

VCT InSite, the ultimate construction safety personal assistant designed to prioritize the well-being of your workers and enhance project management. With a range of innovative features and cutting-edge technologies, VCT InSite is your go-to solution for ensuring safety, productivity, and efficiency of your project.



02 Redefining PPE Compliance Tracking

Meet the next evolution in jobsite safety. **VCT InSite** automatically detects helmet use and scans for smart tags embedded in standard vests, safety shoes, and gear. No need for unreliable AI cameras or expensive upgrades. As workers move through the site, VCT InSite performs continuous zone-based safety checks, comparing their equipment to the specific PPE requirements of each area. If anything is missing, the device instantly alerts the worker through an integrated speaker and notifies the platform for immediate action. You get real-time visibility, automated compliance tracking, and the confidence that every worker is protected, every step of the way.

01 Comprehensive Vital Signs Monitoring

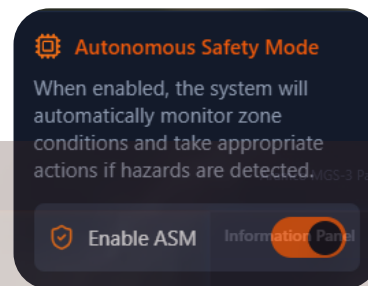
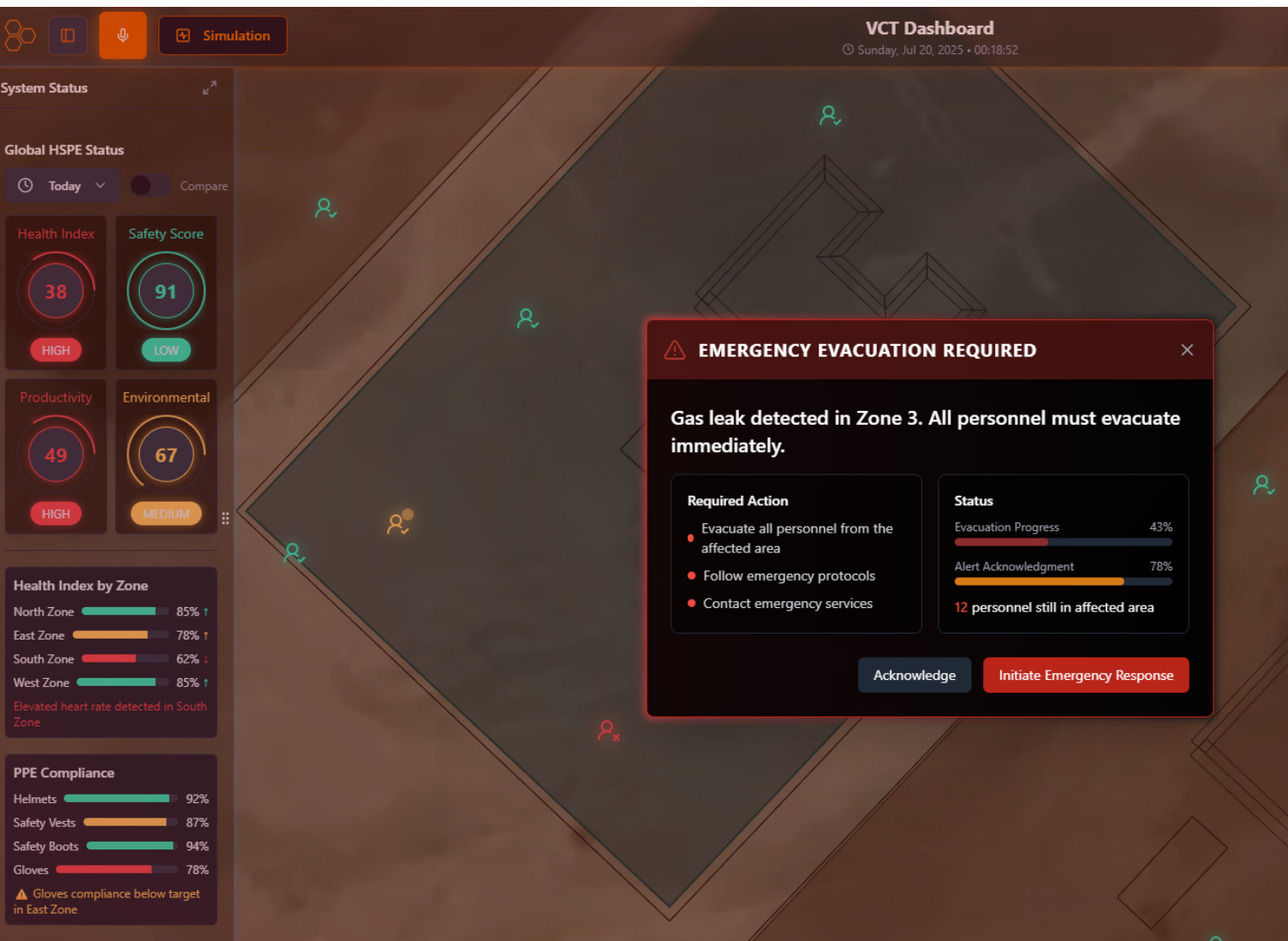
Our patented **VCT InSite** helmet attachment is a solar-powered, long-range device built to protect workers in real time. It monitors vital signs like heart rate, oxygen saturation, and temperature, delivering accurate health insights from the field. With GPS tracking, a built-in speaker for alerts, and smart fatigue detection, it helps identify early signs of exhaustion and stress. Supervisors can act fast to prevent incidents, reduce downtime, and keep teams safe and productive.



