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Smart Evacuation and Medical Alert Systems

Wireless safety solutions for
construction, mining, and
industrial sites



Orisent's Smart Safety Solution

Ensuring workplace safety in high-risk industries is a challenge that requires reliable, fast, and scalable solutions. Orisent provides advanced emergency alert systems that deliver instant communication, rapid response, and complete coverage, even in areas with no cellular connectivity.

By integrating wireless technology with a robust monitoring platform, we help organisations improve safety, minimise downtime, and enhance compliance.

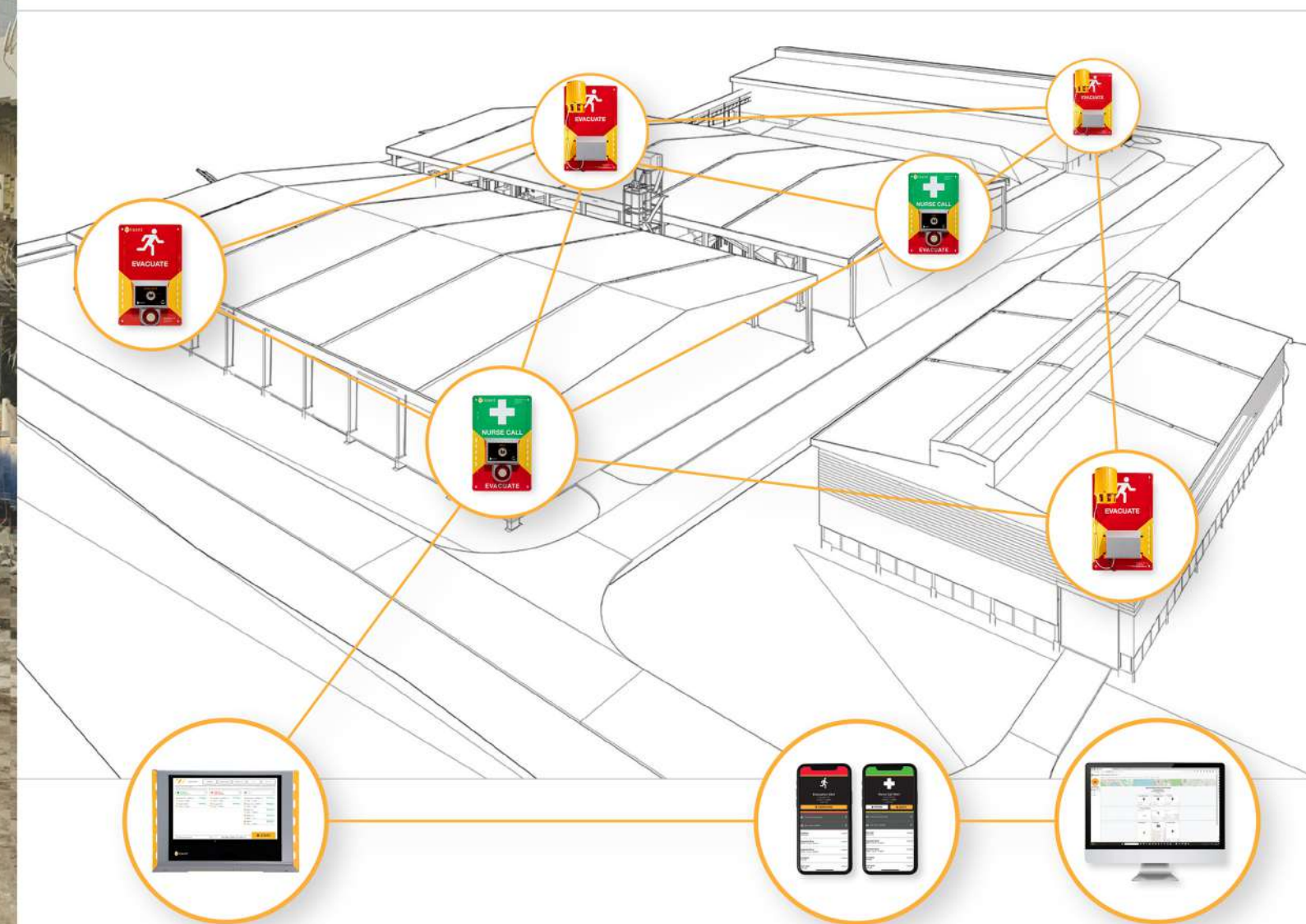
Our solutions help safeguard both personnel and critical site assets, ensuring operational continuity while reducing risk exposure. They have been designed for:

- ▶ Construction sites
- ▶ Mining projects (open cut and worker camps)
- ▶ Industrial facilities.



