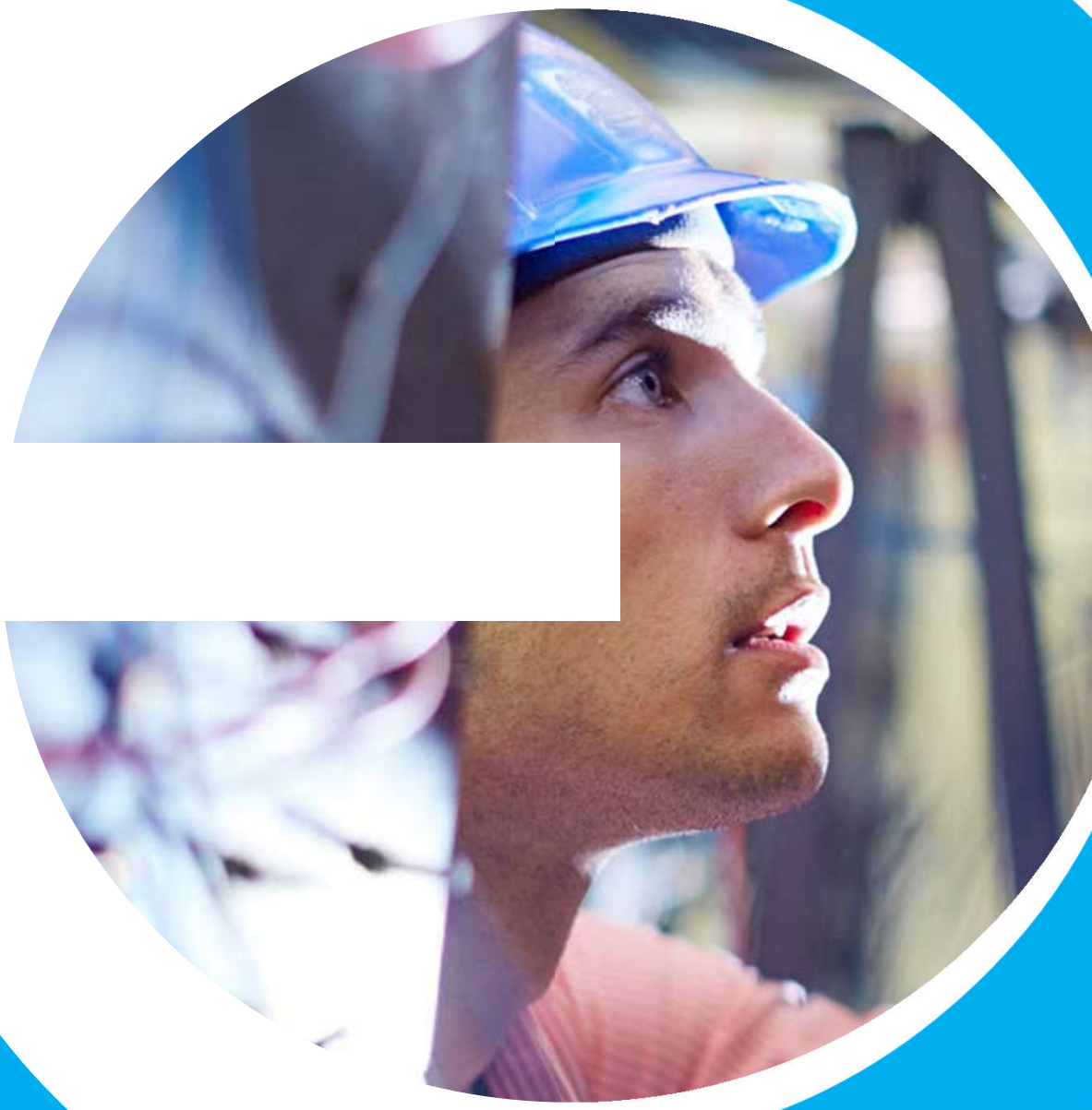
ELECDATA

Creating Connections



Electrical & Communications Infrastructure

Rail | Bus | Air | Marine | Road

Creating Connections

Over 25 years ago, Elecdata began providing telecommunications and electrical expertise. Since then, we have established a proven track record in major electrical infrastructure projects, particularly in the transport sector. We pride ourselves in having a level of expertise unmatched by other companies and understand the specific risks associated with infrastructure working environments.

Connecting cables, fibre, conduits and data enables our nation's rail, ports and roads to run efficiently so that our transport networks, in turn, connect people and communities.

Areas of Specialisation

Our Services

TRANSPORT

Elecdata has specialist experience in providing complex data, electrical, audio and visual solutions for major transport infrastructure projects. Our specialist electrical infrastructure services suit the

Following industry sectors:

- Road
- Buses
- Ferries
- Rail
- Air

RAIL SERVICES

We have comprehensive experience in providing data, electrical, audio and visual solutions to Sydney Trains and Transport for NSW. We have developed a safety and quality system in conjunction with Sydney Trains that satisfies their rigorous safety, quality and environmental requirements.

Our rail services include:

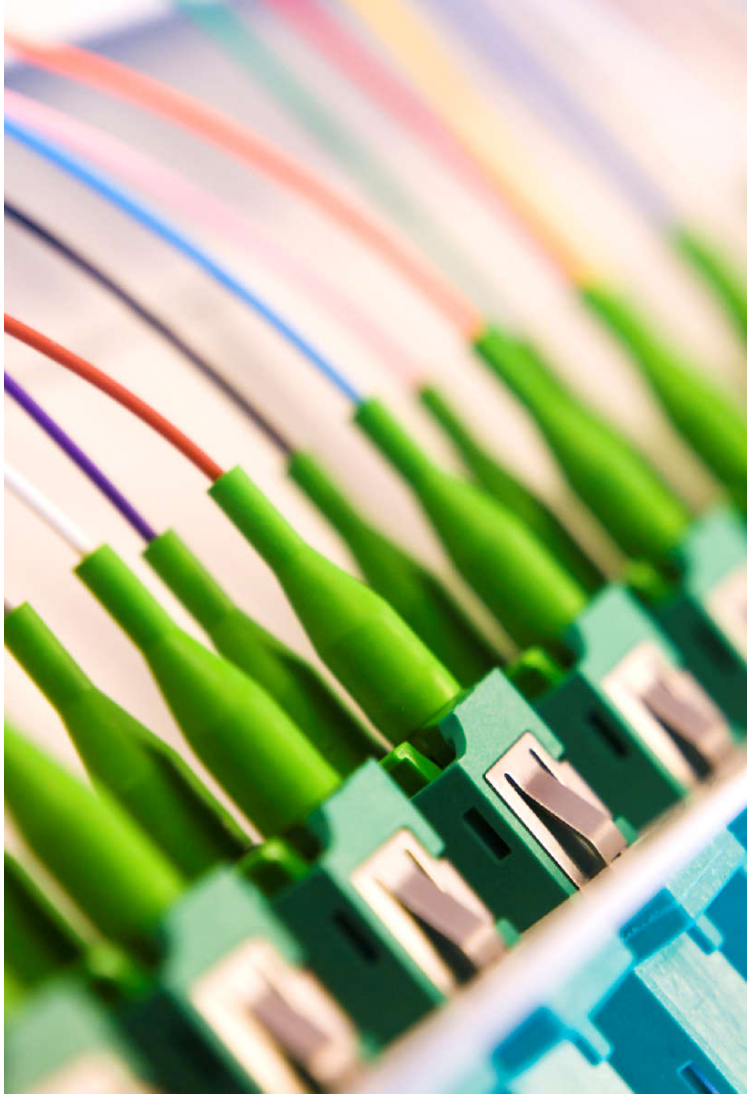
- Data, fibre, voice and electrical cabling throughout the rail networks from stations and depots to offices
- Installation of station passenger information equipment and cabling
- Cabling and containment within the rail corridor
- Fibre and copper backbone cabling and terminating
- Audio installation to train stations
- Installation of information screens and brackets
- CCTV
- Station construction, refurbishment and repair.

