

Newmarket Rail Interchange Rail Re-signalling

Project: Auckland Metropolitan Network Train Control & Re-signalling

Client: Invensys Rail

Location: Auckland

Contract Value: NZ\$900,000

Electrix was successful in winning the contract for the electrical installation of the new Rail Control Signals for the Newmarket Rail terminal interchange on Auckland's rail network.

This important project is the first stage in a state-of-the-art signalling system is being installed to enhance the security and reliability of Auckland's rail network. Once completed in 2012 it will become one of the most advanced systems in operation anywhere in the world.

This first section was based around the newly completed Newmarket Train Terminal and had to be undertaken during a three week Block of Line period over Christmas and New Year 2009-10.

With very limited time for preparation and planning, Electrix established on site and quickly started laying cables in existing ducts and working with the civil subcontractor to install signal masts and new cable ducts. Central control hut's were erected and fitted out with the new control systems as cables, axle counters, track changers, control signals and remote location cabinets were installed and wired up at a frantic pace.

As the equipment arrived it was installed, the control cables were terminated and commissioning got underway to link the new Westrace System into the old to keep the entire network operational.

With only the three week Block of Line time slot available the teams worked extended hours and right through weekends and Public Holidays with everybody focused on delivering a quality outcome.

Much of the work was still being finalised, designed and developed as the project evolved. This required a high level of understanding and cooperation with all the project stakeholders. Electrix were able to call on its depth of additional people resources to add additional manpower as was needed.

The central triangle which connected the three double tracks to provide the interchange was extremely busy with many contractors all undertaking new installs and upgrades to the track layout and functions. Good Hazard Identification and safe working practices were continuously reinforced with pre-start meetings a vitally important step in insuring all the team members were aware of the risk and hazards that were happening about them.

The project was completed on time for the opening of the new station terminal and expansion of rail network.



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