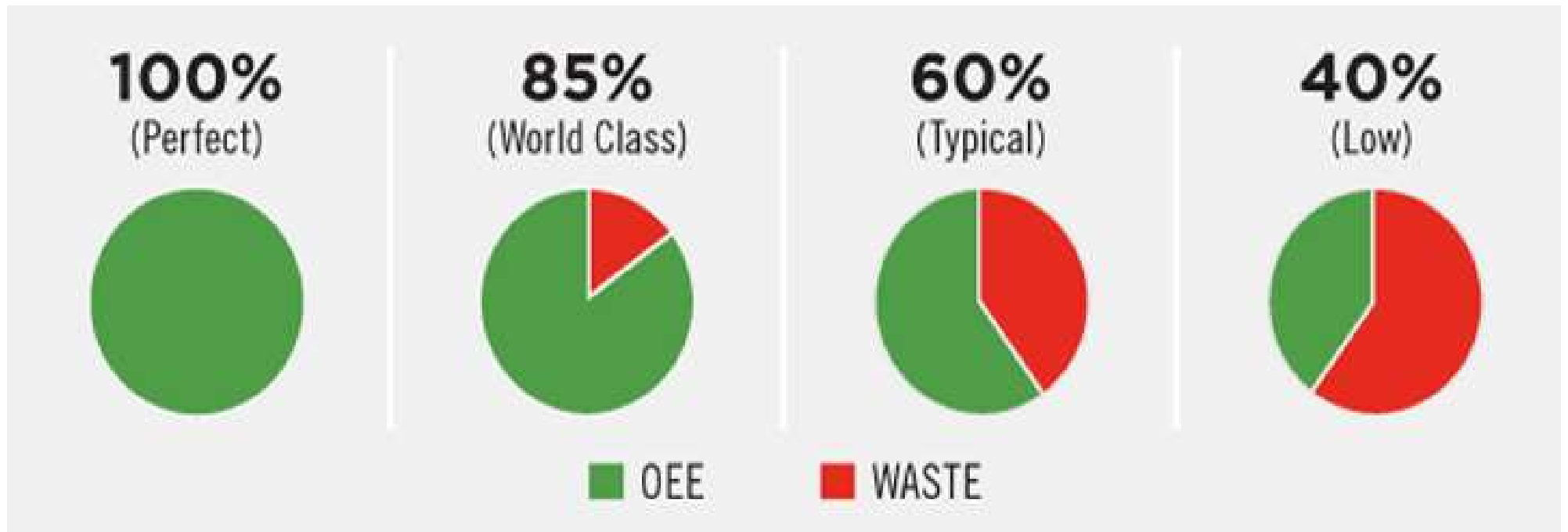
- Increase capacity,
- Reduce costs,
- Improve quality,
- Increase efficiencies

Why MEASURING OEE?

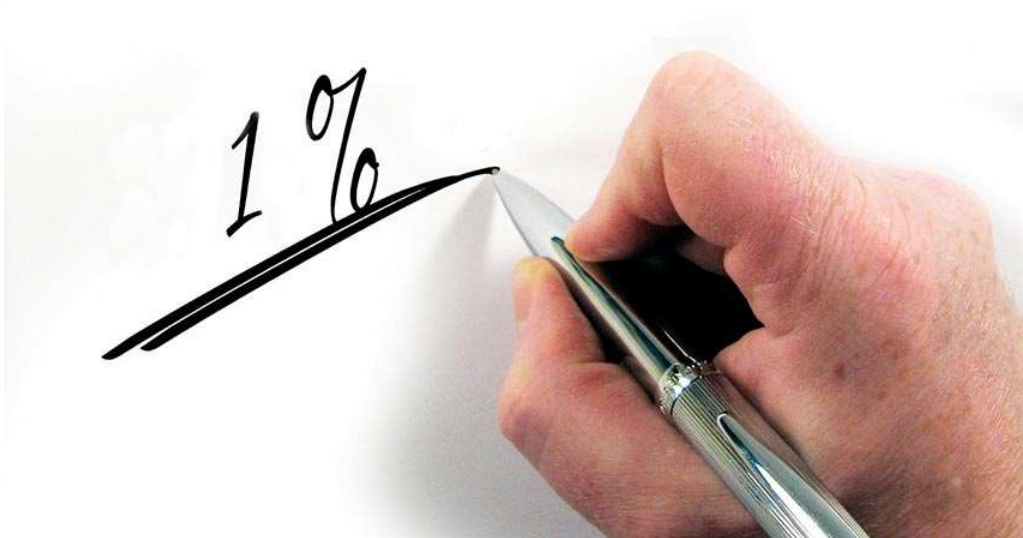


Measuring OEE gives manufacturers improved visibility into individual asset health, helps drive down costs, and improves both asset and process effectiveness.

Improve OEE means Reduce Waste



OEE and the 1% effect



Increment 1% OEE This improvement resulted in savings of :

- €50 per hour or
- €1200 for that day. five days a week, equates to
- €300,000 in annual savings.

*example taking data from a **real company** in the automotive sector

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