FIBRE OPTIC CABLING

Elecdata has extensive in-house experience in fibre optic installation, terminating, testing and fault finding. We can provide a new fibre solution for your organisation or add to your existing infrastructure.

Our Fibre Optic services include:

- Fibre cable installation
- Fibre optic splicing and joining of all fibre types including Single Mode OS1 & OS2 and Multi Mode OM1, OM3 & OM4.
- Supply and installation of rack mount and wall mount fibre enclosures.
- Termination of fibre in pits, service poles, racks, wharfs, train stations, data centres, campuses and schools.
- Testing & Certification of fibre optic installations
- Fault finding and cable analysis using OTDR test equipment and visual fault locators
- Supply fibre patch leads and patching.



ELECTRICAL INSTALLATIONS

Whatever your requirements small, large or complex, our electricians provide services with attention to both quality and detail. We can completely fit-out your shop or office space, installing electrical services with a focus on safety and efficiency.

Our electrical services include:

- Distribution Board installation or upgrade
- Mains and submains cable installation
- Earthing and bonding
- Signage Installation
- Installation of pits and conduits
- Industrial electrical solutions
- UPS Installations
- Energy Saving Systems
- General Office Power Fit-out
- General Office Lighting Installation.

AV INSTALLATIONS

Elecdata supply and install professional Audio Visual equipment, integrating video conferencing, multimedia and interactive solutions to your specifications.

Our AV services include:

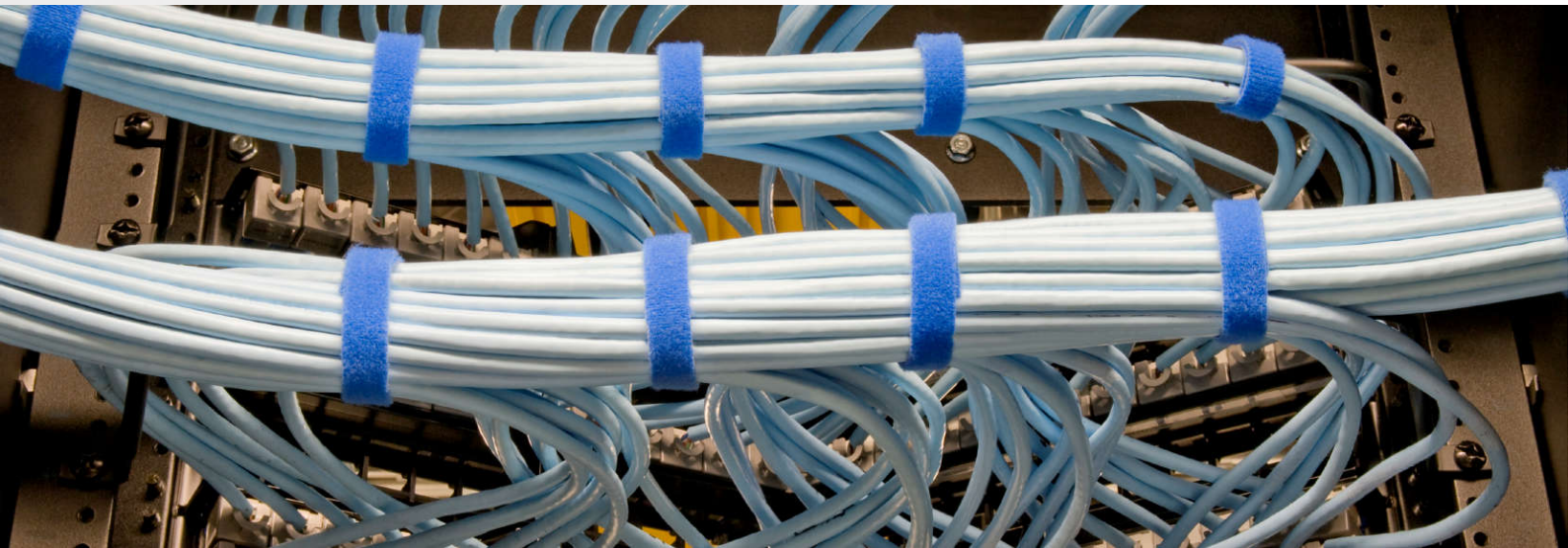
- Projector brackets and installation
- Motorised and pull down projector screens
- LCD / LED screen and monitor installation including a wide range of brackets to suit your requirements.
- Speaker Installation on train stations and offices
- PA Installation
- AV cabling and installation for schools and offices.

