

# IoT and Employee Safety



The most important function of industrial IoT is to make the workplace safer. Many companies are implementing new technologies that are increasing worker safety by tracking their vitals and making equipment safer. Through the minimization of workplace injury, operational efficiency is optimized and worker's compensation costs are drastically reduced.

IoT will promote employee safety in the following ways:

## 1. Faster Emergency Response

Critical events experienced by employees are instantly reported to the command center and pre-determined, automated workflows can be executed to accelerate evacuation and rescue activities.

## 2. Enhancing Workers' Health & Wellness

Sensor data enables managers to watch out for any signs of fatigue, dehydration, or exhaustion, which have been found to be major factors in workplace injuries and deaths.

## 3. Diagnosing and Prevention of Future Incidents

Predictive analytics fueled by massive field sensor data allows for anticipation and prevention of hazards ahead of time. Predictive maintenance also minimizes equipment failures which contribute to workplace safety.



## Global Safety Facts & Statistics

- Deaths incurred by occupational accidents: 2.78 Million
- Non-fatal Injuries: 374 Million
- Costs incurred: \$3 Trillion (4% of the world's GDP)