03

Real-Time Intelligence

The **VCT True InSite** platform brings your entire operation into focus. Designed to integrate seamlessly with the VCT device, the platform delivers real-time insights into worker safety, zone compliance, productivity, and site conditions, all in one powerful dashboard. It visualizes live alerts, PPE violations, fatigue risks, heat stress, falls, and SOS events with unmatched clarity. Interactive maps and zone-based data allow you to monitor teams, identify risks, and take action instantly. No guesswork, no delays. Whether you're managing ten workers or ten thousand, VCT True InSite gives you full control over safety, performance, and accountability across your entire project.



- **Worker Notifications**
- **Zone Status**
- **PPE Compliance**
- **Indoor/ Outdoor RTLS**
- **Health & Safety Index**
- **SOS Alerts**
- **Fall Detection**
- **Voice Assistance**
- **2D/ 3D Visualization**



InSite Pro

Comprehensive Worker Safety and Health Monitoring Solution

The VCT InSite Pro provides a complete solution for worker safety and health monitoring, ideal for high-risk industries like oil and gas, mining, and heavy construction. Equipped with long-range LoRa-based communication (up to 10km) and real-time indoor **BLE** and outdoor **GPS** tracking, Live **PPE Compliance Status** this model ensures comprehensive location visibility. **Advanced health monitoring** features include tracking of heart rate, body temperature, SpO2, and fatigue levels, allowing companies to identify health risks and ensure worker well-being.

The **helmet-integrated speaker** and **haptic feedback** system deliver immediate notifications, while the emergency **SOS** function offers rapid response capabilities. With **solar-powered** batteries and a rugged dust and waterproof design, the VCT InSite Pro is built to last in tough environments. This all-in-one solution integrates worker tracking with vital health monitoring, providing real-time insights and enhancing overall safety.

InSite Core

Complete Worker Tracking Solution

The VCT InSite Core offers a robust solution for industries requiring both indoor and outdoor tracking capabilities. Featuring LoRa-based communication for long-range data transmission and **BLE** indoor as well as **GPS** outdoor tracking and **PPE Compliance Status**, it ensures that worker locations are always visible. The model is designed for industries like construction and heavy infrastructure, where real-time tracking is crucial.

