

# 5 Ways

## Industry 4.0 Adoption Benefits Manufacturers

Industrial Internet of Things (IIoT) machine analytics can improve operations efficiency, reduce costly downtime, and increase profitability.

1

### ROI

Industry 4.0 adoption can generate measurable business results. Operational efficiency alone can reduce operating costs, increase profitability, and grow revenues.

Top industry quartile performers reduced energy expenses by 30% and lowered operating costs by 20% according to a January 2017 article from InTech Magazine.

2

### Maximize Performance

Real-time analytics allow manufacturers to adopt a predictive maintenance approach. With a proactive approach, unplanned downtime is significantly reduced. Future performance issues are accurately predicted and root cause analysis can be provided in minutes.

Manufacturers with condition-based predictive maintenance have fewer equipment emergencies, resulting in 14% less downtime and 71% lower maintenance costs, according to Industry Week.

3

### Maintain Quality

With real-time data visualization and analytics, engineers can continuously monitor even the slightest variance in critical data points. Real-time alerts can detect and avoid defects. Managers are quickly notified of potential problems so that adjustments can be made for in-process batches.

Deutsche Bank estimates that advances in IIoT automation will allow manufacturers that adopt real-time process monitoring to increase productivity by 30% through more flexible production methods.

4

### Drive Efficiency

Data insights provided by Industry 4.0 analytics can improve operational efficiency in all areas. With predictive analytics, root cause analysis, anomaly detection, and more manufacturers are able to reduce scrap, increase first pass yield, and improve uptime. Increased efficiency leads to increased profitability.

Manufacturing companies that have digitized operations, 82 percent report that Industrial IoT has resulted in increased efficiencies, according to the American Society for Quality, along with lower overhead and higher profits.

5

### Ensure Compliance

Industry 4.0 analytics can do more than increase productivity and efficiency. IIoT data can also improve workplace safety and reduce the risks of injury. Analytics can provide greater visibility into equipment failures, safety-related shutdowns, and identify the root cause of work stoppages.

