

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



Perilous falls from elevated positions



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 Raqeeb 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



Better safety compliance



Comprehensive health analysis



Swift emergency communication



Reduced accidents and downtime