



KONIC | GROUP

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Konic Group Company Profile & Capability Statement

Services Summary

Konic Group is a specialist electrical contractor providing installation, testing and commissioning services for high voltage infrastructure across renewable energy, transmission, distribution and industrial sectors.

Our services focus on the delivery and verification of complex electrical systems, including packaged substations and power transformers.

Key services include:

- High voltage equipment installation and assembly
- Containerised and skid-mounted substation installation and verification
- Site Acceptance Testing (SAT)
- Protection system testing and commissioning
- Power transformer installation, testing and commissioning
- Integration and system commissioning testing
- High voltage diagnostic testing
- Transformer oil processing and regeneration
- Commissioning support for large-scale infrastructure and energy projects

Company Overview

Konic Group is an Australian specialist electrical contractor delivering technical services for high voltage assets including power transformers, packaged substations, turbine substations, solar skids and associated protection and control systems.

Konic Group operates nationally and has developed a strong reputation for delivering technically complex electrical infrastructure projects requiring precision installation, detailed testing and strict compliance with network owner requirements.

Our personnel have extensive experience working within energised transmission environments and large renewable energy developments, delivering commissioning and site acceptance testing across multiple projects simultaneously.

Where additional specialist capability or workforce scaling is required, Konic Group maintains relationships with approved and prequalified contractors who may be engaged when required to support project delivery while maintaining the company's safety, quality and technical standards.

Core Capabilities

High Voltage Installation & Equipment Handling

Konic Group has extensive experience in the installation and assembly of high voltage equipment, including power transformers, packaged substations and containerised electrical systems.

Our work routinely involves the delivery, positioning and installation of large and sensitive electrical equipment requiring detailed lift planning and careful handling.

Typical installation scopes include:

- Delivery coordination and receipt inspection
- Crane lift planning and execution
- Placement and alignment of containerised substations and electrical skids
- Assembly of transformer accessories and auxiliary systems
- Oil processing and filling
- HV and LV cable termination
- Protection and control wiring verification
- Earthing and bonding installation
- Pre-commissioning inspections

The company has completed installation and commissioning works on approximately 80–100 power transformers ranging from distribution class units through to large transmission assets. These works are frequently completed to the requirements of transmission network owners including:

- ElectraNet
- Transgrid
- AusNet

Site Acceptance Testing (SAT)

Konic Group provides comprehensive site acceptance testing services for packaged electrical systems, ensuring equipment is verified following transport, installation and integration with site infrastructure.

Konic Group has extensive experience testing containerised substations, skid-mounted substations, wind turbine substations and solar inverter skids installed across large energy and infrastructure developments.

SAT activities typically include:

- Mechanical inspection and verification
- Protection relay testing
- Protection scheme verification
- CT and VT polarity and ratio testing
- Secondary injection testing
- Functional protection testing
- LV switchboard testing
- UPS system verification
- Control and SCADA interface testing
- Transformer testing
- Earthing verification
- Interlocking and safety system checks

Testing is carried out using industry standard commissioning equipment including Omicron and Doble test platforms, alongside specialised high voltage diagnostic equipment. Our teams are experienced in performing testing to the standards required by network owners, equipment manufacturers and EPC contractors.

Integration & Commissioning Testing

In addition to SAT testing, Konic Group provides integration testing and commissioning support to ensure electrical assets operate correctly as part of the wider power system.

Typical integration testing includes:

- Protection scheme integration
- Generator or inverter synchronisation testing
- Interlocking verification
- Communication system testing
- SCADA and monitoring verification
- System energisation support
- Fault response verification
- Grid compliance testing

This work is commonly undertaken across renewable energy projects where multiple generation units and substations must be integrated into a single network.

Containerised Substation Experience

Konic Group has significant experience working with containerised and skid-mounted electrical substations used across renewable energy projects and major infrastructure developments. These systems typically integrate multiple electrical components within a single packaged structure, requiring detailed inspection, testing and commissioning following transport and installation.

Typical equipment contained within these systems includes:

- Medium voltage switchgear
- Protection and control systems
- Power transformers or distribution transformers
- Low voltage switchboards
- UPS systems
- Neutral earthing equipment
- Control and communication interfaces

Konic Group has delivered site acceptance testing and commissioning of large numbers of these systems across multiple projects where consistent testing methodology, documentation and coordination are critical to project delivery.

Project Experience

Solar Farm Skid Site Acceptance Testing

Sites:

- Corowa Solar Farm
- Junee Solar Farm
- Wagga Wagga Solar Farm 1 & 2

Units Commissioned:

- 32 solar substation skids

Equipment Tested:

- Medium Voltage Switchboards (MVSb)
- Protection systems
- Power transformers
- Low Voltage Switchboards (LVSb)
- UPS systems
- Control and monitoring systems

Konic Group completed site acceptance testing and commissioning verification of containerised solar substation packages installed across multiple renewable energy projects in regional New South Wales.

