

## Outpace Change

# Future-Ready Predictive Maintenance

"82% of companies have had unplanned downtime in the past 3 years costing as much as **\$260K / hour** with outages lasting an average of 4 hours".<sup>1</sup>

The use of Artificial Intelligence for predictive maintenance has a potential savings of **\$500B – \$700B** annually<sup>2</sup>

## MOVING FROM REACTIVE TO PREDICTIVE AND PRESCRIPTIVE

...can significantly impact these main business objectives

### Optimize Business Operations

- Reduce unplanned downtime
- Improve efficiency and productivity
- Improve safety on the factory floor

### Exceed Customer Expectations

- Ensure better product quality
- Introduce new business models and services
- Anticipate failures and enhance customer experience

### Drive Profitability

- Reduce maintenance, labor and material costs
- Optimize asset lifecycle cost

## ORACLE'S FUTURE-READY PREDICTIVE MAINTENANCE SOLUTION

Harnesses the power of IoT, Big Data and Artificial Intelligence to increase equipment reliability and uptime while reducing overall maintenance costs.

The solution uses predictive analytics to predict asset failure and reliable lifespan. Actionable insights trigger prescriptive workflows to take pre-emptive action and optimize maintenance.



## OUTPACE CHANGE WITH ACTIONABLE INTELLIGENCE

### Collect and Monitor

Collect data and seamlessly transform assets into digital twins. Intelligently monitor the assets' health, location, and utilization with IoT Asset Monitoring Cloud.

### Analyze and Predict

Use advanced analytics and machine learning algorithms to predict failures before they happen and optimize maintenance planning.

### Innovate and Optimize

Continue to refine maintenance prescriptions with predictive data. Leverage Oracle's modern cloud platform with out-of-box integrations to ERP, Costing, Planning, Inventory, Procurement.

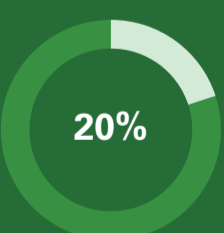
### Execute Optimal Maintenance

Apply automation and artificial intelligence to turn insights into prescriptive actions. Use data to make decisions in real time and realize Industry 4.0 value.

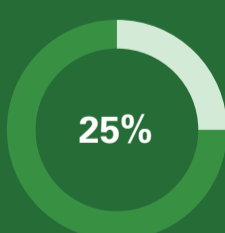
## THE VALUE OF PREDICTIVE MAINTENANCE

The benefits of predictive maintenance are dependent on the industry or even the specific processes that it is applied to. However, predictive maintenance on average:<sup>3</sup>

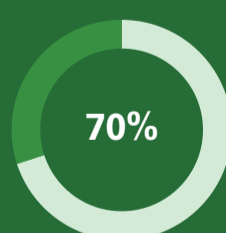
Increases Equipment Uptime by



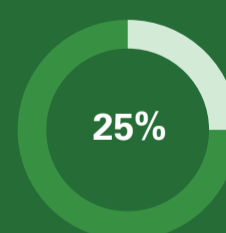
Increases Productivity by



Reduces Breakdowns by



Lowers Maintenance Costs by



## WITH ORACLE THE TIME IS NOW

**Maintenance**  
Optimize asset lifecycle leveraging Artificial Intelligence.

**IoT Asset Monitoring**  
Monitor assets in real time and improve profitability

**Finance and Cost**  
Understand current and lifecycle cost to operate and maintain assets.

**Supply Chain**  
(Logistics, Inventory, Procurement)  
Optimize parts logistics and ensure proper maintenance planning



[Click Here to Learn More](#)

<sup>1</sup> Source: Aberdeen, The (Rising!) Cost of Downtime, 2016

<sup>2</sup> Source: McKinsey, Visualizing the uses and potential impact of AI and other analytics, 2018 (aggregated globally and industry wise)

<sup>3</sup> Source: Deloitte "Predictive Maintenance Taking pro-active measures based on advanced data analytics to predict and avoid machine failure" 2017