

An Intrinsically Safe Smart Safety Solution

ATEX / UKEX

Ex II 2G | Ex ib IIC T4 Gb (Zone 1)

IECEx/Canada

Ex ib IIC T4 Gb (Zone 1)

USA

Class 1, Division 2, Group B
Class 1, Zone 1, AEx ib IIC T4 Gb

Every year heat causes at least 170,000 work related injuries and as many as 2,000 fatalities.

Industries involving chemicals or oil and gas often require employees to wear heavy PPE, increasing the risk of heat-related and fatigue-induced incidents.

(Bureau of Labour Statistics)

Prevention is the best solution.

Bodytrak® provides the world's most comprehensive smart safety solutions that **reduce workplace risks** and **prevent incidents** caused by **heat stress, fatigue** and **noise exposure** through actionable data.

Safety as a service

Inclusive service that uses unique wearable sensors, proprietary data analytics and our safety management cloud platform to keep your team safe.



Protect your most valuable assets

Customised approach to provide automated and individualised insights in real-time so that intervention can be enabled and incidents avoided.









Enhance productivity and gain more

Enables users to work at optimal levels and operation leads to assess the impact of environmental stress on productivity.



Our intrinsically safe solution enhances the health and safety practices in challenging and hazardous environments by preventing incidents and providing effective support mechanisms:

<p>Heat Stress Core Body Temperature (CBT) Non-contact, non-invasive continuous temperature monitoring. Heat stress alert.</p>		<p>Geolocation + Geofencing Location upon alert detection whether indoors or outdoors Prevents access to hazardous areas.</p>	
<p>Fatigue Heart Rate Variability (HRV) Photoplethysmography (PPG) signal processing.</p>		<p>SOS – Urgent Assistance User Activated Alarm Triggers dashboard, SMS and email notifications.</p>	
<p>Noise Induced Hearing Loss Noise Metering Accumulating noise exposure at the ear to monitor and alert for excessive noise.</p>		<p>Falls Motion & Actimetry Fall detection / inactivity alert.</p>	

With our smart safety solution, you can continuously monitor each person's individual response to environmental and physiological stress. This means safety monitoring no longer must be a one-size-fits-all indirect approach. Bodytrak enables thresholds to be set for each parameter, and automatically accounts for each users' individual thresholds by tracking a baseline, using machine learning techniques. This ensures accurate and reliable data is provided for each user.

When preset thresholds are exceeded, the Incident Management Platform raises alerts and shows the location of incidents, enabling rapid intervention. Automated reports are generated to help you leverage critical insights, enhance safety practice, and improve productivity.

Designed with comfort and durability in mind the Earpiece is almost unnoticeable when worn. The convenience of a non-intrusive ergonomic ear-based form factor means it's very easy to fit and remove, without interfering with Personal Protective Equipment, including respiratory equipment. It combines key features for safety monitoring with hearing protection and is compatible with audio communications devices such as digital mobile radios. The communications module has a smaller footprint and is lighter than a regular smartphone and can be conveniently clipped to a belt or placed into a pocket.

For as little as £1.75 a day per user, our reliable safety as a service solution is preventing incidents across various sectors including mining, utilities, oil and gas, chemicals, production, logistics and lone working through to emergency services.



Bodytrak 1 IS Device and Accessories



Bodytrak Incident Management Platform

Bodytrak Platform Features
Real-time alert dashboard
Configurability to change thresholds
Incident reporting
Automated report insights
Alert notifications via email and SMS
Location monitoring via interactive mapping
Geofencing to control safety zones
SOS user activated alarm designed for rapid assistance

Bodytrak Device Features
Intrinsically safe
Wearable and lightweight
Multiple health markers
8 - 12 hours of battery life
Integrated Wi-Fi and cellular data communications
Bluetooth® compatibility
Audio prompt alerts
Ambient hearing
Hearing protection

Bodytrak Essential Reporting
Health and safety incident reduction
Cost reduction through injury prevention
Cost reduction through enhanced operational efficiency
Improved Environmental Social and Corporate Governance (ESG) for public industrial organisations

For more information please visit www.bodytrak.co
Or speak to the team
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