

# Smart Safety

Approximately 15% of workplace injuries are in the manufacturing industry, causing missed work, lost productivity, and medical costs to employees and employers. Many traditional safety solutions miss leading indicators like near-misses, and EH&S managers struggle to have visibility into all areas of the plant. Smart safety and wireless solution enable employers to more efficiently and effectively stay ahead of safety and ergonomic issues within their factories to create safer and more productive operations.

## Why Smart Safety?

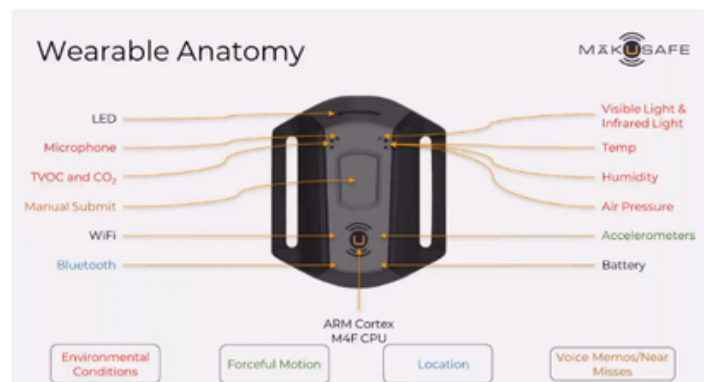
- Loss of work & productivity
- Cost of worker compensation
- Lifelong impact on workers
- Loss of company reputation

## How is it accomplished?

- Wearable sensor pack
- Real-time data collection
- Cloud & mobile platform
- No disruption to worker

## Multiple Applications

- Noise, acceleration & vibration
- Visible & infrared light
- Volatile gases and CO<sub>2</sub>
- Environmental conditions



## Employee Safety Impacts

- Increase productivity
- Improve employee retention
- Decrease lost work time
- 4x ROI on safety spending



Thanks to **MakuSafe** for their support in highlighting their solution for smart safety.

# Additional Suppliers for Smart Safety



Velocity EHS provides a suite of tools to help companies assess potential risks, comply with environmental regulations, and create safety programs. Their [Industrial Ergonomics](#) product includes a mobile device app that can record and analyze worker movements to identify potential ergonomic issues boosting worker health and productivity.

Intenseye offers a platform of [safety and ergonomics software](#) that uses real-time AI to analyze worker movements, PPE use, and physical conditions of the shop floor for risks and non-compliance. This software can be deployed by integrating with a facility's existing security camera systems or with new camera installations for a complete view of the plant and worker safety.



Sick manufactures a range of sensors for different applications, including those used in machine safety. With the growth of traditional robots and collaborative robots, Sick offers a line of safety laser scanners that can be easily set up and configured to create a unique map of your robotic cell and define operating modes for warning zones and keep-out zones.

Banner provides machine safety sensors, switches, and light curtains that help keep workers safe. Their [programmable safety controllers](#) monitor multiple devices and apply logic to respond appropriately to safety events. This logic is created uniquely for each machine by using an intuitive icon-based [programming software](#).

