



# SIMPEC

VERTICALLY INTEGRATED SMP, E&I AND CIVIL SOLUTIONS  
FOR CAPITAL PROJECTS AND MAINTENANCE

## WHO WE ARE

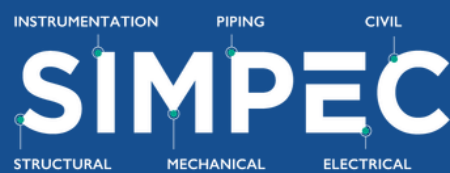
At SIMPEC, we proudly demonstrate our extensive capabilities to provide specialised SMP (Structural, Mechanical, Piping), E&I (Electrical & Instrumentation) and Civil Services to a broad cross section of clients and asset owners.

From tier one clients to specialty contractors, our unique approach and scalability results in a seamless integration with all teams, allowing the focus to remain on safely achieving project milestones and budgets.

## VERTICAL SOLUTIONS

SIMPEC provides world class vertical solutions spanning fabrication, construction and maintenance of our clients' assets, providing Structural, Instrumentation, Mechanical, Piping, Electrical and Civil disciplines.

SIMPEC has the expertise and experience to handle projects of various sizes across the country.



## SAFETY CULTURE

Our SIMSAFE strategy is aligned with our company values and focuses on continuous improvement. It is intended to drive positive safety outcomes and reduce the risk of harm to our people and the environment.



SIMPEC is proudly ISO certified and approved by the Office of the Federal Safety Commission (OFSC).



Lead Positively | Create Teams | Be Like No Other





# ELECTRICAL & INSTRUMENTATION CAPABILITIES

(Electrical Contractors Licence Number - EC007766)

SIMPEC's highly qualified Electrical and Instrumentation (E&I) division installs, commissions and maintains greenfield and major brownfield upgrade projects in remote and challenging environments.

We offer flexible services in innovative ways that ensure we deliver on your requirements. Our expertise also includes consultancy services to assist you with bridging the gap to achieve commercial viability.

## INDUSTRY SECTORS

- Defence
- Hydrogen & Decarbonisation
- Industrial & Manufacturing
- Ports and Materials Handling
- Oil and Gas
- Tunnels and Infrastructure
- Rail
- Mining and Minerals
- Renewable Energy & Microgrid projects
- Water and Wastewater

## ELECTRICAL INSTALLATIONS

- Hazardous Area
- Underground conduit systems and ducting
- Cabling installation and termination
- Secondary steel, infrastructure, and containment
- LV and MV switchgear and distribution
- Lighting and emergency lighting systems
- HV and LV systems
- Earthing systems and grids
- UPS systems
- MV/HV underground cable installation and termination
- Site protection and control panel manufacture

## TESTING AND COMMISSIONING

- Assist clients with FAT and SAT Testing
- Work with the client to structure, implement and run project completions systems in line with commissioning plans. (SIMPEC utilises the **Hexagon Completion System** which can be tailored to any project size).
- Implement and run simple and complex Permit to Work Systems
- Cables, transformers and control cubical terminations
- Substation and switchgear
- Earth grids and lighting arresor protection systems
- Assembly of HV switchboards
- Instrument Commissioning
- Quality Assurance and Completions
- LV cabling installation and termination
- Fixed plant E&I construction

Proudly recognised as a

**Veteran Friendly Employer.**



**Veteran Friendly Employer**



## Contact us

 1300 351 888

 [info@simpec.com.au](mailto:info@simpec.com.au)

[WWW.SIMPEC.COM.AU](http://WWW.SIMPEC.COM.AU)

# E&I FEATURED PROJECTS

## SYDNEY METRO CITY & SOUTHWEST LINE-WIDE WORKS PROJECT

Sydney Systems Connect

SIMPEC provided Electrical Construction, Quality Assurance, Test and Commissioning and Permit to Work (PTW) office control services throughout the Sydney Metro and Southwest project.

### Scope:

- LV testing & commissioning
- DC traction termination and testing
- Installation all tunnel and station drainage sumps.
- Station wide E&I works including installation and testing of HV & LV switch rooms.
- Tunnel wide E&I work of all electrical and control equipment.
- Tunnel and station containment of installation
- Control of PTW office and all electrical and mechanical isolations throughout the test and commissioning phase of project.
- Tunnel ventilation system electrical and control installation and QA

**Location:** Sydney, NSW

**Duration:** 20 Months

**Value:** \$13million

## SYDNEY METRO PROJECT

Thales GTSA

SIMPEC were chosen by Thales to provide electrical and communication construction, quality assurance and test and commissioning of the Central Control Systems (CCS) and Communication packages of Martin Place Station along with the completion and commissioning other Sydney Metro sites.

### Principal Components:

- Central Management Control System
- Database Management System
- Operator and maintenance workstations
- Integrated backup panels
- Front-End Processors, Field Programmable Logic Controller
- MCS local area network
- Operator consoles, workbenches, kick bars and panic buttons
- Software proofing platform/software development system
- Training system
- Data Communications Network
- Communication Systems and subsystems.

**Location:** Sydney, NSW

**Duration:** Ongoing

**Value:** Ongoing

## WESTCONNEX NEW M5 & M8 TUNNEL

CPB / DRAGADOS / SAMSUNG C&T

The M5 provides twin underground motorway tunnels, nine kilometres long, from Kingsgrove to a new St Peters Interchange at the site of the old Alexandria landfill facility.

### Scope of Work:

- Project Management
- Procurement of equipment, cables and labels
- Installation of complete electrical and communication systems within the tunnel
- Testing of the MEPS FEPS and Emergency systems
- Completion works within the tunnel
- Commissioning, Testing and Certification of complete system

### Key Performance Data:

- Employed 60 personnel for over 30,000 Hrs
- Zero LTI and Zero TRIFER
- Installed 25 kilometres of cable with 14,000 terminations

**Location:** Sydney, NSW

**Duration:** 12 Months

**Value:** \$5.9 Million

## SOUTHWEST STATIONS

Hitachi Rail

SIMPEC were chosen by Hitachi Rail to provide electrical and communication construction, quality assurance and test and commissioning of the Central Control Systems (CCS) and Communication packages South West Stations.

### Project Scope

- Central Management Control System
- Database Management System
- Operator and maintenance workstations
- Integrated backup panels
- Front-End Processors, Field Programmable Logic Controller
- MCS local area network
- Operator consoles, workbenches, kick bars and panic buttons
- Software proofing platform/software development system
- Training system
- Data Communications Network
- Communication Systems and subsystems.

**Location:** South West, NSW

**Duration:** Ongoing

**Value:** Ongoing



LEAD POSITIVELY



CREATE TEAMS



BE LIKE NO OTHER