



# Elevating Operations: The Power of Combining Predix Industrial Applications

Predix Manufacturing Execution Systems (Predix MES) reduces production disruptions. Now move beyond tracking production and enable predictive maintenance (PdM) for a continuous loop of improvement with Predix Asset Performance Management (Predix APM).



## Predix APM uses equipment data to improve plant operations



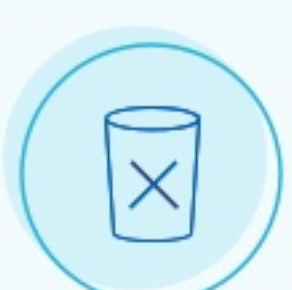
Increased throughput

+



Fewer disruptions

+



Less waste

Unplanned downtime costs plastic manufacturers

**12,000** per hour

## Predix APM predicts equipment health in near real-time

Recognize problems and solutions faster

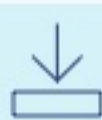
Improve equipment reliability

Increase equipment availability

Lower maintenance cost and risk



## Leverage Predix MES and Predix APM to solve challenges with smarter data



Unplanned downtime

**WITH PREDIX MES**

Identify top cause of process failures automatically

Adjust operating systems in real-time

**ADDING PREDIX APM**

Predict equipment issues with greater accuracy before they occur



Efficiency

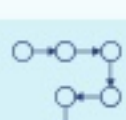
**WITH PREDIX MES**

See when and where failures happen

Find ideal machine settings

**ADDING PREDIX APM**

Prioritize maintenance activities by determining which equipment is most critical to the operation



Throughput

**WITH PREDIX MES**

Reduce planned downtime (changeover times and setup)

Improve product flow

**ADDING PREDIX APM**

Pinpoint poor performing equipment and reduce production losses

Optimize planned turnarounds by focusing maintenance and inspections on the riskiest equipment



Quality & Waste

**WITH PREDIX MES**

Track product at each stage of operations

Identify where to reduce waste and quality risks

**ADDING PREDIX APM**

Predict breakages that cause waste and quality risks

## Manufacturers that implement Predix APM can see an average of:



Reduced inventory cost

**5-10%**

Increased availability

**2-6%**

To learn more about GE Digital's industrial applications, visit [ge.com/digital](http://ge.com/digital).