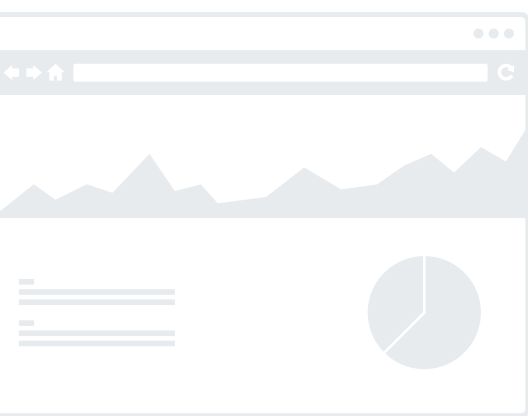


# 2023 IIoT Trends

The Industrial Internet of Things continues to be critical for manufacturers.



## CONDITION MONITORING & PREDICTIVE MAINTENANCE

Condition monitoring and analytic solutions will be the key to eliminating unplanned downtime.

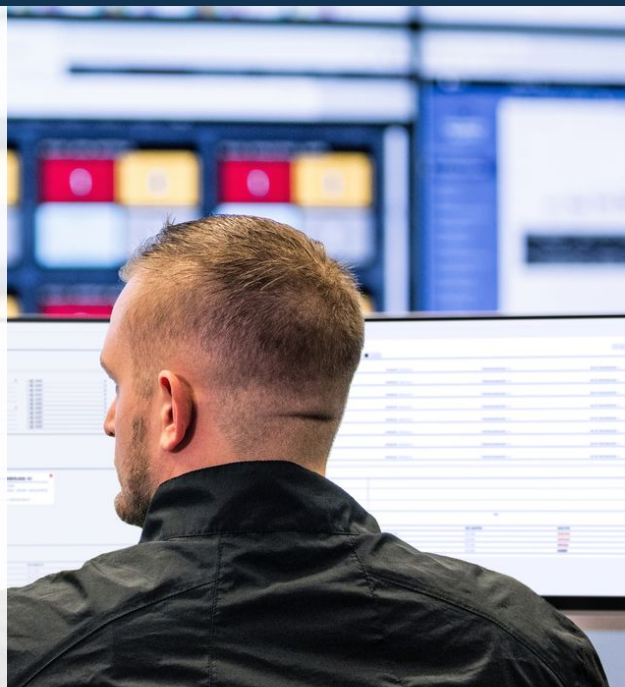
## SENSOR ADVANCEMENTS & INNOVATIONS

Advancements in technology will allow facilities to install more sensors to collect more data to monitor machine health.



## DATA-DRIVEN PREDICTIVE TECHNOLOGIES

Remote monitoring developments are enabling manufacturers to identify potential problems early, schedule downtime when convenient and keep operations running as planned.



## 5G & EDGE COMPUTING

Communications technology advances including 5G networking are allowing manufacturers to install more sensors at scale for a bigger picture of machine health.

## FOG COMPUTING

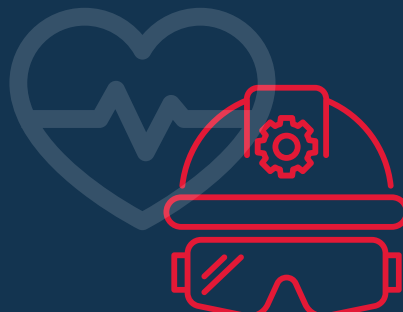
By enabling real-time control as well as enhanced security and greater manageability, fog computing is critical for enabling the connections that make the IIoT possible.

## DIGITAL TWINS

Digital twin technology will increase consistency and productivity reflecting the actual condition, status and performance of the physical piece or machine.

## HEALTH & SAFETY

Innovative ways of using IoT manufacturing technology provide benefits for employees as well as the facility.



## FLEXIBILITY & AGILITY

The data analysis and communication enabled by IIoT advances provide unprecedented flexibility in areas such as supply chain, enabling manufacturers to be agile in supplier selection, ordering and procurement strategy and inventory management.



## CYBERSECURITY

With more wireless devices in manufacturing facilities, addressing cybersecurity is critical for manufacturers.

## THE SMART FACTORY

With the above trends taking hold, the era of the smart factory is truly upon us. 2023 may be the year in which the smart factory becomes more of a norm.