Traditional emergency response systems often rely on cellular networks or wired infrastructure, which can be challenging in high-risk or remote environments. Orisent's wireless devices create a self-sustaining mesh network that ensures uninterrupted emergency communication, even in harsh conditions.

- ▶ Self-sustaining, fast deployment wireless mesh network
- ▶ Instant medical, lockdown, and evacuation alerts to on-site and remote personnel
- ▶ No reliance on external infrastructure, making it ideal for industrial and remote locations
- ▶ Scalable, modular solutions adaptable for small sites, multi-location projects, and large industrial zones
- ▶ Real-time event tracking and reporting to streamline safety procedures
- ▶ AI-assisted diagnostics for proactive maintenance, real-time fault detection, and automated troubleshooting.





Construction

Prevent delays and miscommunication with instant alerts across one or multiple project sites.



Mining

Ensure safety in open-cut mines, worker camps, and remote operations with robust, independent emergency networks, helping to safeguard valuable equipment and infrastructure.



Industrial

Minimise risks, protect workers, and prevent asset loss with real-time safety alerts.



Safety Technology Engineered For Any Environment

Orisent's emergency response systems offer unmatched reliability, ease of use, and scalability.

- ▶ Wireless emergency triggers for Nurse Call and Evacuation.
- ▶ High-volume sirens with adjustable sound patterns.
- ▶ Wearables and sensors for personal and asset safety.
- ▶ Centralised safety control with a robust control panel.
- ▶ Designed to safeguard both workers and site infrastructure by ensuring emergency alerts reach the right people instantly.
- ▶ Multi-channel alerts via sirens, mobile app, UHF radio, SMS and email.



▶ Control Panel (TCU)

The central hub for managing emergency alerts, sirens, and system integrations. It allows users to initiate evacuations or lockdowns and distribute real-time alerts, ensuring a coordinated site-wide response.

▶ Combined Evacuation Trigger + Siren

A dedicated evacuation trigger that instantly activates all sirens on site or just the paired sirens, ensuring a coordinated site-wide evacuation, its siren and strobe provide local alerts, notifying those nearby.

▶ Subscription Services

Includes the Orisent mobile app and user portal for managing emergency events remotely, plus system monitoring, remote diagnostics, and updates, ensuring all devices remain operational and compliant.



▶ Combined Nurse Call Trigger + Evacuation Siren

A wireless emergency trigger for requesting medical assistance, ideal for loud environments or non-verbal communication. When an evacuation is activated, its siren and strobe provide local alerts, notifying those nearby.

▶ Bluetooth Wearable Triggers and Smoke Detectors

Protection for your most valuable assets – your workers and your property, monitored locally and remotely.

