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EVERYTHING FITS

City Rail Link

New Zealand's Largest Project

THE \$5.493 BILLION PROJECT IS AN AMBITIOUS ENDEAVOR, MARKING THE MOST SIGNIFICANT TRANSPORT INFRASTRUCTURE INITIATIVE EVER UNDERTAKEN IN NEW ZEALAND.

The City Rail Link Project (CRL), undertaken by Link Alliance stands as one of New Zealand’s most significant infrastructure developments, aiming to transform Auckland’s public transportation network.

As the country’s largest-ever transport infrastructure project, the CRL involves the construction of an underground rail link to enable seamless travel and reduce congestion in the Auckland city. The project will significantly improve commuting times, increase transport capacity and enhance accessibility to key areas of Auckland.

Construction of the stations and supporting rail infrastructure is now expected to be completed by Link Alliance, by November 2025.

Following the end of the construction programme, CRL will hand over the completed infrastructure to KiwiRail and Auckland Transport. Auckland Transport is responsible for the region’s public transport service. It will be responsible for determining the routes and new timetables. It is expected to open in early 2026.

Moddex worked with Link Alliance to supply a total of 1946m of modular handrails and balustrades including our CB10 Mesh Balustrade and TR20 and TR25 industrial handrails to various areas of the project. The handrails were designed to meet specific safety requirements, including integrated LED lights within the CB10 Mesh Balustrade.



OVERCOMING PROJECT CHALLENGES

ENSURING THAT EVERY PROJECT IS COMPLETED WITH PRECISION, QUALITY, AND CLIENT SATISFACTION.



INSTALLATION CHALLENGES AND HOW THEY WERE OVERCOME

One of the primary challenges Moddex faced during the project was working around active rail lines during installation.

The installs needed to be completed within a strict two-day period to minimize disruption to train services. By working closely with Link Alliance and key stakeholders, Moddex carefully scheduled our installations and successfully installed our barriers within the designated time frames, minimising disruption to train operations.

Due to the large scope of the project and the requirements for precise alignment and fitting of the barriers to ensure compliance with safety standards, Moddex utilised laser scanning technology to capture detailed measurements of the project area. This allowed for precise design and manufacturing of the handrails, reducing the margin for error, and facilitating a streamlined installation process.



DESIGN CHALLENGES AND HOW THEY WERE OVERCOME

Moddex faced a unique design challenge during the project, involving the integration of LED lights within the CB10 mesh balustrade.

This was a difficult feature to design, and required careful planning and execution to achieve the desired outcome. By maintaining close communication with the client, Moddex delivered a suitable solution that the client was fully satisfied with.



With Moddex, Everything Fits™.

Isn't it great when everything just clicks into place? The whole world's going your way and nobody can stop you.

That's the vision of service Moddex has for their customers — they want you to feel that 'everything fits' when you trust them with your project's balustrade, handrail or accessway requirements.

All information provided correct as of April 2024

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