



## WHAT IS THE IoT?

The IoT refers to physical objects (like machinery) embedded with “smart” electronics, software, and sensors internetworked via the Internet so they can communicate with minimal, if any, human intervention. Connected products share information about their status including location, temperature, and other conditions/performance data.



## HOW THE IoT ENABLES INFORMED MANUFACTURING

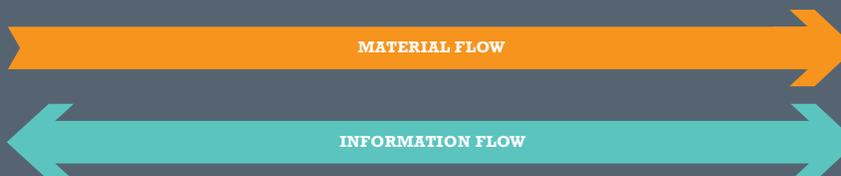
Information sharing is the cornerstone of informed manufacturing facilities. The IoT streamlines and further automates processes to connect the four essential elements of manufacturing:



## WHERE TO LEVERAGE THE IoT?

### Supply Chain

A production line that is virtually and simultaneously visible to suppliers and manufacturers via the IoT improves efficiencies throughout the supply chain including automated location tracking, inventory monitoring, and materials consumption reporting. Taken in total, this real-time data helps manufacturers prevent outages and issues, lower costs, and potentially reduce capital needs.



# Plant Floor

The IoT interconnects every aspect of production and automates certain processes that would otherwise require human intervention. In fact, the continual monitoring, inventory measurements, and corrective actions conducted by “smart” equipment provide non-labor intensive, near real-time fixes and prevent costly downtime for repairs or inventory replenishment.



**COMPANY DASHBOARD MONITORS:**

- ✓ Shop
- ✓ Efficiency
- ✓ Downtime
- ✓ Deliveries
- ✓ Inventory



## RESULTS YOU CAN EXPECT

### Processes



**Reduced Costs**

Automated processes and tools drive down labor costs and make the overall manufacturing process less expensive.



**Increased Revenues**

Informed manufacturing introduces design and operational efficiencies that allow for greater product innovations and more income potential.

### Products



**Improved Quality**

Minimal human intervention and automated technologies improve quality controls and outcomes.



**Reduced Waste**

IoT-enabled manufacturing requires less energy and fewer materials for production as key inputs are agile and more easily optimized.

Discover the potential for the IoT in your manufacturing operation. Contact us to learn more: [wipfli.com/ContactUs](http://wipfli.com/ContactUs)

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