

INDIA IOT SOLUTIONS - EMPLOYEE HEALTH AND SAFETY



# A CONNECTED WORKER IS A SAFE WORKER

**TATA COMMUNICATIONS PROVIDES YOU WITH AN  
END-TO-END 'SAFETY AS A SOLUTION' TO PROACTIVELY  
PREVENT WORKER SAFETY RELATED INCIDENTS.**

In any enterprise, worker safety is of utmost importance. By investing in the right employee health and safety solutions, organisations can defer huge costs in terms of liabilities and lost productivity.

Tata Communications is pioneering a digital revolution in employee health and safety by combining wearables with the Internet of Things (IoT), analytics, and artificial intelligence (AI) to create technology solutions that saves lives.



#### **END-TO-END SAFETY SOLUTION:**

Our unified system monitors worker vital stats and tracks their proximity to hazardous areas to address incidents proactively ensuring timely attention.



#### **ENTERPRISE-GRADE MANAGED SERVICE:**

A market first solution, built on Tata Communications' experience in creating high-quality, trustworthy business solutions that scale to any size.



#### **INDUSTRY EXPERTISE:**

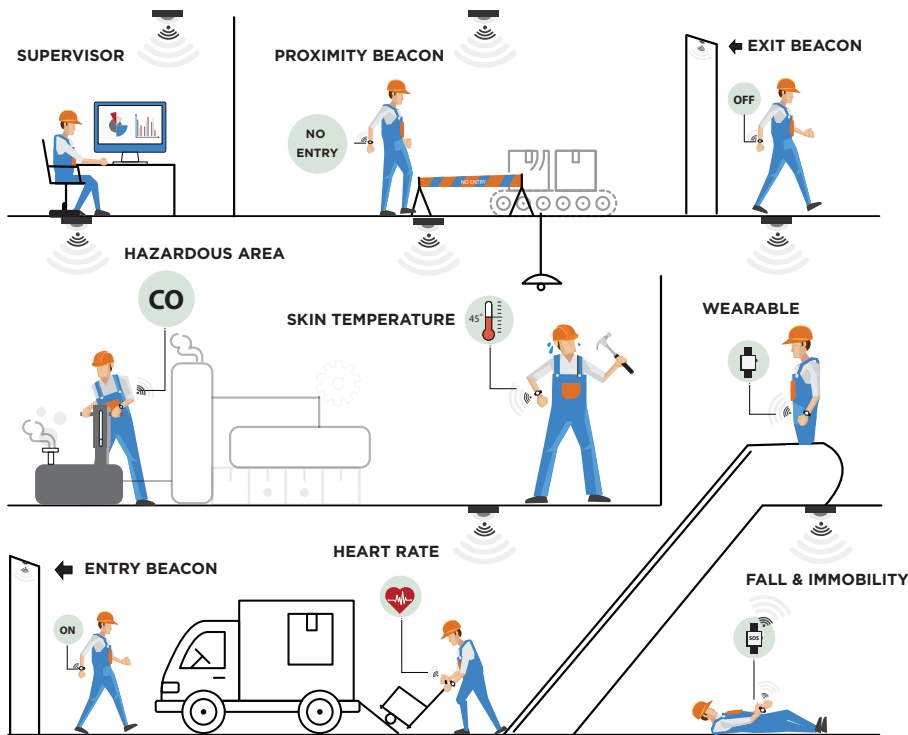
Solutions incorporate industry-specific learning and requirements to provide a comprehensive offering.

## OUR SOLUTION

The Employee Health and Safety solution monitors a worker's body vital stats and work environment using customised wearable devices. This feature rich device is capable of two way alerts between the employees and supervisors, automated attendance, location tracking and geo fencing. Strategically placed beacons in your facility gather and seamlessly transmit data from the devices via the LPWAN network to the device management platform to create actionable insights.

No matter what your organisation's safety parameters are, we will build a scalable solution that's tailored for your use-case, the size of your workforce, the layout of your facilities. Implementation will be seamless and simple.

## SOLUTION POWERED BY TATA COMMUNICATIONS' SECURE LoRa IOT NETWORK



## CASE STUDY - SAFETY WATCH



### THE CHALLENGE

Our large manufacturing client was challenged to create a scalable, zero-incident safety policy. With no efficient way to track worker location and wellness, safety incidents were impacting employees' general wellbeing and productivity.



### THE SOLUTION

The Employee Health and Safety solution is fully operational and has reduced incidents by addressing health emergencies with timely corrective action. The solution has improved overall safety levels and business results.

## KEY FEATURES INCLUDE:

-  **Enterprise grade managed service** - control and view all your data, delivered via robust SLAs
-  **Robust hardware** - certified devices are protected with warranties and lightning-fast spare replacement
-  **Cost-efficient OPEX model** - minimal upfront expenditure
-  **Real-time tracking** - locate your workers instantly on the premises
-  **Employee health snapshot** - access a unified dashboard view of individual health history, incidents, and possible risks
-  **SoS** - 2-way panic button between workers and supervisors for immediately alerts
-  **Geo-fencing capabilities** - deliver instant alerts when employees enter restricted zones
-  **Fall detection** - custom built algorithm detects falls and sends immediate alerts
-  **Environment monitoring** - detect harmful emission levels e.g. CO and issue alerts
-  **LPWAN(LoRa) benefits** - long range, long battery life, wide indoor and outdoor coverage
-  **Automated SMS** - configure SoS messages for custom-defined groups
-  **Cloud-based application** - feature-rich system is easy to configure and manage
-  **Automated headcount capture** - keep track of all workers during any emergency evacuations
-  **Easy configuration** - define and modify sites, beacons, maps, zones, and rules to fit your company requirements

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