With a **helmet-integrated speaker** for mass notifications, **haptic feedback**, and an emergency **SOS** system, the VCT InSite Core provides vital safety features. Its **solar-powered** batteries ensure extended use without frequent charging, and the dust and waterproof design guarantees durability in challenging work conditions. The Core model delivers essential tracking and safety functionality, making it ideal for projects spanning both indoor and outdoor environments.

InSite Pure

Essential Worker Tracking Solution

The VCT InSite Pure provides a streamlined, cost-effective solution for indoor worker tracking. Utilizing LoRa-based communication for long-range connectivity and **BLE** indoor tracking, and **PPE Compliance Status**, it offers reliable real-time positioning for improved productivity and safety. This model is perfect for industries like warehouses and factories that require accurate local tracking without additional costs for GPS or health monitoring.

Features such as **haptic feedback**, a **helmet-integrated speaker**, and a quick emergency **SOS** system ensure that workers can be alerted instantly in critical situations. The **solar-powered** batteries, capable of recharging even with indoor or indirect lighting, ensure continuous power. With a dust and waterproof design, VCT InSite Pure is built to last in rugged environments, offering excellent value for those focused on efficient worker tracking.

VCT InSite Models - Feature Comparison

a range of advanced solutions designed to meet the diverse needs of industries focused on worker Health, Safety, and Productivity monitoring



InSite Pro



InSite Core



InSite Pure

Communication

LoRa/ LoRaWAN



Built-in Speaker



Haptic Feedback



Location Tracking

Indoor Location (BLE)



Outdoor GPS Tracking



Health Monitoring

Heart Rate



Heart Rate Variability (HRV)



Temperature



Blood Oxygen Level (SpO₂)