Wind Turbine Substation Commissioning

Bango Wind Farm

Units Commissioned:

- 46 × 5.6 MW wind turbines

Equipment Tested:

- MV switchgear
- Protection systems
- Turbine transformers
- LV distribution systems
- Synchronisation systems
- UPS systems

Flyers Creek Wind Farm

Units Commissioned

- 38 × 3.0 MW wind turbines

Equipment Tested:

- MV switchgear
- Protection systems
- Turbine transformers
- LV distribution systems
- Synchronisation systems
- UPS systems

Rye Park Wind Farm

Units Commissioned:

- 66 × 6 MW wind turbines

Equipment Tested:

- MV switchgear
- Protection systems
- Turbine transformers
- LV distribution systems
- Synchronisation systems
- UPS systems

The commissioning programs for Flyers Creek and Rye Park Wind Farms were delivered concurrently, requiring the deployment of multiple testing crews operating across both projects simultaneously while maintaining strict commissioning schedules.

Goyder South Wind Farm

Units Commissioned

- 76 × 5.6 MW wind turbines

Equipment Tested:

- MV switchgear
- Protection systems
- Turbine transformers
- LV distribution systems
- Synchronisation systems
- UPS systems

These projects required high-volume, repeatable testing across large numbers of identical electrical units while maintaining strict commissioning schedules.

Major Infrastructure – Containerised Substation Testing

Torrens to Darlington (T2D) Project – Adelaide

Konic Group has been engaged to complete the testing and commissioning of electrical infrastructure supporting the Torrens to Darlington Tunnel Project.

Units Completed / In Progress:

Approximately 80 containerised substations, electrical skids and distribution transformers

Equipment Tested:

- Medium Voltage Switchboards
- Protection and control systems
- Distribution transformers
- Low Voltage Switchboards
- UPS systems
- Neutral Earthing Resistors

The works involve coordination with both client representatives and network owners for inspection and witnessing of testing procedures.

Power Transformer Installation & Testing

Konic Group specialises in the installation, assembly and testing of power transformers across transmission and renewable energy projects.

Typical services include:

- Transformer offloading and placement
- Mechanical assembly
- Oil processing and vacuum filling
- Winding resistance testing
- Ratio testing
- Insulation resistance testing
- DFR and moisture analysis
- Protection system testing
- Commissioning support

The company has installed and commissioned approximately 80–100 power transformers across Australia.

High Volume Commissioning Programs

Konic Group has extensive experience delivering commissioning and site acceptance testing programs involving large numbers of identical electrical units installed across major infrastructure and renewable energy developments.

These programs require the deployment of multiple commissioning teams working concurrently across large sites while maintaining strict quality control and commissioning schedules.

Konic Group delivers these projects using structured commissioning teams supported by experienced site management and project management personnel, allowing multiple work fronts to operate simultaneously while maintaining consistent testing procedures and documentation standards.

Workforce & Delivery Capability

Konic Group currently employs approximately 20 electrical personnel, including experienced high voltage technicians, commissioning specialists and project support staff.

Based on existing project commitments and ongoing market demand, the company forecasts continued growth, with workforce numbers expected to increase to approximately 26–28 personnel by October 2026, with further expansion anticipated as project opportunities continue to develop.

Key Clients & Industry Partners

Konic Group has delivered installation, testing and commissioning services for a range of major contractors, equipment manufacturers and asset owners across Australia.

Equipment Manufacturers & OEMs:

- Chint Global
- Siemens Energy
- TBEA Shenyang Transformer Group
- Hitachi Energy
- GE Vernova
- Vestas
- Siemens Gamesa
- Hyosung Heavy Industries

EPC Contractors:

- Bechtel
- Elecnor
- Consolidated Power Projects
- Ahrens / Cowell Engineering
- Downer Utilities
- RJE Global
- Logicamms

Asset Owners & Network Operators:

- ElectraNet
- TransGrid
- Ausnet
- Tesla
- Neoen
- Tilt Renewables

Safety, Quality & Compliance

Konic Group operates under certified management systems and maintains compliance with industry safety, environmental and quality standards.

The company holds the following certifications and compliance accreditations:

- ISO 9001 – Quality Management Systems
- ISO 14001 – Environmental Management Systems
- ISO 45001 – Occupational Health and Safety Management Systems
- CM3 Contractor Prequalification
- ComplyWorks Contractor Compliance

All personnel hold appropriate electrical licences and receive both internal and external training relevant to the specialised commissioning activities undertaken by the company

