

WEARABLE TECH USE CASES: CONSTRUCTION



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WEARABLE USE CASE EXAMPLES

CONSTRUCTION



NOISE EXPOSURE

A High Noise notification alerted the Safety Manager to a worker who was already at 90% of the daily recommended noise capacity (Time Weighted Average), early in his shift. Leadership also found the worker was not wearing hearing protection while drilling holes in concrete. Corrective action was taken, and importance of PPE discussed. The indicator was flagged as a 'Near Miss' in their MākuSmart dashboard.

POTENTIAL LOSS
AVOIDANCE: \$30K avg.

NEAR MISS

A worker reported to the safety leader via voice memo, "You're going to want to see this and you're not going to like it!" The Safety Manager received the notification in their MākuSmart dashboard, and investigated immediately. A stop work order was issued until the problem was remedied on the job site.

POTENTIAL LOSS: ???

HEAT STRESS

High Heat notifications came from workers' MākuSafe devices that were operating on metal decking. Leadership observed the area and took corrective action. It was discovered that heat level was reduced based on decking material workers stood on. The adjustment was communicated and workers were encouraged to take breaks and visit hydration stations.

POTENTIAL LOSS
AVOIDANCE: \$23K+

REPETITIVE MOTION INJURY

Several hazardous repetitive motion indicators alerted the safety manager to an issue at the job site. It was discovered that workers used a rope to pull supplies to the third floor of a building under construction. The safety leader advised the crew to use an alternative method, thereby avoiding potential injuries.

POTENTIAL LOSS
AVOIDANCE: \$30K+

SOUND EXPOSURE

Workers were cutting material (wearing hearing protection) but it was not anticipated that unprotected workers nearby would also be exposed to high noise levels. The safety manager received a voice memo from a MākuSafe device regarding the issue. PPE requirements were established for the nearby workers, and the area was roped off with a "Hearing Protection Required" sign.

POTENTIAL LOSS
AVOIDANCE: \$30K avg.

FALL FROM HEIGHT

MākuSafe indicated a trip/fall had occurred. The safety leader was notified via text that a worker had tripped, fallen and slid down a roof. The incident was promptly investigated and the safety leader confirmed the individual was okay, and all workers were wearing harnesses.

POTENTIAL LOSS
AVOIDANCE: \$50K+