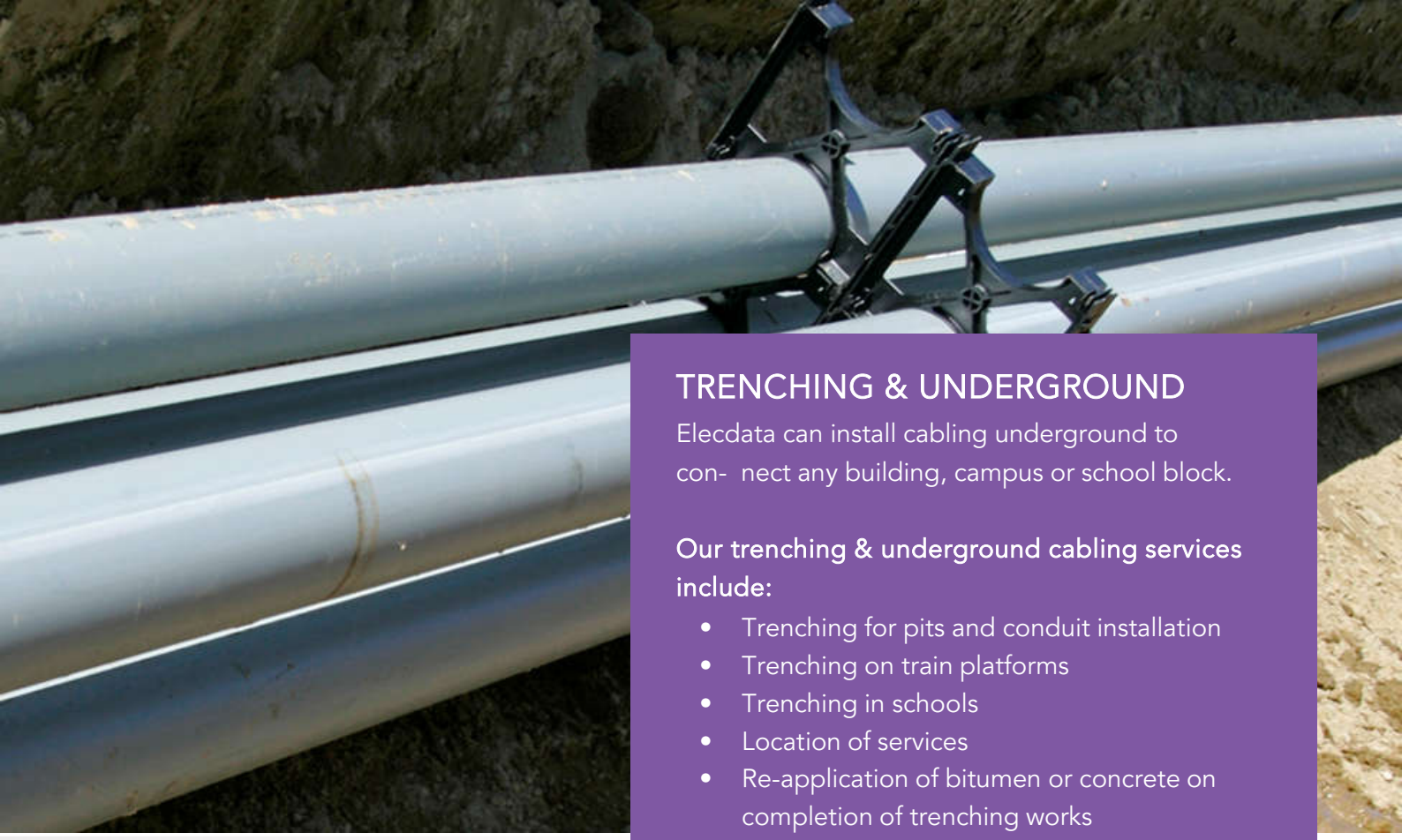
DATA CABLING

Elecdata has provided expert service and support for all structured cabling solutions for over 25 years. We ensure that we provide our clients with reliable and flexible data network infrastructure. We are affiliated and certified to install a large variety of quality cabling solutions including but not limited to: Molex, Panduit, TE / Krone, Leviton, Belden, and AMP.

Our data cabling services include:

- Network design
- Horizontal cabling including Cat5e, Cat6, Cat6A & Cat7
- Backbone cabling including fibre optic cabling and multi-pair voice cabling.
- Cable management solutions
- Rack installation and associated equipment
- Installation of network equipment, patching & connection
- WAP cabling and installation
- Supply and installation of ducted skirting
- Adds, moves and changes
- Testing and labelling
- Cabling Certification
- Our data technicians are ACA accredited and proud to deliver a quality data solution for your next project.





TRENCHING & UNDERGROUND

Elecdata can install cabling underground to con- nect any building, campus or school block.

Our trenching & underground cabling services include:

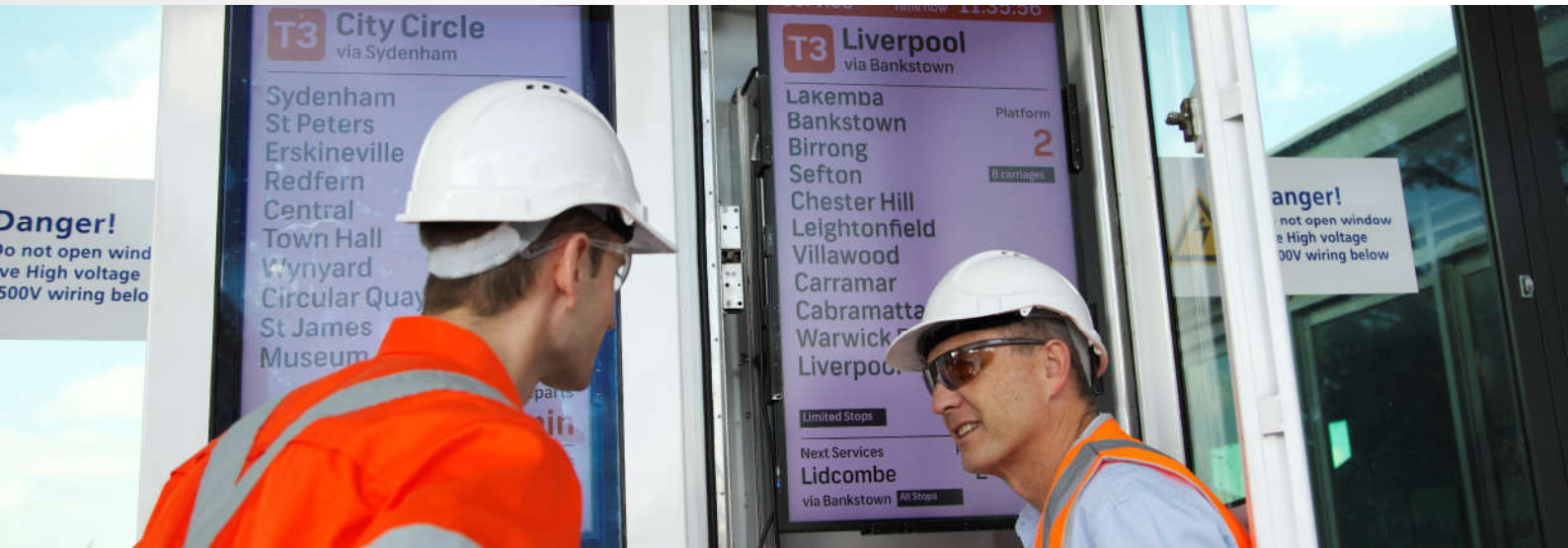
- Trenching for pits and conduit installation
- Trenching on train platforms
- Trenching in schools
- Location of services
- Re-application of bitumen or concrete on completion of trenching works
- Cable installation through pits and conduits
- Roding and installation of draw wires in existing conduits.