▶ Evacuation Siren

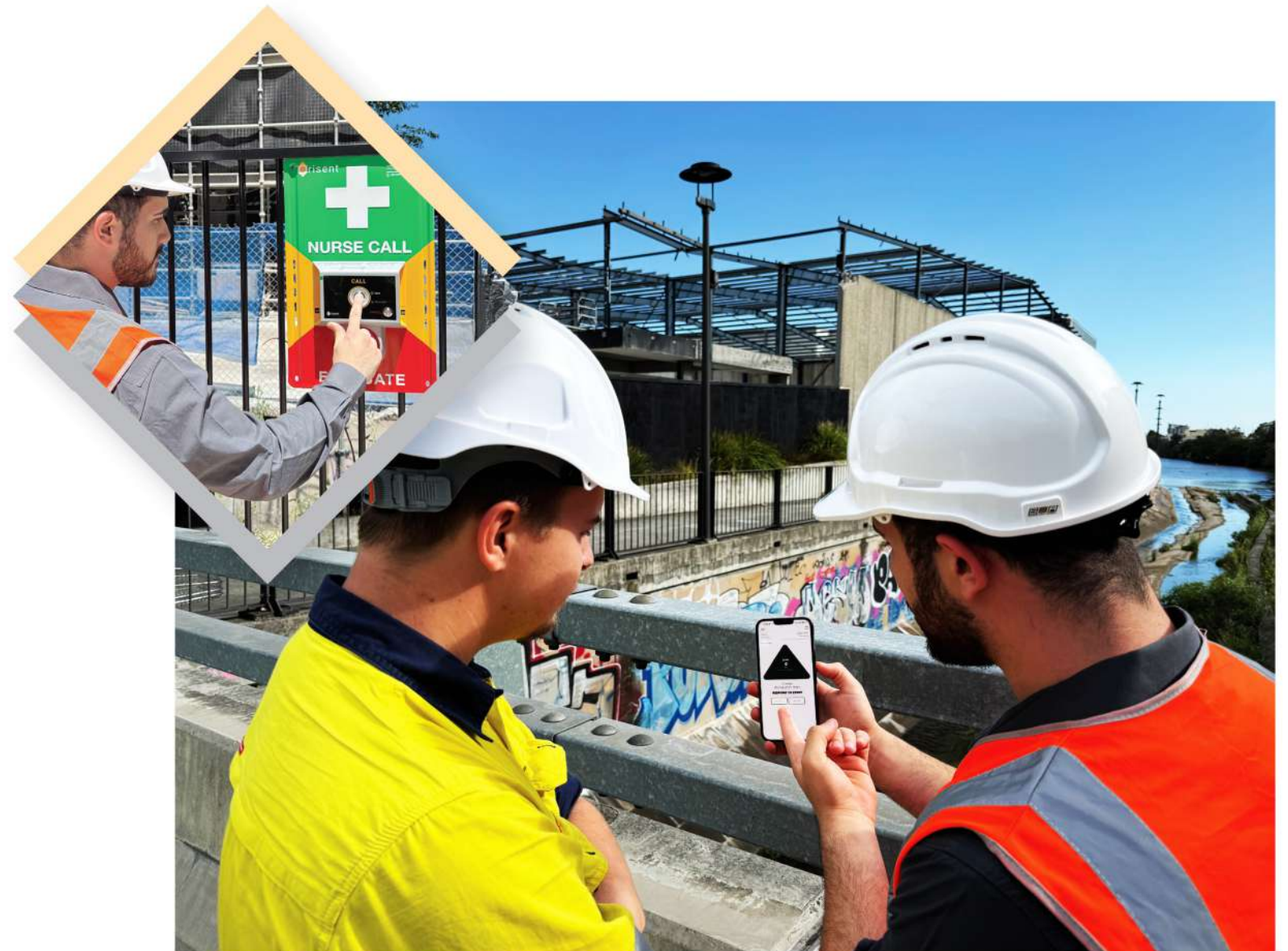
A high-output siren designed to deliver loud, clear evacuation alerts across large sites. It can be activated by triggers, the control panel, or automated sensors, ensuring reliable emergency communication even in high-noise environments.

Key Capabilities and Features

Orisent redefines safety systems by integrating hardware, software and backend into a single solution that operates independently of cellular networks. This ensures reliability even in the most remote or infrastructure-limited locations.

▶ Our proprietary wireless mesh network adapts to site conditions, offering unmatched flexibility. An intuitive interface and telemetry tools simplify deployment and management, enabling non-specialists to handle tasks typically requiring technical expertise.

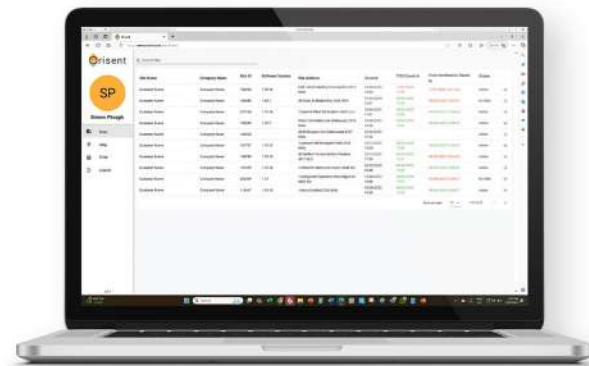
By focusing on ease of use and accessibility, our systems reduce the need for external specialists while maintaining robust functionality. Integration with third-party platforms automates workflows and centralises data, streamlining safety management across the project lifecycle.



Multi-Site Monitoring and Control: Stay in Control from Anywhere

Monitor safety across multiple sites using Orisent's cloud-based portal and mobile app.

