

Enterprise wearables

It is 2018 and too many workers are retiring early due to work related injuries – how can we address this?



Improving worker wellbeing and safety: In any organization, it's people who matter the most and remain the most valuable asset. Your employees want to feel safe at work and they want to know how you are ensuring their wellbeing. So we have to wonder why there are an estimated 120 million occupational accidents and 200,000 workplace fatalities globally every year.¹ Many of the incidents that happen in the workplace shouldn't be happening in 2018, and certainly not in the digital era.



3,739 fatal accidents
& **3.2 million**
non-fatal accidents
4+ days recovery²



120 million
occupational accidents
with **200,000 fatalities**
globally estimated
annually¹



30-50% workers
report factors that
may be hazardous¹
1/3 of adult life
spent in **hazardous**
conditions¹

An organization must recognize the different workplaces within its operation and the different risks its employees are exposed to. The World Health Organization found that 30-50% of workers report factors that may be hazardous in their workplace.¹ At Fujitsu, through co-creation projects with our customers, we've developed an outcome centric platform to provide greater visibility of a worker's wellbeing across hazardous situations and remote locations. These scenarios uniquely include over exertion, heat stress and fall detection, amongst others.

Protecting your workers – getting started

It's imperative to implement the most effective solutions for monitoring the wellbeing of your employees, not only to prevent incidents today but to reduce the long-term impact on the health of your workforce. Employees that know you are putting their wellbeing first are happier and more motivated. This also helps protect the reputation of your organization and reduces the risk of fines and compensation claims.

At Fujitsu we work with our customers to explore, plan and co-create outcome driven solutions. We advise on the cultural changes needed within your business to support the successful implementation of an employee wellbeing solution. This solution comprises of UBIQUITOUSWARE enterprise wearables, propriety algorithms and Fujitsu's enterprise wearables platform.

¹ http://www.who.int/occupational_health/publications/globstrategy/en/index1.html
² http://ec.europa.eu/eurostat/statistics-explained/index.php/Accidents_at_work_statistics

Our Solutions



In 2018 it is simply not good enough that there are so many work related illnesses, injuries and accidents.

The solutions exist to help your organization to reduce the risks of specific accidents, whilst also improving the workplace to reduce the long-term illnesses caused by exertion and repetitive tasks. Talk to Fujitsu's experts today to trial our worker safety and efficiency solutions in your organization. We start with a quick and straight forward Proof of Value. It really couldn't be simpler to protect your workers now, ensure they have a healthy retirement and safeguard your organization from fines and compensation claims.

→ Ready to get started? Contact us today.

Worker Safety

Today organizations are mandating that workplaces have to be safer, with employers having a duty of care to protect employees from injury and harm. For workers this ensures that they avoid injury and work-related illnesses that can limit careers and result in early retirement due to ill health. For businesses, this ensures a workforce that is safe and effective whilst avoiding direct financial impact and reputational damage resulting from injuries to employees.

Fujitsu's UBIQUITOUSWARE wearable sensor technology has been developed in collaboration with our customers and includes Vital Sensing Band, Location Badge, and Fujitsu's enterprise wearables platform. These solutions help to provide safer working environments by remotely monitoring the health and safety of workers and issuing alerts when or before accidents occur. The dashboard allows visibility of all information from the wearable technology to enable a swift response to an incident and the review of data history to prevent future incidents. For example;

- Detect falls by monitoring both acceleration and barometer pressure changes to quickly provide support
- Avoid heat stroke by monitoring and alerting before a safety issue occurs
- Improve safety by tracking locations
- Prevent accidents by analyzing data and using it to re-design tasks

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Driver Safety

Many of our customers are mandating that drivers record tiredness as a near miss incident. For an organization not reducing these risks puts drivers, the public and reputation at risk. In response to this, Fujitsu developed the UBIQUITOUSWARE Driver Drowsiness Detector,

a wearable sensor device that non-invasively detects when drivers are drowsy. The product, which uses a propriety algorithm developed by Fujitsu Laboratories, monitors the driver's pulse via a sensor attached to the earlobe. The sensor gauges drowsiness and notifies the driver and their vehicle fleet manager if there is an increased risk. Additionally, once the data has been captured it is possible to analyse routes and to take pro-active steps to improve driver safety.

Engineering Company

For a European engineering company we have delivered a Driver Safety Proof of Value which involved the set up and use of UBIQUITOUSWARE driver drowsiness devices, vital sensing band and location badges with the Fujitsu's enterprise wearables platform for alerts and analysis. The trial highlighted the benefits of wearables technology to improving worker safety.

Worker Efficiency

Organizations with field workers are facing two major issues – first time fix rates, which can be as low as 1 in 3 and secondly, the significant shortage in predicted field engineers over the next 10 years. All too often, field workers attend remote sites but lack the right skills and knowledge to complete the task. Enabling field workers to access additional information through augmented reality, ensures higher rates of first time fix, enhances their knowledge and increases profits by preventing multiple site visits.

In order to address these issues, Fujitsu co-created a field worker solution comprising of UBIQUITOUSWARE Head Mounted Display and Fujitsu's enterprise wearables platform.

The Head Mounted Display (HMD) acts as a communication tool between operators and their supervisor, delivering support and sharing remote imagery in real time. Using Fujitsu's enterprise wearables client the workforce is enabled with the materials and support they need. This can be through clearly defined Augmented Reality (AR) Process Flows, or an enhanced AR Overlay where the engineer can access relevant online manuals and records. An experienced engineer can see what the less experienced field engineer can through the HMD and then provide remote support and advice. The result is increased first time fix rate and more confident field workers.

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For further information on Fujitsu's enterprise wearables please visit:

www.fujitsu.com/wearables