DIGITAL SIGNAGE INSTALLATION

Elecdata can supply and install a variety of electronic signage solutions to best promote your organisation.

Our signage services include:

- Design, fabricate and certify structural supports for hanging signage
- Train station signage installation
- School signage installation
- LED signage and VMS
- Data and electrical cabling for digital signage.



COMMUNICATIONS CABLING

Elecdata design and install voice and communications infrastructure to suit your organisation's requirements.

Our communications services include:

- Installation of multi pair Cat3 voice grade cable
- Installation of internal or external gel filled cable from 1pr to 100pr
- Installation of pits and conduits
- Termination of voice cables on disconnection blocks, patch panels or 110 frames
- Testing and labeling of voice cabling
- Main Distribution Frame (MDF) and Intermediate Distribution Frame (IDF) installation
- Jumpering and patching telephone lines and extensions
- Telecommunications Earthing system
- Telephone jumper and cable management solutions.

SECURITY

Elecdata supply and install security solutions for many of our transport and commercial clients. We can assist in reactive and planned maintenance as well as large scale roll outs across diverse locations.

Elecdata is equipped with the required specialist expertise to design, install and maintain electron- ic security systems. Our technicians are qualified, licensed and accredited with Electrical Licences, ACMA Cabling licences and Security Licenses.

Our security services include:

- IP CCTV Cameras
- Networks video recorders (NVR)
- Digital Video Recording (DVR)
- Electronic Access Control.

Elecdata | Creating Connections

Connecting People

Expertise

Our team members have all required ACMA and Electrical qualifications to meet all professional requirements for the in- stallation of Telecommunications and Electrical infrastructure.

All technicians are qualified to fulfil the obligations of working on rail networks.

Qualifications

- Rail Industry Worker Cards (RIW)
- Pegasus Cards
- WorkCover General Induction
- ACMA Licence – All endorsements (Structured, Optic, Coaxial, Underground and Aerial)
- Electrical Licence
- Senior First Aid
- EWP (Elevated Work Platforms) Licences
- Confined Spaces
- Working at Heights
- Testing and Tagging Licence

> We pride ourselves in having a level of expertise unmatched by other companies.

Our Track Record

SYDNEY LIGHT RAIL

Power & Lighting to Tram Stops

Client: Acciona

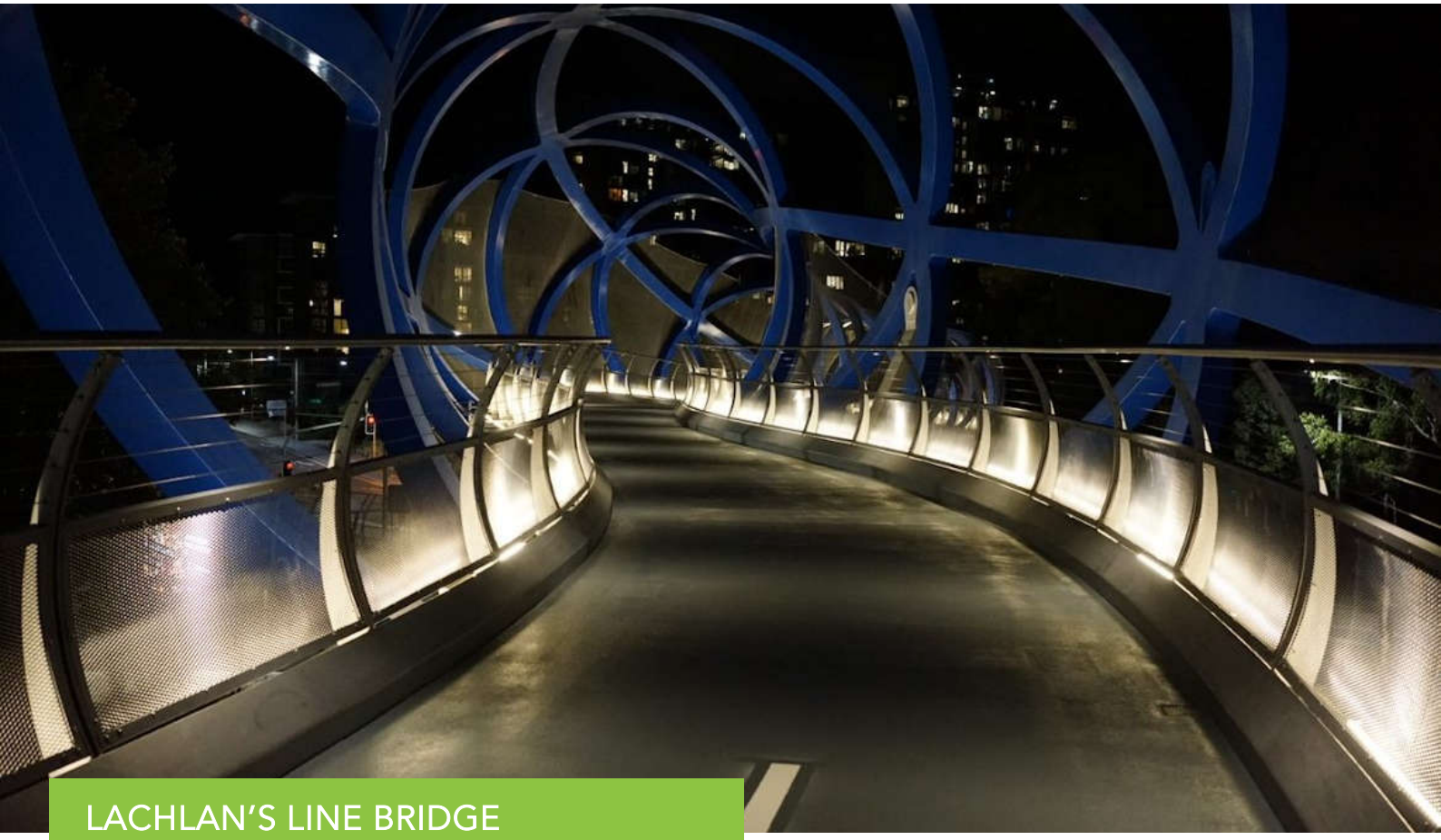
Duration: 12 months

Date of Completion: Oct 2019

Value: $5.3m

Scope of works Include

- Lighting and power to 19 tram stops
- 1200m of strip lighting
- 850 downlights
- Supply & installation of distribution boards & main switch boards throughout
- Supply & installation of electronic ticketing system
- Level 2 connections



