# Wearable Sensors
## The Next Evolution in Injury Prevention

EMC Insurance Companies has partnered with MākuSafe, an innovative safety company focused on using data and technology to reduce workplace injuries and workers' compensation claims.

MākuSafe's proprietary wearable sensors are designed to gather real-time environmental, motion and near-miss data when worn by employees. The information is then sent to a cloud-based platform where it is analyzed and made available to the employer.

**Features**
- Wearable armband identifies leading indicators and auto-detects near misses
- Cloud software displays real-time data and interactive dashboards
- System generates alerts to safety contacts when high-risk conditions are detected
- Loss control recommendations are tailored to the organization's data
- Easy voice reporting of near-misses and observations from the wearable device

EMC policyholders who sign up for MākuSafe services may be eligible for a cost-sharing arrangement with EMC.

**Contact losscontrol.innovation@emcins.com with questions or to request enrollment in program.**

# Get a closer look at the MākuSafe wearable in action.

**View the video at https://youtu.be/vy8VB8stx4A**

## Frequently Asked Questions About Wearable Sensors

### What is a wearable sensor?

The MākuSafe device is about the size and weight of a matchbox, and designed to be worn on an employee's arm in an adjustable, breakaway armband. It carries several sensors which collect data about the employee's work environment. The information is sent to the cloud-based MākuSafe platform for analysis.

### How do the sensors work?

The sensors in the MākuSafe device collect data on noise, air quality, lighting, temperature, humidity, air pressure, general location and motion that may indicate slips and falls. The device communicates with the MākuSafe platform, usually using your Wi-Fi. When high-risk trends are detected, an alert is sent to your safety contact. The MākuSafe platform will also generate suggested corrective actions to address hazardous conditions.

### How will this technology benefit me?

By constantly collecting environmental and human motion data, the MākuSafe platform can identify leading indicators and, without interrupting the worker, immediately recommend solutions to the safety contact—sometimes before an injury occurs.

### Can I check the data measured by the safety devices?

Yes, the software platform is available to the safety contact and site managers so they can view the collected data and recommendations at any time.

### Do the devices track my workers' locations?

The devices are designed to monitor the work areas around employees—not the employees themselves. The devices collect general location data to document detected high-risk conditions but do not report employees' real-time locations for tracking purposes. No personal or biometric information is collected.

### Do I have to monitor the sensors?

No, data is collected by the device's sensors and automatically sent to the MākuSafe cloud-based platform. If a high-risk trend is detected, an alert with recommendations for corrective action will be displayed in the platform's dashboard.

### What should I do if the MākuSafe platform makes a recommendation?

When high-risk conditions are detected, recommendations will be sent to your safety contact person. The contact person should review the information and take appropriate action to remedy the situation.

### What happens if someone wears a device home?

The employee can simply return the device at his or her next shift. The device may need to be charged before it's ready for another shift.