

Smart Construction Solution

SmartWorks is an award-winning and Construction Innovation and Technology Fund (CITF) pre-approved Smart Site Safety System (4S) solution. It integrates AI technology with IoT devices to facilitate real-time surveillance of workers' safety and site environment, on a centralized platform over 5G and other connectivity technology. It enhances operational and occupational safety while strengthening management efficiency.

Seamless Connectivity and Comprehensive 4S Solutions



- Centralized Management Platform
- Digitized Tracking System for Site Plants, Powered Tools and Ladders
- Digitalized Permit-to-work System for High-risk Activities
- Hazardous Areas Access Control by Electronic Lock & Key System
- Unsafe Acts/ Dangerous Situation Alert - Mobile Plant Operation
- Unsafe Acts/Dangerous Situation Alert - Tower Crane Lifting
- Smart Monitoring Devices for Workers & Frontline Site Personnel
- Safety Monitoring System using Artificial Intelligence
 - Confined Spaces Monitoring System
- Safety Training with Virtual Reality Technology

Reliable Coverage for Challenging Sites



Confined Space



Tunnel Area



Rural/Remote Area





Mountain Side Site Office/Headquarters



High Location

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