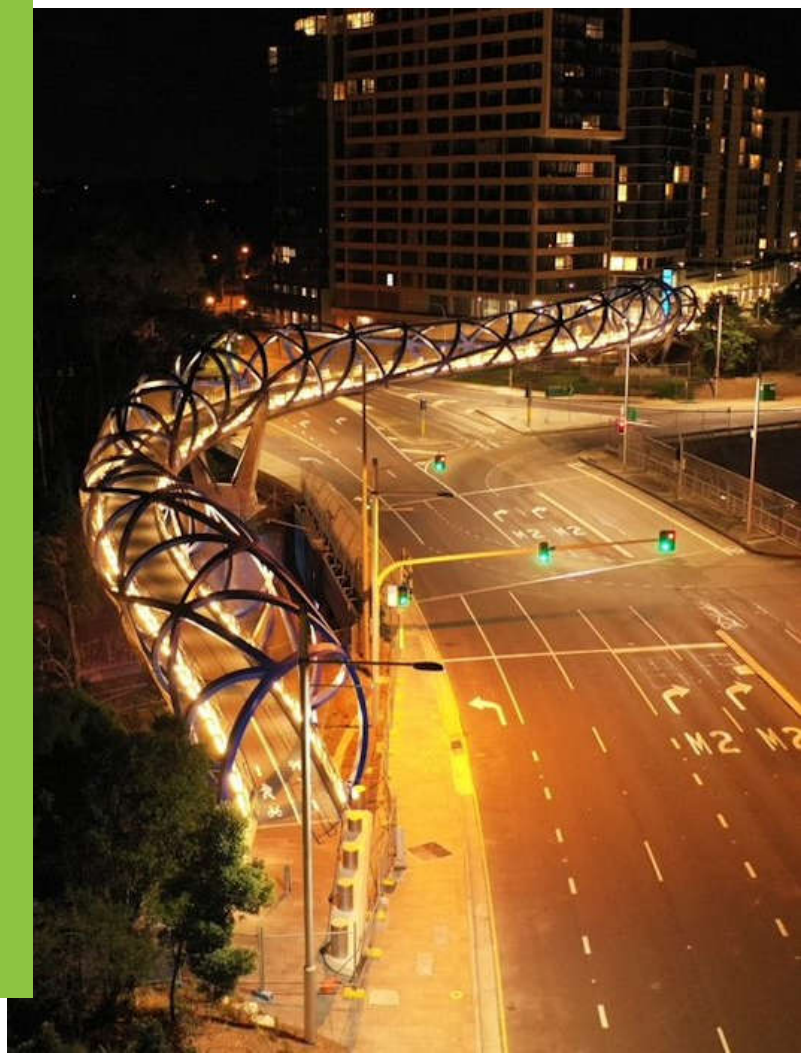
LACHLAN'S LINE BRIDGE

The Lachlan's Line Bridge is a uniquely designed double-helix bridge that is certain to become an iconic landmark in the North Ryde precinct. While its organic structure and colour scheme are bold, no less striking is the way this bridge lights up at night.

Client: Arenco
Duration: 16 Months
Date of Completion: May 2020
Value: $880k

Scope of works include:

- Approximately 55 Handrail Lights
- Approximately 200 Feature Lights
- Landscape Feature Lighting
- Artwork Lighting



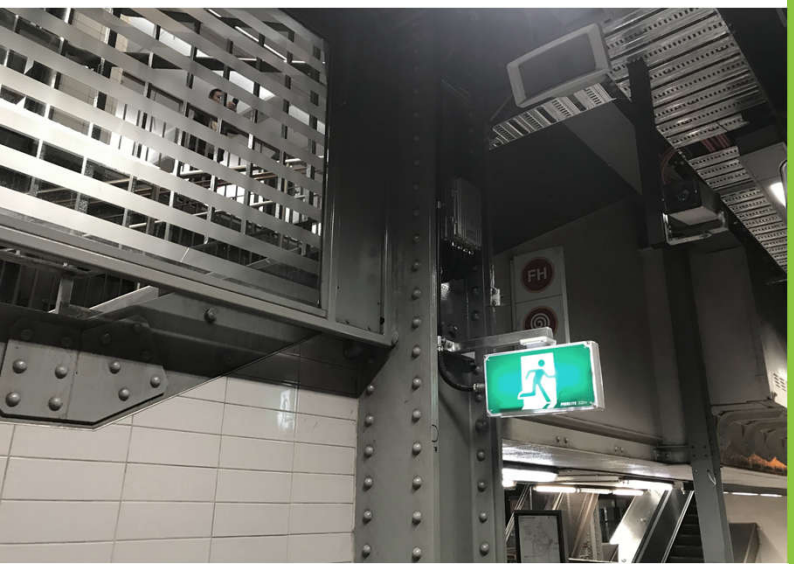
HMAS KUTTUBAL SUBMARINE CHARGING UPGRADE

Working on Department of Defence sites presents several unique challenges for both technicians and project managers. Elecdata was contracted to supply and install upgraded transformers, rectifiers, cope points and gantries for connection and deployment of the new Australian Navy Submarines.

Client: AMA Projects Pty Ltd
Duration: 14 months
Date of Completion: Dec 2020
Value: $2.7m

Scope of works include:

- Design, supply and installation of new Hotel and DC battery charging transformers
- Design, supply and installation of new DC battery rectifiers
- Switchroom refitting, including power, lighting, and cable trays
- Upgrade of exiting containment and cabling to suit new power requirements



