



The Future of Safety – Innovations that are Driving a Safer Jobsite

Justin Azbill – Milwaukee Tool – Director National
Environmental, Health, & Safety



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Innovations Defined?

Executing an idea which addresses a specific challenge and achieves value for both the company and customer.




Safety Innovations = Saving Lives / Employee Wellness



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Top 3 Common Electrical Industry Risks

| | | |
|----|-------------------------------------|--|
| #1 | Death / Injured by Electrical Shock |  |
| #2 | Fall Injuries |  |
| #3 | Repetitive Stress Injuries |  |

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Current and Future Safety Innovations

| | |
|----------------------|--|
| Internal Innovations | <ul style="list-style-type: none"> • Engagement Programs • Mental Health Awareness Initiatives • Training Programs – Safety / Task Orientated • Identity Committees – Trade Driven |
| External Innovations | <ul style="list-style-type: none"> • AR / Virtual Reality • Smart Wearables • Smart Devices for Audits • Smart Tools • Advancement of PPE |

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AR / Virtual Reality

VR Safety training

Occupational safety and health training.

Based on Occupational Safety and Health Association (OSHA) 1910.269 standards requirements.

DANGER
ELECTRICAL SHOCK HAZARD
DO NOT TOUCH

repetitive

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SMART Wearables

AR Glasses Features

- Detect leading edges
- Identify hazardous material
- Display safety protocols

Smart Monitor Features

- Track core body temperature
- Detect harmful gases
- Improve contact tracing

Wearable technology could help prevent falls, which account for **one-third of all construction injuries**.

Smart Hard Hat Features

- Monitor fatigue
- Prevent microsleeps
- Detect collisions

Smart Watch Features

- Monitor health and activity
- Detect falls and send alerts
- Enable hands-free communication

Smart Boot Features

- Detect pressure from shocks and falls
- Sense location
- Charge by walking

DANGER
ELECTRICAL SHOCK HAZARD
DO NOT TOUCH

repetitive

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SMART Wearables

realwear

blacklinesafety
G7 Lone Worker Monitor

KENZEN

Emergency Call

SAMSUNG

SPRINGER

DANGER
ELECTRICAL
SHOCK HAZARD
DO NOT TOUCH

repetitive

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SMART Devices for Audits

Injuries by Body Region

| Body Region | Percentage |
|---------------|------------|
| Head | 10.3% |
| Shoulder | 10.2% |
| Arm | 8.6% |
| Upper Leg | 6.2% |
| Knee | 6.2% |
| Foot | 13.8% |
| Thigh | 1.7% |
| Abdomen/Chest | 5.2% |
| Wrist | 1.7% |
| Hand | 37.8% |
| Lower Leg | 6.2% |

ANCHOROCK

SAFETY REPORTS

Smartapp SAFETY™

Safety Bulletin Alerts

With just a few clicks, you can setup & send out safety bulletin alerts to your project team to quickly and easily alert them to safety conditions that impact the project. This includes: flooding, gas leaks, excavations, and other safety-related events.

Each bulletin alert can be sent out to your entire team or to specific team members, through in-app, sms or email notifications so that no one misses an important safety message.

DANGER
ELECTRICAL
SHOCK HAZARD
DO NOT TOUCH

repetitive

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SMART Tools



The advertisement features several Milwaukee SMART Tools: a red and black tool with a 'RAPIDSTOP' label, a red and black tool with an 'AUTO STOP' label, a green and black tool, a blue and black tool with a 'PROFACTOR X-LOCK' label, and a teal and black tool with an 'XLOCK' label. A central image shows a worker in a blue shirt and white hard hat using a red Milwaukee tool on a metal structure. To the right, a worker is shown using a red Milwaukee tool to cut a cable. Below the tools are three safety icons: a 'DANGER' sign with 'ELECTRICAL SHOCK HAZARD DO NOT TOUCH', a yellow lightning bolt warning sign, and a 'repetitive' strain warning sign.

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Advancement of PPE



The advertisement features various safety equipment: a worker in a blue shirt and white hard hat using a red Milwaukee tool, a worker in a yellow shirt and yellow hard hat using a red Milwaukee tool, a worker in a white shirt and white hard hat, a worker in a yellow shirt and yellow hard hat, a worker in a white shirt and white hard hat, a worker in a yellow shirt and yellow hard hat, and a worker in a white shirt and white hard hat. Below the equipment are three safety icons: a 'DANGER' sign with 'ELECTRICAL SHOCK HAZARD DO NOT TOUCH', a yellow lightning bolt warning sign, and a 'repetitive' strain warning sign.

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