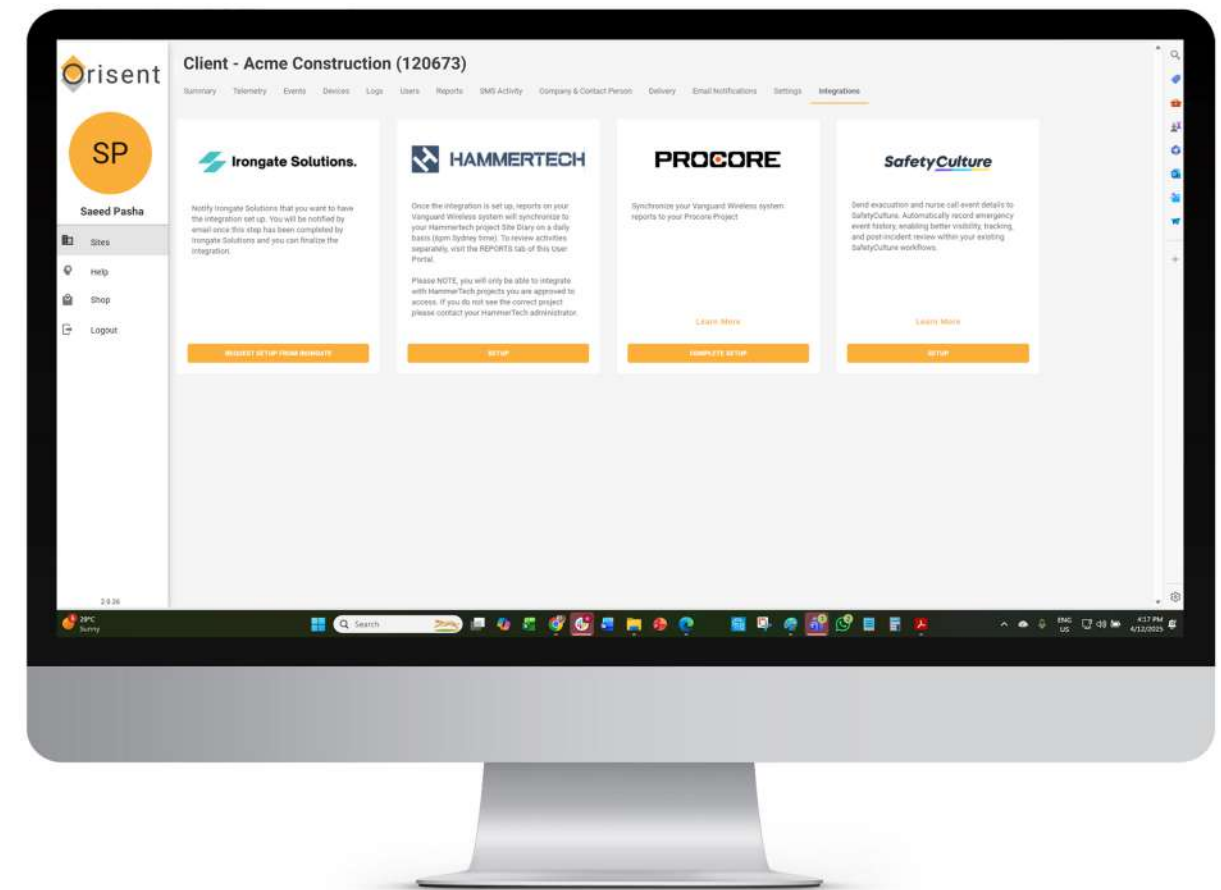
- ▶ Real-time alerts and incident logs.
- ▶ Remote access for swift response.
- ▶ Cloud-based reporting for compliance tracking.
- ▶ Ensures rapid incident response that helps protect both people and assets from harm.



Advanced Communication and Integration

Orisent seamlessly integrates with your existing safety systems, providing complete site connectivity.

