

SMART BELT

Smart belt is a IoT device which has BLE & LoRA WAN connectivity. It communicates with the nearby beacons through BLE and send the same data through LORA. It comes with Vibration motor to provide feedback whenever worker enter the hazardous area (or) remains for long time in such area. SoS button to report & seek emergency help. Safety belt internal memory is programmed to load & store geofences of gaseous & hazardous areas. Used for attendance system, workplace monitoring, in-premise movement, people safety and unauthorized access.

IoT hardware,
software and
smart product
development

Key Features:

- It is a compact device can be put inside the belt buckle
- Battery operated device, once charged can be used for 4-5 days
- Comes with built in vibration motor to alert the user
- Works in low power mode when not in use.
- SOS switch to seek emergency help, by pressing it will push an alert to the cloud
- Location identification by triangulation method

Alerts

- Red-Zone Detection
- Location-Out Detection
- SOS button press detection
- Low Battery Detection

Motor Vibrates when:

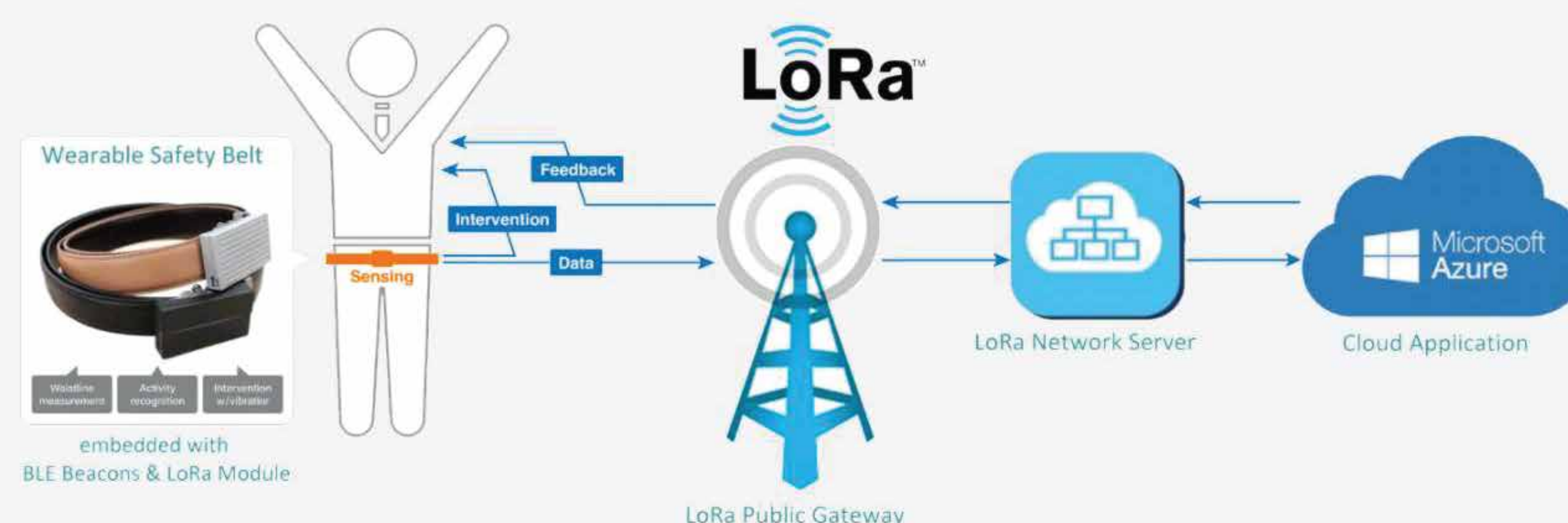
- Joins Network
- Red-Zone detection
- Location -Out
- SOS Button press
- Belt Search

Mechanical Specifications:

- Enclosure: Fire Retardant Poly Carbonate Material
- Wall Mount & DIN Rail Compatible.
- Meter Dimension: 100x100x40 (LxWxH).
- Provisions for Input/output Connections.



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