

# Rail Group Overhead Wiring Design

Laing O'Rourke has a long history in the railway construction industry and is widely recognised for having the ability to deliver any size of project with a certainty of time and budget.

## Our Team

The Laing O'Rourke Rail Design Group brings together an experienced team with a complete understanding of the complex demands of the rail industry.

Many members of the design team have worked in both design and construction roles and this depth of understanding ensures the development of total design solutions.

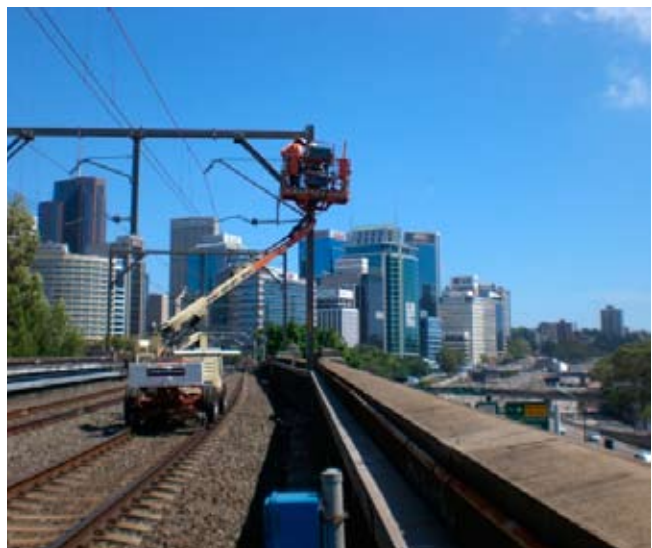
The team provides a range of services to clients including:

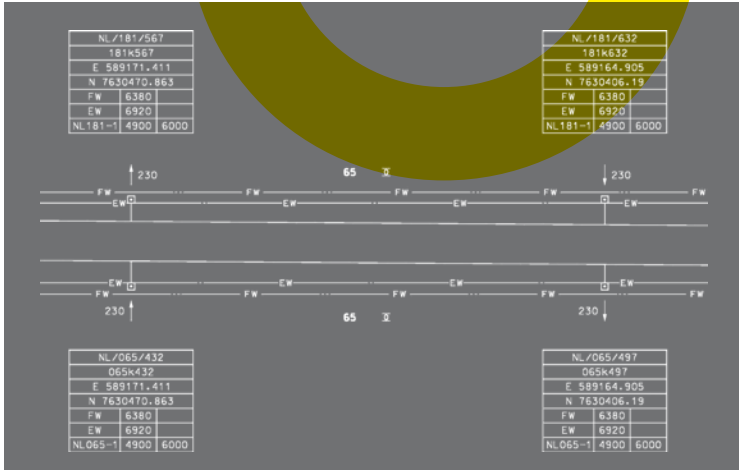
- maintenance programming
- studies
- concept/ detail design
- construction supervision
- construction design support
- commissioning and management functions

The team at Laing O'Rourke Rail Overhead Wiring Design Group brings to any project the range of experience and understanding that can only be achieved with extensive involvement in the overhead wiring discipline.

Team members have worked extensively with different rail systems and operators from many parts of the world including Australia, New Zealand, Asia, United Kingdom and Western Europe

In-depth knowledge of the challenges of working in an operating rail environment combined with a genuine understanding of the needs of rail operators ensures that realistic overhead wiring design solutions are prepared for each project.





## Capability

Disciplines within the Laing O'Rourke Rail Design Group include Overhead Wiring, Traction Power, Track and Signalling.

Having one team with experience in all of these disciplines ensures that the best design solution is achieved. A seamless interface between each discipline ensures that design coordination issues are totally eliminated.

Laing O'Rourke is a quality endorsed company with ISO 9001 and Rail Safety System Operator Accreditation providing clear guidelines regarding Design, Occupational Health, Safety and Environmental Management. Guidelines which apply to all Laing O'Rourke activities including design and construction.

## Overhead Wiring Design

The team undertakes overhead wiring design work of any kind, from minor works (such as adjustments) to suit track realignments and configuration changes through to major projects such as rail yards, junction redesigns and new route design.

Overhead wiring design is normally prepared in Microstation but the team will use any CAD system defined by the client.

For major projects, Laing O'Rourke uses in-house overhead wiring design software which offers significant benefits in reduced design resources through faster production, reduced manual input and checking — verification requirements.

In association with the Laing O'Rourke Construction Group, the Overhead Wiring Design Team offers integrated overhead wiring design and construction solutions assuring total synergy and interface management between the design and construction activities for the project.



**Contact us**

+61 7 3223 2300