Smart Proximity, an Integrated Platform for workplace personal safety

In the days following lockdown, when the Covid-19 infection will have been contained but before any vaccine will be available, the first rule to ensure personal safety in the workplace will be social distancing, or maintaining a secure distance from coworkers.

How can an organization get back to business, while protecting the health and well-being of its own employees? How can technology help ensure safety in your workplace?

Smart Proximity is an integrated platform that analyzes, monitors and predicts potentially harmful behaviors in the workplace. It operates in real time, sending warning messages to workers who do not abide by the appropriate safety distances.

Each operator is equipped with a wearable **Proximity Sensor**, which communicates with one or more nearby sensors by sending and receiving information.

The data generated is then sent to a server that creates a relationship graph and monitors, in real time, the respect of safety distances between operators (**Proximity Monitor**).

When two sensors register that the safety distance between two operators is not respected within a specific time interval, it immediately warns them (**Proximity Messaging**) through vibrations, LED or sound.

Data analysis (**Proximity Analytics**) enables you to take preventive and proactive actions to ensure the safety of your operators.

Benefits

Monitoring safety distances between operators in real time

Identify dangerous behaviors and relationship clusters

Analyze behavior to ensure safety standards and rules are enforced

Low infrastructure costs (leveraging existing WiFi and other networks)

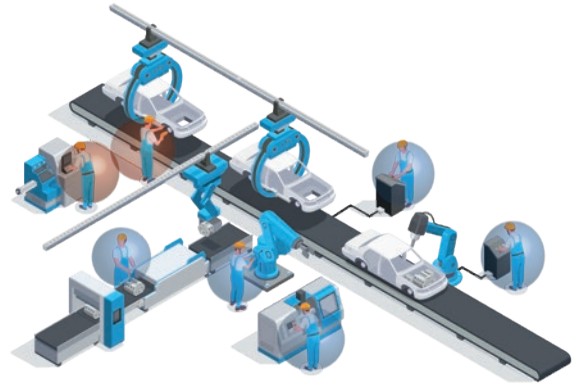Send alerts to employees to warn them of potentially damaging behavior

Ensure the protection of the individual's privacy and data

Easy and fast deployment

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Features and Applications

Storage of critical proximity data

Reliability and availability of data on distributed architecture

Monitoring dashboard to identify critical behavior and report anomalies, in real time

Integration with external systems through standard communication protocols

Security, verification and validity of data collected

Configure wearable devices with **OTA (Over The Air)** solutions, without physical connection but using wireless network

People Counting: using bluetooth devices, the solution count and automatically send the number of the people in a room

Work Force Management: for social distancing: it is possible to combain two or more sensors making them belong to the same "family", eliminating contact reports

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