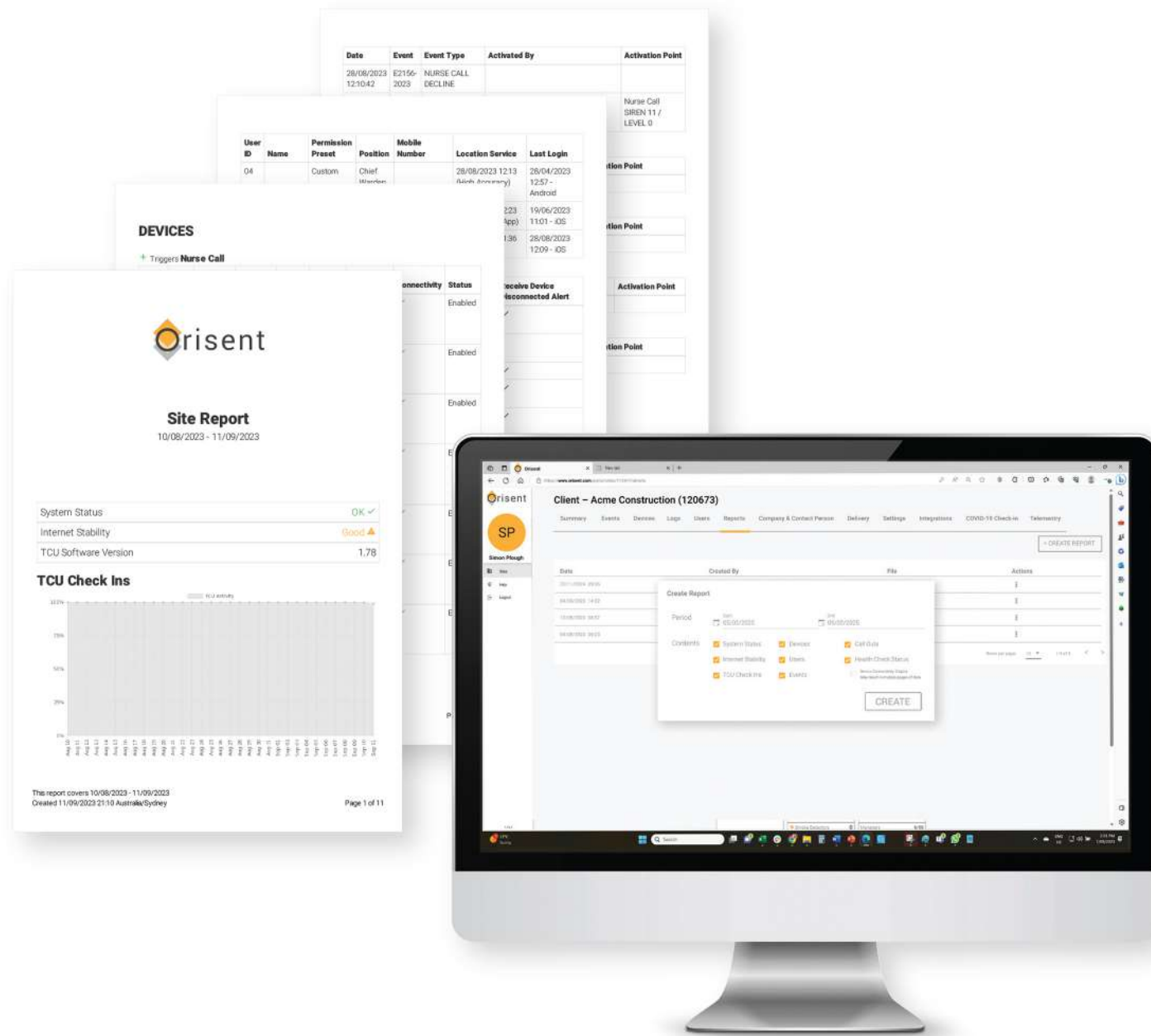
- ▶ **API-based customisation for easy integration**
Adapt Orisent's reporting to your specific site and workflow needs.
- ▶ **Integration with access control and automation**
Link with gates, turnstiles, and security systems for automated responses.
- ▶ **Works with leading safety and compliance platforms**
Compatible with major project management and safety software.
- ▶ **Remote system monitoring and diagnostics**
Ensure all connected devices remain operational with real-time health checks and status updates.



Compliance and Reporting

Enhance safety and maintain compliance with detailed reporting and real-time event tracking. Ensure the safety of personnel while helping prevent operational and asset-related disruptions.

