

## RE Partner Solution

# UTT Health Monitoring Systems



### Solution Summary

Track the industrial workers who are working in hazardous area by locating their position and health information. When the battery is low, workers can charge the device with the kinetic motion of hand.

### Features/Benefits

- Tracker device with Kinetic Energy device harvesting SOTB Chip
- Secondary Li Po battery
- Wireless Anchor for Location Calculation
- Ultra-low power device with less than 5uA Sleeping current
- SoS Features and Sleep Mode operation for low battery and Power the system with SOTB device
- Alarm
- Location
- Low Battery
- Low Blood Oxygen (SPo2)
- Heartbeat Rate
- Intrinsic Safe Design

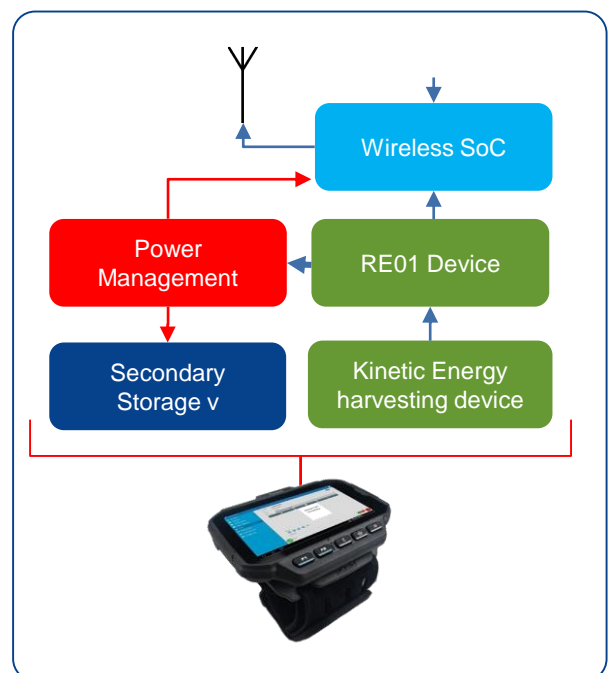
### Diagrams/Graphics

#### Customer use case for POC

Indian safety wearable manufacturer explores various power back up option during emergency, such as sending the SOS signals to outside world by powering the system with Kinetic force or vibration . UTT approached the customer to do a POC after analyzing the wearable device power requirement

### Target Markets and Applications

- Mining Areas
- Hazardous Areas



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