

Reduce Injuries. Protect Uptime.

Stop the hidden driver of workplace incidents before they happen.

THE CHALLENGE

2%

Body mass fluid loss

where measurable
cognitive decline begins -
before thirst is felt.

20%

Drop in attention

and psychomotor speed
within 90 minutes of
moderate work in heat.

13%

of Workplace Injuries

are attributed to fatigue with
Heat and Dehydration as
primary drivers.

Dehydration's impact extends beyond heat stress - driving broader injuries, downtime, and rework.

THE CASCADE

PHYSIOLOGICAL

When heat, exertion & dehydration converge:

- Plasma volume drops; heart rate climbs to compensate
- Cardiovascular strain accelerates physical fatigue onset
- Core temperature rises faster, elevating heat illness risk
- Workers cannot self-assess their own cognitive decline

OPERATIONAL

Silent degradation before any visible symptom:

- Reaction time slows; hazard response is delayed
- Attention and vigilance fade on panels and field tasks
- Errors and rework accumulate quietly across the shift
- Fatigue incidents cost \$1,272–\$3,439 per employee / year

THE SOLUTION

Connected Hydration is the leading hydration intelligence system which amplifies both safety and operational outcomes by curbing dehydration - the root cause of site-wide accidents and lost uptime.



Build Hydration Habits



Lower Recordables



Fewer Mistakes



Lower Fatigue & Absenteeism



Identify Workforce Risk



Consistent Uptime

HOW IT WORKS



Intrinsically Safe Wearable

- On-body vibration fluid loss alarms
- Real-time sweat loss analysis
- Hydration intake (large button)

Worker App

- Personal hydration insights
- Hydration score and team performance
- Hydration logging (ex: electrolyte beverages)

Cloud Dashboard & HSE Analytics

- Privacy first design (anonymized data by default)
- HSE analytics identify risk on home screen

IN THE FIELD

“
I got terrible cramps every summer. Now I know how salty my sweat is, I haven't cramped since.
”
- Oil Tank Cleaner



TAKE ACTION

Stop managing lagging indicators.

Equip your team with proactive hydration intelligence to protect worker safety and sustain critical uptime.



Get a demo!