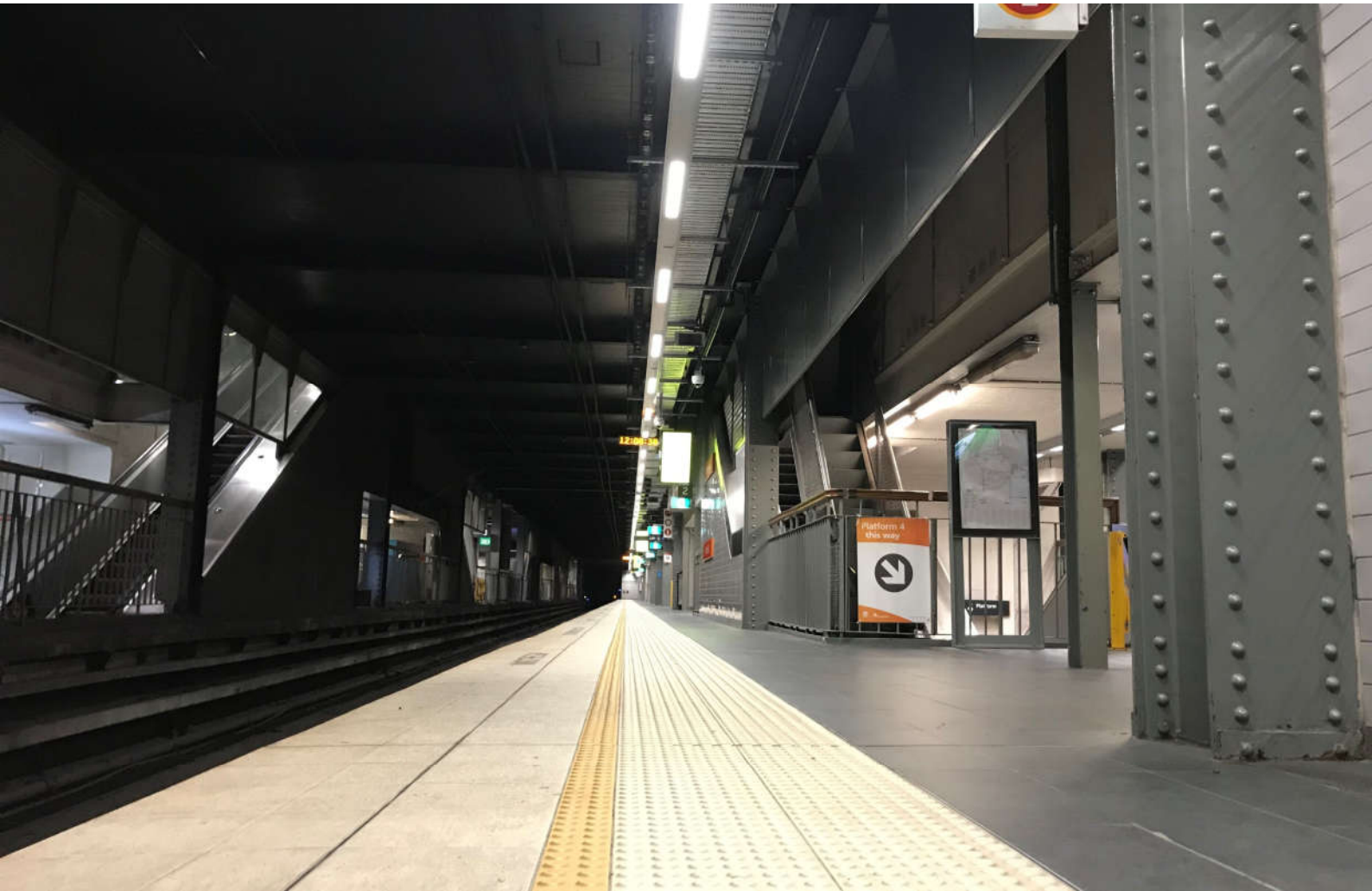
TOWN HALL TRAIN STATION

Elecdata implemented an upgrade program on Town Hall Station's electrical and communications assets that included lighting, distribution boards, Public Address systems, Audio Frequency Induction Loops and CCTV cameras.

Client: Sydney Trains
Duration: 12 months
Date of Completion: Oct 2019
Value: $5m

Scope of works include:

- 1285m of extrusion LED lighting
- 815 light fittings
- Replacement of 8 distribution boards
- Installation of 88 speakers including Network Amplifier Modules and associated cabling
- Installation of 18 Audio Frequency Induction Loops to train platforms
- Replacement of 160 CCTV cameras throughout the station



BERALA STATION UPGRADE

Elecdata provided electrical and communications upgrades to Berala Station as part of Transport for New South Wales' Transport Accessibility Upgrade Rollout

Client: Arenco
Duration: 8 months
Date of Completion: August 2017
Value: $651k

Scope of works include:

- Supply, installation and commissioning of pad mount Isolation Transformer
- Electrical and lighting throughout the station
- Mains, submains, and power to lifts
- Communications and network cabling
- CCTV Install
- Station platform information screens cabling and installation
- Public address system
- Ticketing systems installation