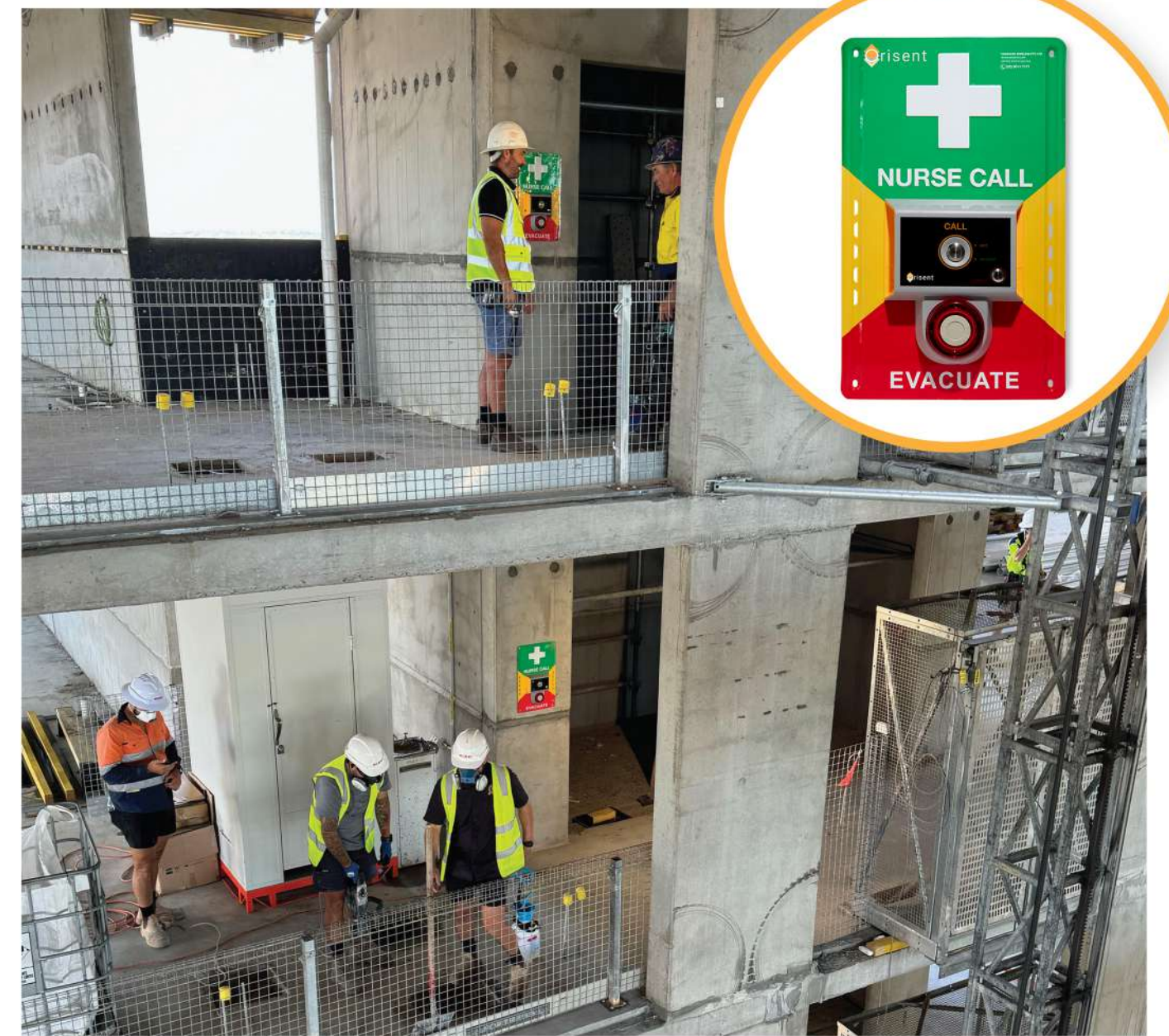
- ▶ Incident tracking with exportable reports.
- ▶ Compliance-ready logs for audits.
- ▶ Easy integration with safety management frameworks.
- ▶ Comprehensive data analysis to identify recurring safety risks and high-risk zones.



Why Orisent?

Designed for high-risk industries, Orisent provides innovative, easy-to-use emergency response systems that safeguard your workforce and protect valuable assets.

- ▶ Trusted in the construction, mining, and industrial sectors.
- ▶ Independent wireless operation.
- ▶ Scalable solutions for any project size.
- ▶ Easy installation and minimal maintenance.
- ▶ AI-assisted diagnostics for proactive system maintenance and troubleshooting.





Contact Us

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