



Case Study: Construction Project Management

# Kinetic New Lynn: Electrification Strategy

End-to-end project management of the largest fully electric bus depot in Australasia.

## PROJECT SUMMARY

### LOCATION

Oceania

### INDUSTRY

Logistics,  
Freight &  
Parcel

# Comprehensive design and implementation of electric bus charging infrastructure, whilst coordinating various stakeholders to ensure seamless integration and operation.

## Client Challenges

Kinetic faced a range of operational, stakeholder, and timeline challenges, including:

- Coordination and management of multiple key stakeholders, including Auckland Transport, Vector, contractors, depot staff, design consultants, and the charger supplier.
- Execution of excavation and installation works for conduits and power cables, while maintaining full operational capacity throughout construction.
- Adherence to a strict project completion deadline with limited flexibility.
- Delays from the power network provider, including late delivery of the transformer, impacting project timelines.

## Approach

TMX implemented a comprehensive, hands-on project management strategy to address the client's challenges, including:

- End-to-end project management, covering project budgeting, reporting to NZ Bus and partners, tender processes, and oversight of site works to ensure uninterrupted bus operations throughout construction.
- Engagement of a specialist design consultant team to deliver a solution for charging 44 electric buses, including load management systems and supporting software.

- Direct liaison with the power network provider to secure necessary power upgrades and coordinate high-voltage (HV) infrastructure works.
- Management of the contractor tender process for the low-voltage (LV) scope, including supporting the client through contractor negotiations to secure the preferred delivery partner.

## Solution

- TMX managed all elements of the construction phase on behalf of the client including design, legal negotiations, site meetings, software and charger installation, for the delivery of the largest fully electric bus depot in Australasia.
- **50% of the bus fleet on site were converted to electric as part of phase 1. The project was delivered under budget and on time.**
- Bus operations were not impacted during construction.

***“New Lynn was larger and more complex than Panmure but also went without a hitch. TMX oversaw the project from initial design through to completion and despite several challenges as the project progressed, the result was an excellent electrified yard. As with Panmure, a key aspect to the project was the need to keep the depot fully operational throughout the construction period which was no small feat. TMX oversaw the contractors and ensured that their work was staged to meet depot requirements plus deliver the final result on time.”***

- Ian Gordon, Director of Infrastructure, Kinetic

## Transform your supply chain

TMX Transform is an end-to-end supply chain consultancy, providing expert advice and practical, innovative solutions to businesses globally.