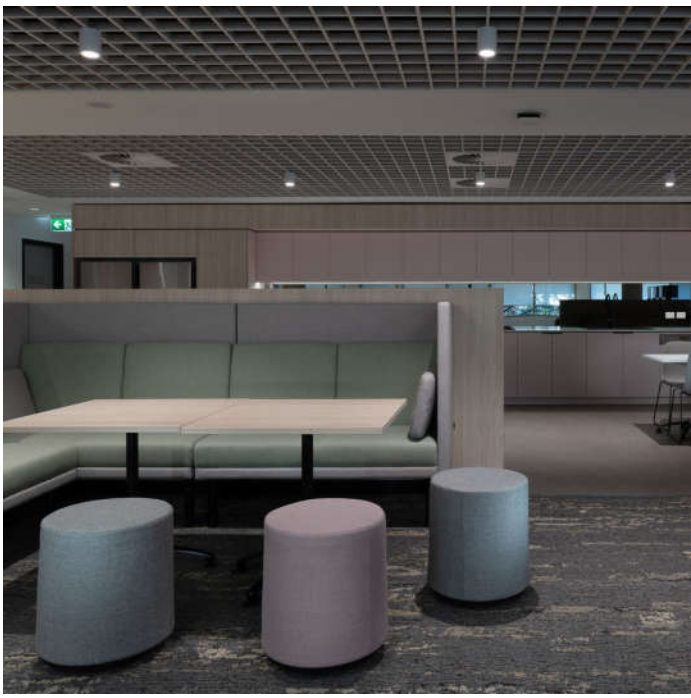
COMMERCIAL FIT-OUT

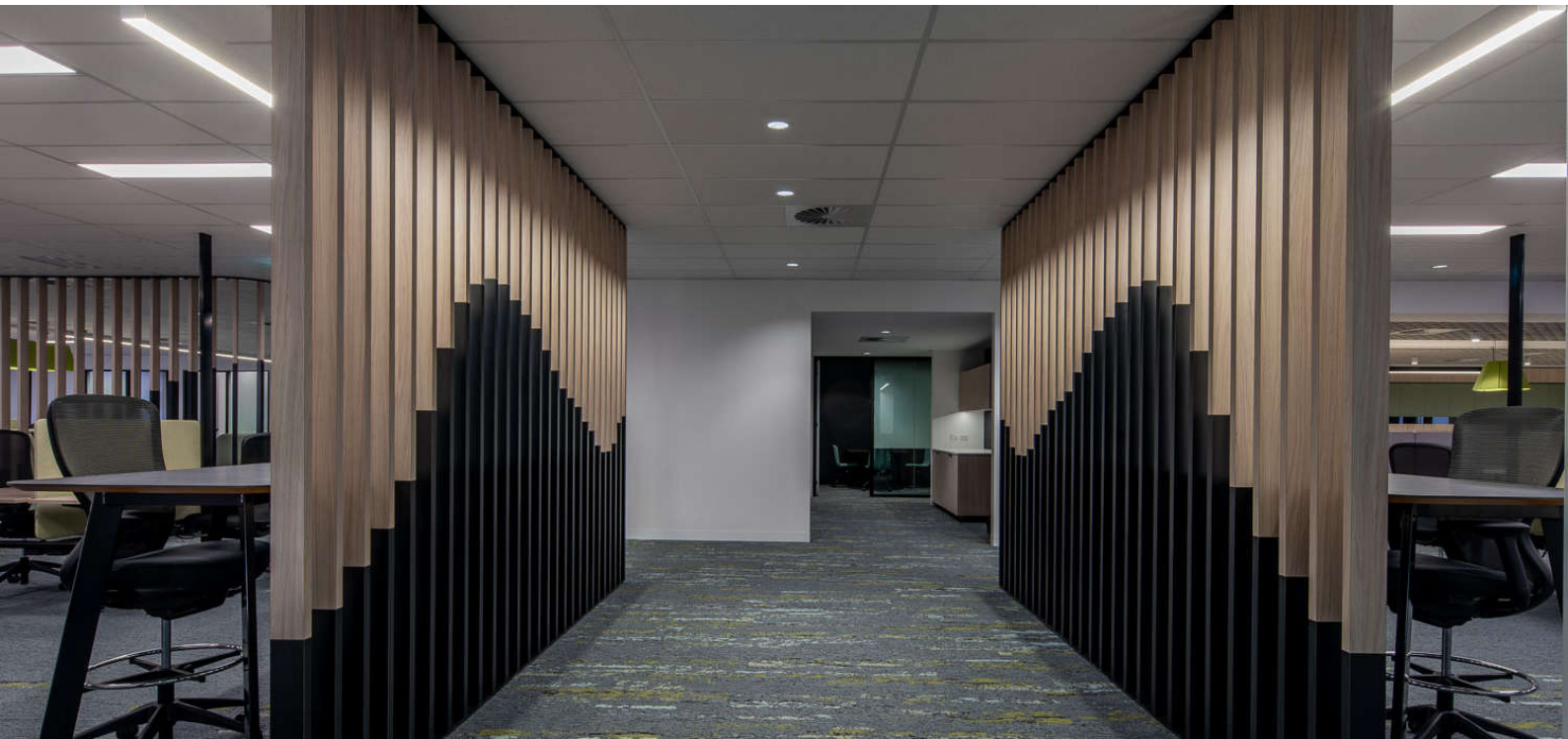
Elecdata was contracted to complete work on a three-level fit-out for the Department of Education and Department of Justice in Bathurst.

Client: Corporate Interior Projects
Duration: 4 Months
Date of Completion: Nov 2020
Value: $726k

Scope of works include:

- Installation of new power, lighting, and data
- The work was staged to allow continuous occupancy and use by client





Company We Keep

Our Clients

We understand the critical nature of live transport and the impact on services when conducting works around core infastructure.

Elecdata serves blue chip clients and is an ongoing installer for organisations including the following:

LAING O'ROURKE

CITY OF SYDNEY

Downer

NSW GOVERNMENT | TAFE NSW

NSW GOVERNMENT | Transport Roads & Maritime Services

ARENCO

ama

Transport Sydney Trains

acciona

NSW GOVERNMENT | Education & Training

JOHN HOLLAND

GARTNERROSE

ACCREDITATIONS

At Elecdata, we are committed to achieving excellence in everything we do. We are focused on providing a high quality service to our clients, and a safe working environment to our staff and clients, while well as minimising the impact of our activities on the environment.

Elecdata is committed to safety. We prepare site specific Safe Work Method Statements (SMWS) for every job prior to commencement and can provide a Safety Plan for projects if required.

Our Quality, Safety and Environmental Management System has been independently certified and meets the requirements of ISO9001, ISO45001 & ISO14001.

BESTPRACTICE CERTIFICATION ISO9001 QUALITY MANAGEMENT SYSTEM
BESTPRACTICE CERTIFICATION ISO14001 ENVIRONMENT MANAGEMENT SYSTEM
BESTPRACTICE CERTIFICATION ISO45001 OH&S MANAGEMENT SYSTEM

CERTIFICATION

AEO Transport for NSW Authorised Engineering Organisation

Elecdata is an accredited AEO service provider for Transport for NSW

neca national electrical and communications association Member

Elecdata is a member of the National Electrical and Communications Association of Australia.

NSW GOVERNMENT Fair Trading

Elecdata ensures that all our electrical tradesmen hold current Electrical supervisors licences.

Master Security Licence.

NSW GOVERNMENT Approved Supplier SCM0020

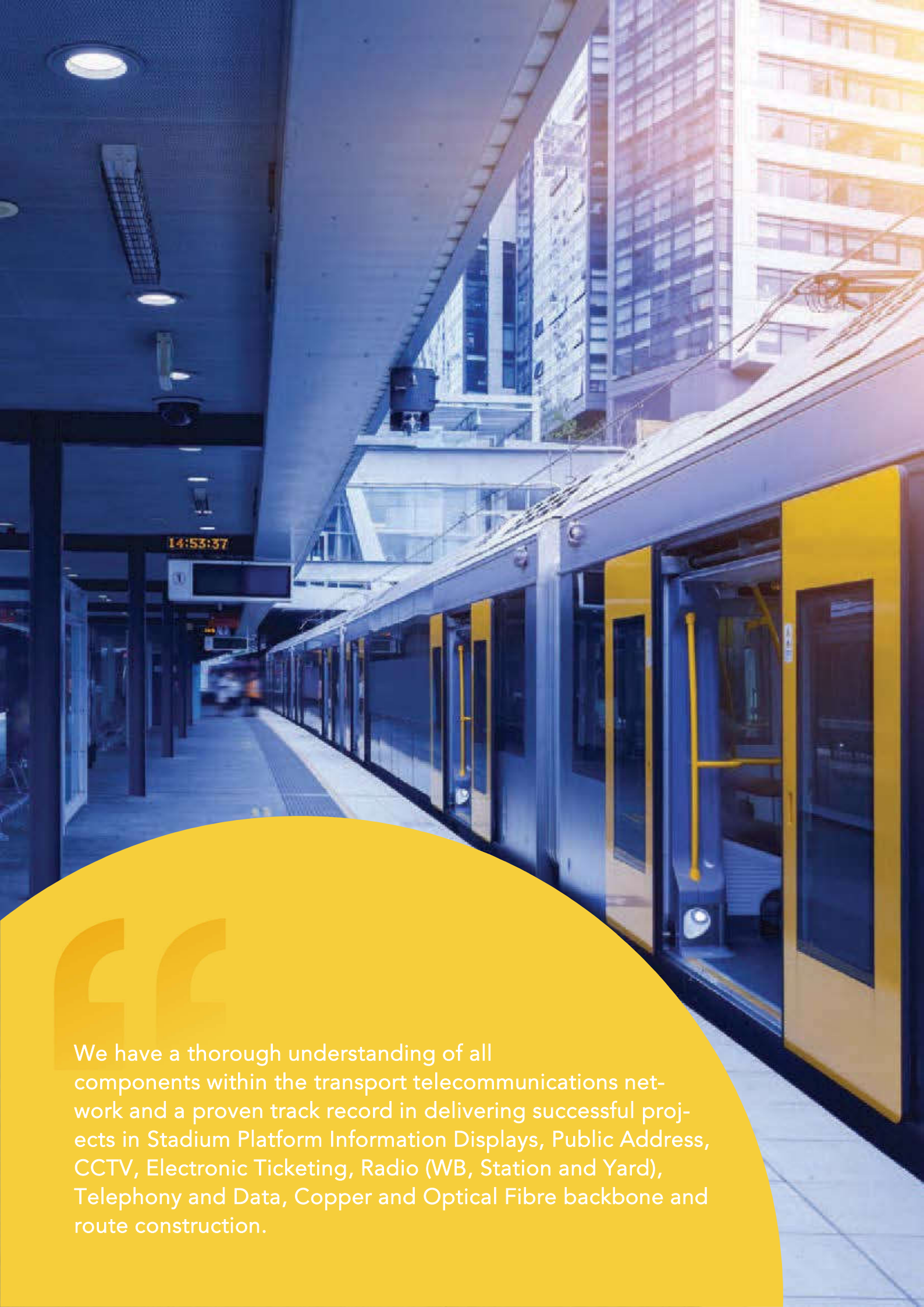
Approved supplier under the NSW Government Contract.

