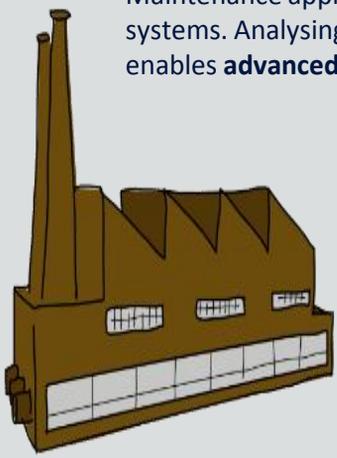


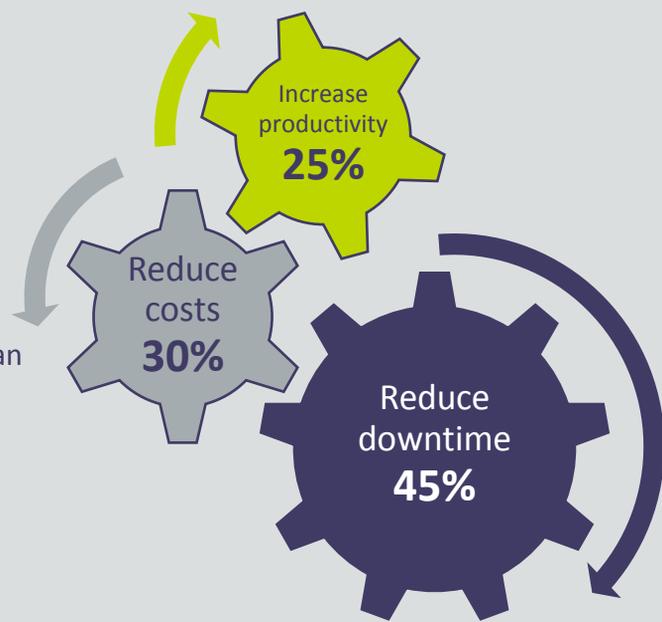


Maintenance approaches are evolving due to the massive influx of data generated by modern industrial systems. Analysing this data enables the **early identification** of future faults and failures. This knowledge enables **advanced scheduling** of resources and repairs to **optimise productivity** and output.



Referred to as **Predictive Maintenance**, this modern approach to scheduling has been maximising return while reducing overall costs.

Reduced costs by more than **\$2million**
for every **0.1%** improvement in production efficiency



Predictive Maintenance detects minor anomalies and failure causes to identify the assets and operational processes at **greatest risk of failure**.



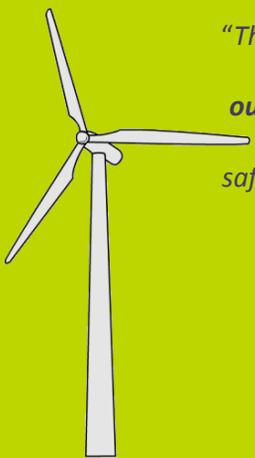
Reduce Breakdown **75%**

Predictive Maintenance has enabled **automobile manufacturers** to experience:

80% reduction in scrap in 10 weeks	50% reduction in defects in 12 weeks	30% of defect causal factors identified within first 2 days	2% first time quality projected improvement, saving \$900K per paint shop per year
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Provide early warnings of failures up to **30 hours before they occur** instead of 30 minutes. —Israel Electric Corporation



*"The ability to predict where failures are most likely to occur ultimately leads to **fewer outages**, less emergency maintenance work, and **greater total production** ... ensuring a safe, efficient and reliable supply of electricity to the National Grid while **keeping our costs as low as possible.**"*
— Neil Douglas, Head of IT, Infinis



75% Reduction in Fuel Costs



IBM Bromont identifies 97% of fault patterns automatically, saving hundreds of thousands of dollars per year. They also identified that controlling humidity at one point improves overall product quality. Delivering a **160% return on investment**

Predictive Maintenance:

Avoids unnecessary work and safety issues	Avoids downtime and unnecessary equipment failures	Enables optimal resource planning	Optimises planned outages to maximise production schedules	Helps satisfy regulations	Helps to Identify faulty equipment when it is still under warranty
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Decreases Costs and Maximises Revenues