



Revitalising Urban Mobility: Vertimax Upgrades Car Stacker System at Altona Apartment Complex

The management of a boutique apartment complex at 118 Pier Street, Altona, a five-storey building comprising 25 residential units, faced a significant issue when their car stacker system became non-operational.

The system, essential for optimising limited parking space, was rendered unusable due to a maintenance passcode lockout imposed by a previous service contractor.

This disruption not only inconvenienced residents but also posed potential safety and operational concerns for the property managers.

The Challenge: A Locked Legacy System Disrupting Daily Operations

The primary challenge involved restoring functionality to a complex car stacker system consisting of 28 platforms, including upper, lower, and drive-through configurations. The existing Programmable Logic Controller (PLC) was outdated and inaccessible, necessitating a comprehensive overhaul. Additionally, ensuring seamless integration of the new system components without compromising the structural integrity of the existing setup was critical.

The Vertimax Solution: A Complete Electrical System Upgrade

Vertimax proposed and executed a full-scale electrical upgrade of the car stacker system. The solution encompassed:

- Removal of the obsolete PLC and installation of an advanced model
- Complete reprogramming of the system to accommodate the new hardware
- Installation of new relays compatible with the upgraded PLC
- Comprehensive rewiring of the electrical system to configure inputs and outputs effectively

During the final stages, an issue arose with the existing RFID system failing to communicate with the new PLC. We promptly identified the incompatibility and replaced the RFID system, ensuring full operational capability.

The Result: Fully Restored Operations and Renewed Resident Confidence

The successful electrical upgrade restored full functionality to the car stacker system, enhancing the efficiency and reliability of parking operations within the apartment complex.

Residents experienced improved convenience, and property managers benefited from reduced maintenance concerns. Our team's expertise and swift resolution of unforeseen challenges further reinforced our reputation as a trusted provider in the car parking system industry.