ACRS MASTER CABLER

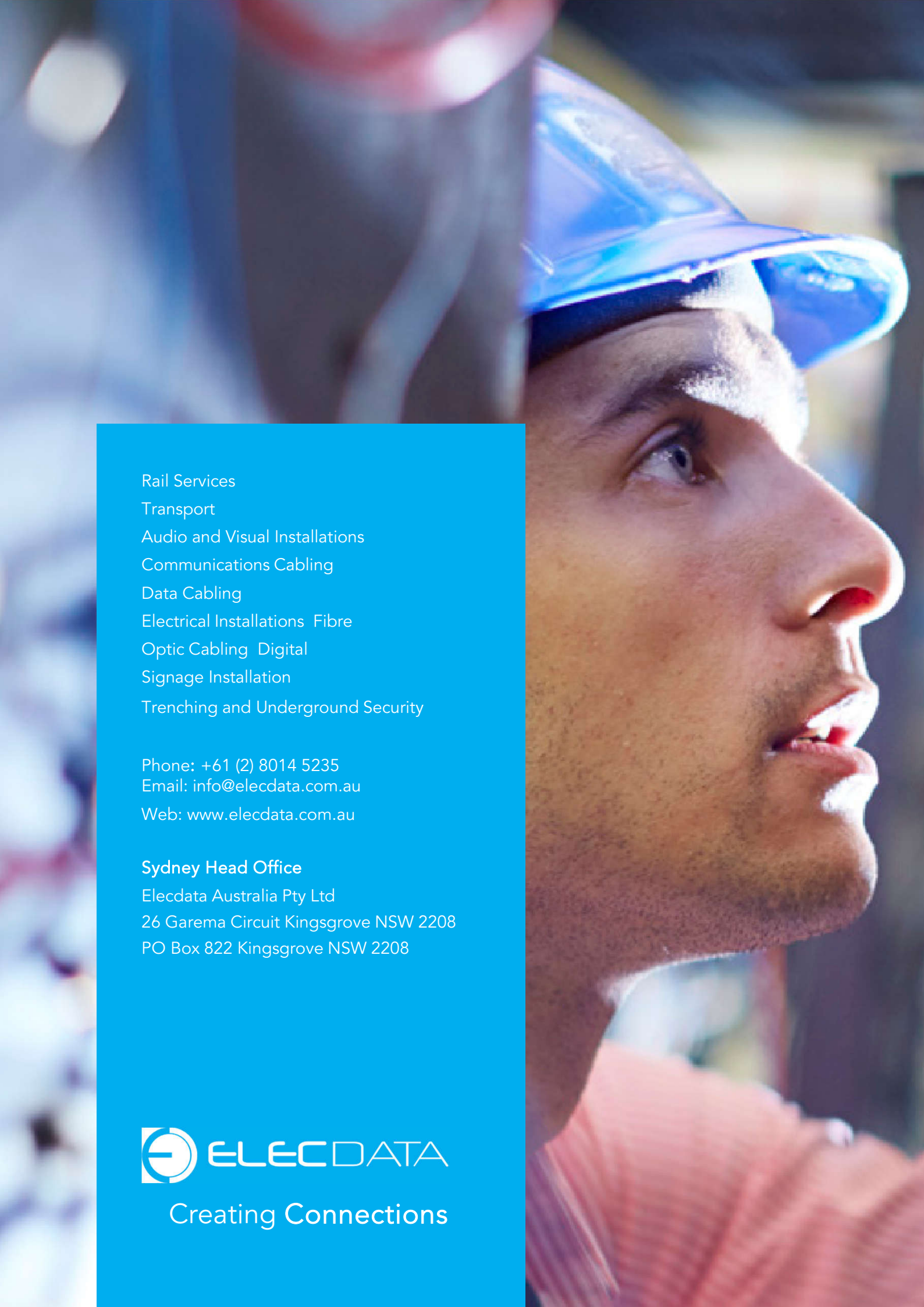
Our data technicians are accredited by the ACRS and hold Open register cabling licences with relevant endorsements.

INSURANCES

Public Liability	Insured Limit	$50,000,000
Professional Indemnity	Insured Limit	$20,000,000
Motor Vehicle	Liability Limit	$50,000,000
Goods in Transit Insurance	Liability Limit	$80,000
Workers Compensation	Liability Limit	Compensation Benefits & Common Law Liability



We have a thorough understanding of all components within the transport telecommunications network and a proven track record in delivering successful projects in Stadium Platform Information Displays, Public Address, CCTV, Electronic Ticketing, Radio (WB, Station and Yard), Telephony and Data, Copper and Optical Fibre backbone and route construction.



Rail Services
Transport
Audio and Visual Installations
Communications Cabling
Data Cabling
Electrical Installations Fibre
Optic Cabling Digital
Signage Installation
Trenching and Underground Security

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