

# SMART MANUFACTURING

## Trends & Stats



### Our clients are asking us:

*“Should smart manufacturing be a priority?”*

The Industrial Internet of Things (IIoT) is driving change and leaving many manufacturers questioning the benefits.

We took it upon ourselves to research the latest trends and stats on everything IIoT where this can be a resource for you to answer some questions on why smart manufacturing and why adopt now.

Each year **unplanned downtime** costs industrial manufacturers an estimated

**50 billion**

**Poor maintenance strategies** can reduce production by

**20%**

**72%**

of companies plan to **increase their IIoT spending** over the next 3 years

**1 in 4** have

already **implemented smart manufacturing solutions**, while many others have begun the process

**20.4 billion**

IoT devices **to be deployed by 2020**

**86%**

of executives believe **digital transformation is critical** for growth and competitiveness



With **ONLY 1/3** of executives feeling their company is knowledgeable about digital technology and smart manufacturing solutions, many are left with questions like:

*“Why risk losing productivity to implement a new technology?”*

*“What are the benefits of smart technology?”*

*“Will the return justify the investment?”*

*“Who can advise us?”*



## FREEDOM DRIVES RESULTS TO THE BOTTOM LINE

Freedom helped Caterpillar meet their strategic initiative of reducing the lead time of their products. Freedom was deployed to automatically extract manufacturing data and provide valuable insights to Caterpillar in real time.

**After just 12 months** of employing Freedom, Caterpillar realized:



**59%**  
Reduction in  
delay time



**39%**  
Reduction in  
part setup time



**11%**  
Increase in  
in-cycle time



**\$1.2m**  
Increase in  
production value

## NO DISRUPTION

Freedom seamlessly connects to any industrial asset. No special engineering. **Freedom will be up and running in days** – not months – without burdening your IT personnel.

## VISUALIZE YOUR SHOP FLOOR IN REAL-TIME

Information is available in real time, providing managers insight into where production losses are occurring and why. Freedom is accessible anytime, anywhere via smartphone, tablet, or computer.



## IMMEDIATE RETURN

An efficiency increase of just 3-4% delivers ROI in six months. **The typical efficiency increase Freedom delivers is greater than 20% in the first month!**

## TRY IT AT NO RISK

Want to achieve productivity increases like these? Contact us at **513-719-1600** to learn how you can try Freedom for free.

*“Compared to other asset monitoring solutions, Freedom was the quickest and easiest to implement while also producing the best information.”*

### Sources:

<https://www2.deloitte.com/content/dam/Deloitte/us/Documents/process-and-operations/us-cons-predictive-maintenance.pdf>

<https://www.ge.com/digital/sites/default/files/GE-Digital-Industrial-Evolution-Index-Executive-Summary.pdf>

<https://www.zdnet.com/article/iot-devices-will-outnumber-the-worlds-population-this-year-for-the-first-time/>