Calories/ Steps



Fatigue Monitoring



Safety Monitoring

Emergency SOS



Fall Detection



PPE Compliance Tracking



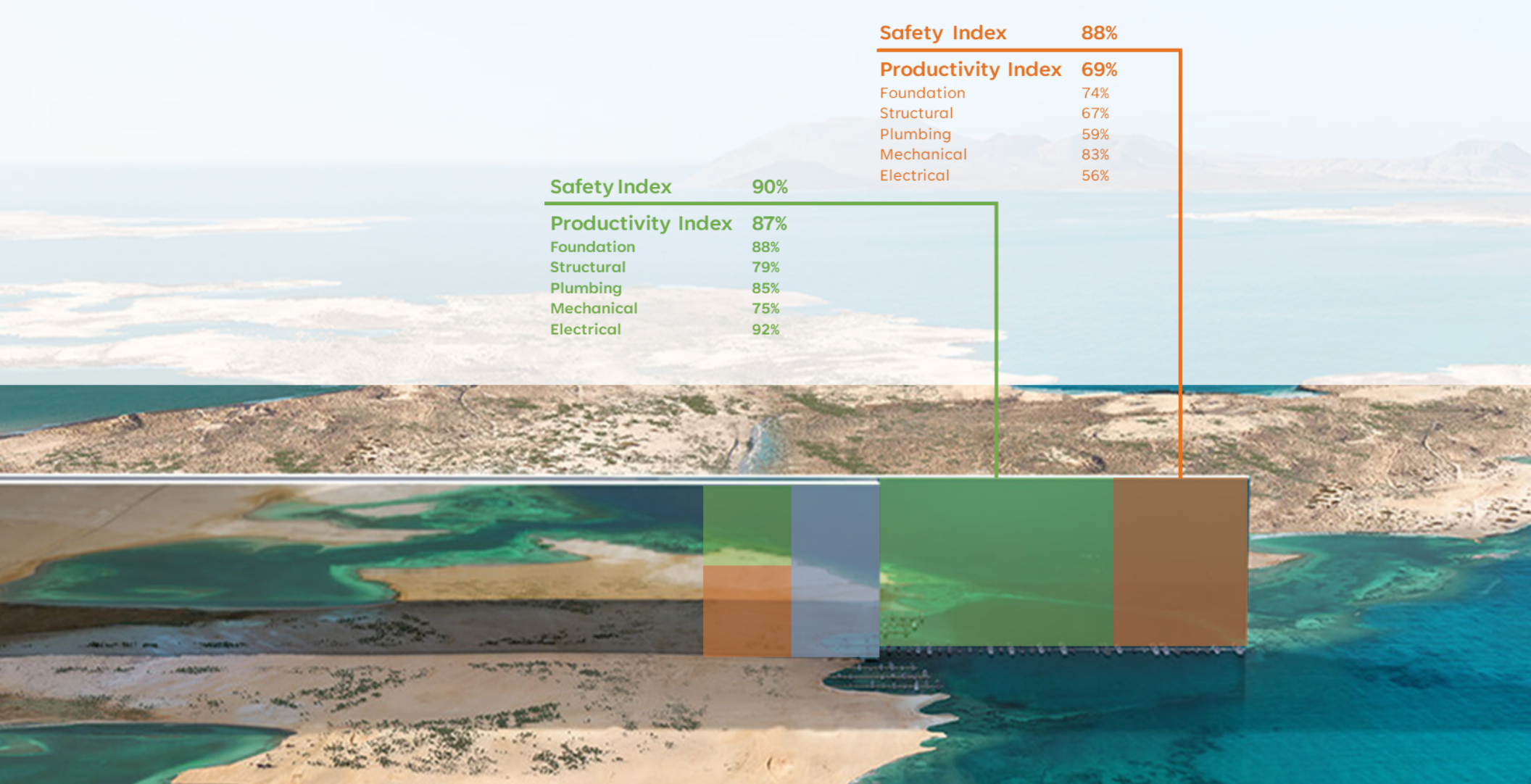
Power & Durability

Solar-Powered Battery



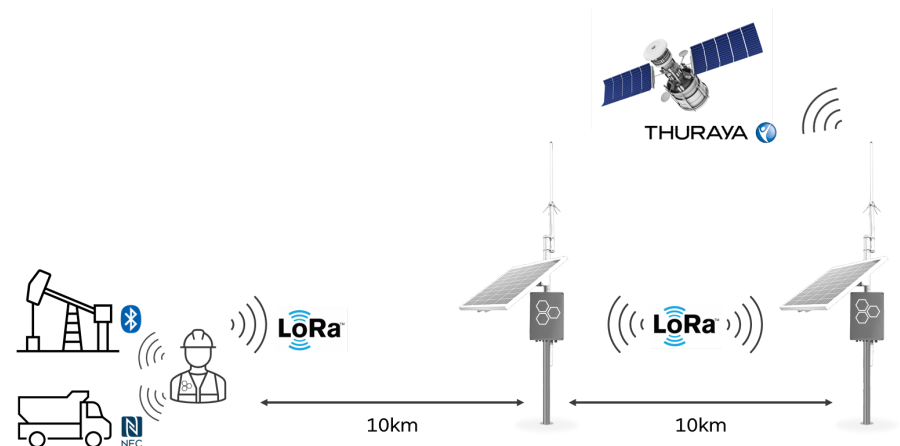
Dust/ Waterproof





Elevating Health, Safety and Productivity

VCT InSite technology provides seamless access to valuable insights into safety behavior and productivity performance. Our Health & Safety Index tracks vital signs, PPE compliance, and worker movement, detecting potential risks early and enabling swift response. The Productivity Index measures energy expenditure, step count, and GPS location to identify inefficiencies and improve site performance. With VCT InSite, you can build safer, smarter, and more productive construction sites.



ABOUT

Virtual Creative Technologies

we are a technology development company dedicated to revolutionizing occupational safety and productivity procedures and workflows. With our cutting-edge hardware and software solutions, we strive to create innovative products that enhance workplace safety, improve efficiency, and drive productivity.

VCT InSite: is a comprehensive safety and productivity management system that combines the power of health monitoring and communication technologies. It provides unparalleled safety management solutions, integrating hardware devices and software applications to ensure the physical, mental well-being and productivity of your workforce.

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