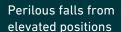
# **Empowering Construction Workers with Smart Wearables**

## Scenario

Construction sites are inherently susceptible to an array of risks, including potential hazards and fatal incidents, placing the worker's life and the employer's reputation at stake.

# **Potential Safety Threats**







Heat-related health issues



Exposure to harmful gases



Instances of low pulse/heart rates



Safety non-compliance

# Elevate Workers' Safety and Wellness with Smart Wearables

Harnessing the power of smart wearables, SAMI-AEC Raqueb boosts worker wellness through real-time health monitoring and early warning hastening immediate responses to potential emergencies on construction sites. Intelligent wearables extend their impact beyond physical and mental health, fostering a safer and more supportive work environment.

# SAMI-AEC Raqeeb: Construction Safety Gear

### **Smart Watch**

- Body temperature monitoring
- ▲ Heart rate, blood pressure monitoring
- Advanced SOS capabilities

#### **Smart Harness**

- ▲ Fall detection
- ✓ Fall prevention

## **Gas Detection Sensor**

✓ Hazardous gas detection

## **Core Benefits for Construction Sites**





Reduced accidents and downtime

