

# How the Connected Factory is Taking Manufacturing Forward

The manufacturing world represents a vivid landscape of opportunities driven by the idea of propelling lives forward.

Every manufacturing process echoes within a system, and technology has become a direct reflection of this.

The days of segmented, siloed data and disparate systems are numbered. We're entering the age of the Connected Factory, where progress is a result of intertwined and interdependent ideas, actions and solutions.

Each step forward fuels the next one, and this is the story of how the Connected Factory empowers you to innovate, adapt, secure, optimize and forecast in order to find success in a sea of competitors.

## Innovate

- Automate tasks to increase efficiency and free up time and resources needed to research and develop new ideas.
- Use AI- and ML-generated suggestions to speed up the rate of product-to-market operations and perfect manufacturing processes.

*Stat: A new wave of technologies is projected to create a \$9 trillion disruption in the manufacturing industry in the next decade.*

## Forecast

- Receive real-time information about factors such as your facilities, workers, markets, customers and entire industries.
- Machine Learning enables more precise forecasts with every completed analysis.

*Stat: Automated Supply Chain forecasting solutions are expected to double in use in the next five years.*

## Adapt

- IoT networks, sensors and devices enable less downtime and predict the efficiency of manufacturing processes way ahead of time.
- Stay highly agile and efficient by organizing your entire supply chain according to Just-in-Time and Lean principles.

*Stat: The percentage of US manufacturers looking to embrace digital technology will triple in the next two years.*

## Secure

- Use cloud technology to experience real-time protection and effortlessly keep up with the newest safety standards.
- Keep your data and technology away from cyber-attacks by using several layers of protection provided by Microsoft.

*Stat: The cost of the average data breach to a U.S. company is \$7.91 million*

## Optimize

- Harness the power of Big Data at all times and receive interactive dashboards and Business Intelligence reports about your processes.
- Use advanced analytics and AI to act on different manufacturing insights and improve facility and device performance

*Stat: 60 percent of global manufacturers will use analytics data recorded from connected devices to analyze processes and identify optimization possibilities in 2019*

## Technologies empowering your initiatives:



Artificial Intelligence



Machine Learning



The Cloud



Advanced Analytics



Internet of Things

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There's not a moment to lose.**

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