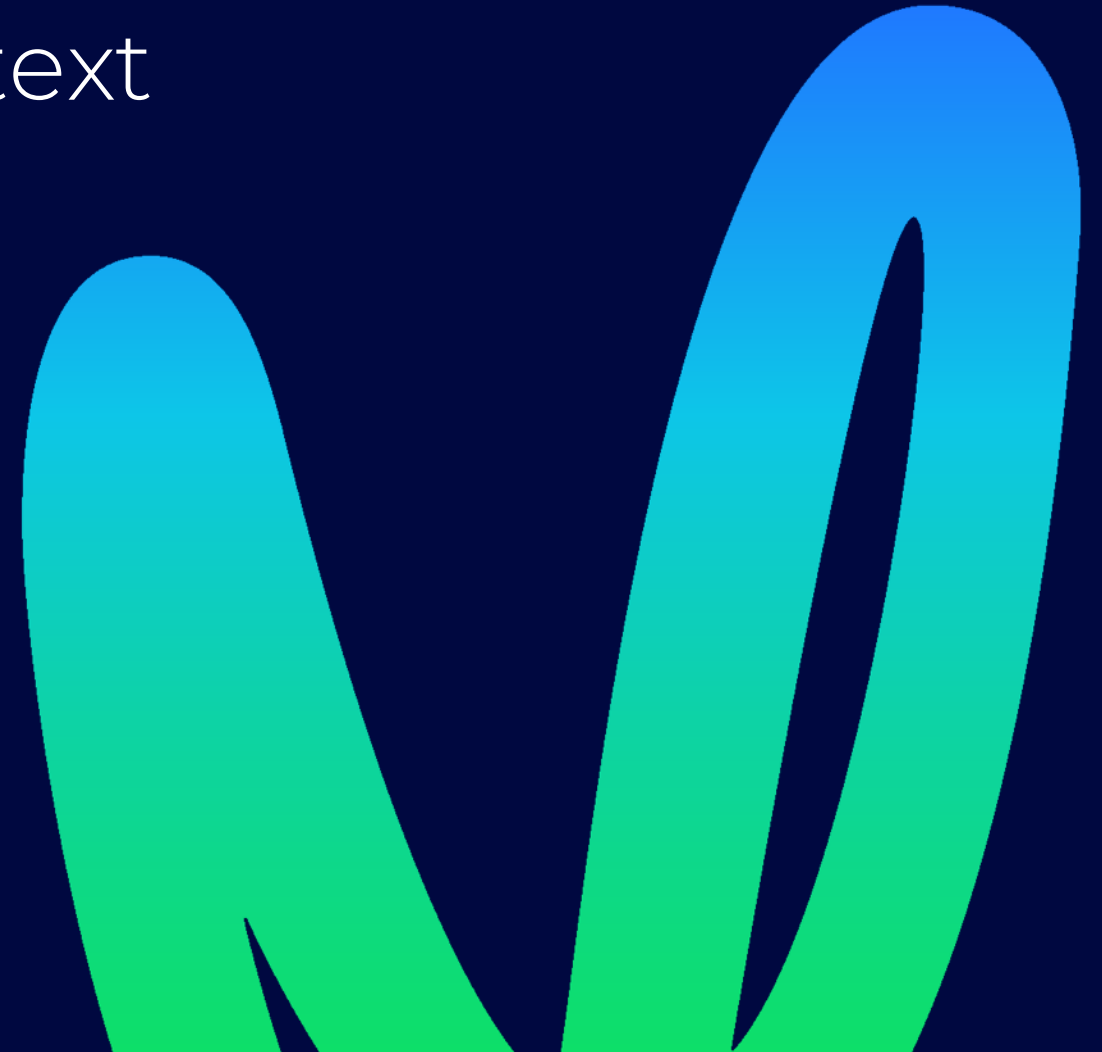


From Compliance to Context

Clearway Conference September 2026

How risk-based TTM delivered on Elliot Street





Background

The Vector network and TTM deployment

Network coverage - Mangawhai to Clevedon:

- 19,750km of cable, combined
- 120,000 power poles
- 15,500 ground mounted transformers
- 7,000 km of gas pipeline

High volume of CARs and TMPs

NZGTTM early adopter





Case Study

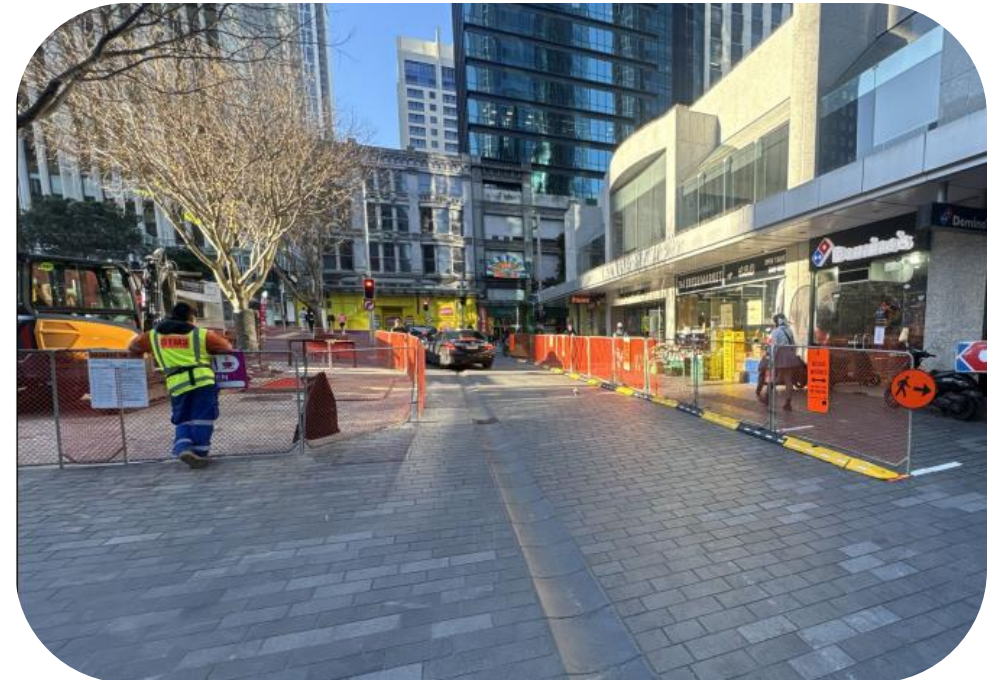
Elliott Street, Auckland CBD

Sensitive environment for TTM in central Auckland

- One-way shared space
- Hospitality & retail
- Car parking
- Heavy foot traffic

Comparative study of two similar high-voltage electrical pit works:

- 2022 under CoPTTM
- 2025 under NZGTTM





Findings

NZGTTM v. CoPTTM

27.6 hours less
traffic personal
exposure

21 of 22 risks were
lower

96% fewer cones

66% fewer signs

40% less fencing

Active risk
management
approach





What was different?

- > Involvement in early assessment
- > Support innovation
- > Stakeholder engagement
- > On-site Ambassador
- > Safe, legible and intuitive environment for pedestrians
- > Active risk management
- > Dynamic optimisation of TTM equipment to match risk

- Continuous learning loops
- Targeted training

