

Case Study



Site: **Pinnacle Rhodes**

Project: **Networking Emergency Lights**

Solution Implemented: **Plexus Smart Building Compliance Suite**

Background

Pinnacle Residential in Rhodes is a high-rise development with 233 apartments, ground-floor retail, and a multi-level basement car park. To maintain high standards of safety, energy efficiency, and operational cost-effectiveness, Pacific Building Management Group sought an advanced emergency lighting solution that was capable of maintaining reliable large coverage connectivity.



Challenge

Traditional emergency lighting systems required manual testing and inspections, which were both time-consuming and costly. Facility staff had to conduct frequent site visits to check emergency lights, record compliance data, and schedule maintenance, leading to increased labour costs and administrative burden. Without a centralised monitoring system, record-keeping was difficult. Maintenance inefficiencies also created delays in addressing faults. Additionally, resident experience was a key concern. Compliance testing often required access to common areas and service spaces, causing unnecessary disruptions.

Solution

Pacific Building Management Group implemented Plexus, a smart emergency lighting and compliance solution that streamlined operations and improved efficiency:

- **Automated Compliance:** IoT-enabled emergency lights performed self-testing and real-time reporting.
- **Cloud-Based Monitoring:** The Plexus dashboard provided a clear, centralised view of system performance.
- **LoRa Mesh Network:** Wireless connectivity eliminated the need for extensive cabling and simplified installation.
- **Scalability:** The system allowed for future expansion, including smoke alarms, contact sensors and other IoT sensors.

Results

Since installation, The Pinnacle has experienced exceptional reliability with only 1 failure across all 331 emergency lighting fittings in the past 3 years. The self-test functionality has further streamlined compliance, ensuring that potential issues are identified and addressed proactively. The ability to conduct compliance tests remotely has reduced the burden of manual maintenance, ensuring uninterrupted residential living while maintaining full compliance with safety standards.

Conclusion

By adopting Plexus, Pacific Building Management Group improved compliance, cut costs, and enhanced building safety at Pinnacle Residential. With automated testing, real-time alerts, and a scalable smart network, the system delivers a modern, efficient approach to building management.

Following the success of The Pinnacle's emergency lighting upgrade, other nearby residential towers have transitioned to Plexus. The combination of reliability, automation, and cost-effectiveness makes it an ideal solution for large-scale residential developments.

