

edison

Hobson Street

GXP Development

INDUSTRY SECTOR: Transmission and Distribution - Stations
EDISON SERVICE: Client Site Representative
CLIENT: Transpower and Vector



Project Overview:

A joint Transpower and Vector project to develop the Hobson Street Grid Exit Point (GXP) as part of the North Auckland and Northland (NAaN) project to reinforce Auckland's CBD power supply and electricity transmission into Northland. Transpower are installing new gas insulated switchgear (GIS), and a 250MVA 220/110kV power transformer. Vector are installing a new 110kV GIS and an additional 75 MVA 110/22kV transformer.

Vector and Transpower required a site representative to ensure coordination of contractors and site access to ensure efficient delivery of the project.

Edison Delivery:

The client site representative role primarily involved coordinating contractors on the site for both Vector and Transpower.

This included access to the single site driveway in a busy central city location. Contractors and subcontractors from Hawkins Construction who constructed the buildings; Alstom Grid (France) who supplied and installed the 220kV GIS; ABB who installed the 110kV GIS; Olex who supplied and installed the 220kV cables; BBUGL who installed the 220kV cables using the Penrose to Hobson Vector tunnel and Electrix who installed the protection & SMS systems for both Vector and Transpower.

Coordination of Vector faults and maintenance staff was also needed due to the construction site being located inside an existing Zone Substation supplying the Auckland City CBD. Additional to coordination, the Edison rep was required to conduct site inductions, complete site safety inspections and address breaches as required.

Despite the specific challenges onsite, the project is on track for a successful completion.

Client Feedback:

"Edison were a committed member of the team, who performed a crucial role in coordinating the works of multiple contractors, of two clients, on a site with very limited access. The Edison site rep was also passionate about safety and took a leadership role on site."

Mark Ryall, Transpower

"Edison played a pivotal role in delivering the Hobson Street Grid Exit Point Development Project by managing the day to day requirements and demands of a large number of contractors in a complex construction environment. Focussing on ensuring each contractor had suitable access to their work areas without compromising safety was essential; particularly, as the construction site was within a live substation supporting the CBD. The Edison team managed all of the site coordination, safety auditing and site facilities management; leaving the client free to concentrate on the installation of the primary plant"

Nick Nicholls, Vector