



OPERATIONS PTY LTD

Capability Statement

HIGH VOLTAGE CABLE JOINTING
& CABLE NITROGEN PURGING

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Our History

Director and principal jointer Jeff Ward completed his trade in 1982 with Capricornia Electricity Board with all aspects of high voltage cables both paper and XLPE insulated cables working throughout Capricornia electricity board region. In late 1982 Jeff joined Cable Makers Australia in the role of technical sales representative completing many projects throughout Queensland for the company over a 7 year period. During which time Jeff was trained to voltages of 72kv with Raychem and ABB, completed factory training in Sydney with aspects of cable manufacture both Paper and XLPE insulated and EPR cables.

In 1989 Jeff formed his own business Contract Power Terminations. From there he went overseas to train in Germany with Siemens to a voltage level of 132kv and completed numerous projects overseas and Australia from 3.3kv to 132kv. Jeff later decided to sell the business to only purchase the business back 2 years later after working alongside the new owner with a name change to Ward Operations Pty Ltd.

Since returning as Ward Operations the company has grown again taking on larger and more complex contracts with extra trained staff, advanced tooling and industry workplace agreements and policies to meet the ever changing needs for a fully certified contracting company for mining and energy companies.

About

Ward Operations specialise in installation, termination & Jointing, testing & Repair of all types of High Voltage cables to 132KV.

We service mining, industrial, commercial, military, LNG and Government industries throughout Australia and Overseas

With our head office and workshop located on the Capricorn Coast, Queensland Australia.

We also have the capability to set up satellite office locations as required.

We supply Plant, High Voltage test equipment and materials to complete all project requirements both large and small. Our emergency break down service is backed by a comprehensive range of stock including, terminations, Joints, Elbows, lugs, links, cable glands & High Voltage cable catering to voltages of 33kv. With options of both, air and road freight for all other items not in our comprehensive stock holding.

Ward Operations only use reliable and proven brands and quality components in accordance with best practice and Australian standards.

All our work is completed by our fully trained and competent workforces who are committed to quality workmanship. With their experience, depth of knowledge, product training, reflecting a life of project standard.

With over twenty six years in Business our financial strength combined with our technical capability and depth of experience gives our clients the confidence in our ability to complete projects of all sizes. Supported by quality, Safety and environmental management systems, we have a proven track record of delivering safe, cost effective and quality service.

our commitment to providing outstanding results to a range of projects, regardless of their size or scope are the major factors that make us one of Australia's leading high voltage cable jointing companies.

WARD OPERATIONS PTY LTD

ABN: 82673016061

ACN: 101746963

Electrical Licence: 68469

Year Established: 2002 previously known as Contract Power Terminations

JEFFREY WARD, MANAGING DIRECTOR

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Capabilities & Core Services

Ward Operations with its comprehensive experience in our specialist electrical field and ability to service our clients thought-out Australia and overseas ensures quick and effective services thought out our service markets.

MARKET SECTORS

Mining-both coal and metalliferous
Underground reticulation installations, Substations, Ring Main Units.
Draglines, Shovels, Stacker reclaimers
Single point suspension cable delivery and jointing.

INDUSTRIAL

Smelters, Power Stations, LNG, Oil platforms. Solar and wind farms.

GOVERNMENT

Power stations, power distribution authorities, Hospitals, Military, Rail, Airports.

COMMERCIAL

Shopping Centres, Island and mainland resorts, Submarine cables.

RESIDENTIAL / INFRASTRUCTURE

Underground subdivisions, maintenance and repairs.

AREAS OF EXPERTISE

- High Voltage electrical cable systems
- Submarine cables
- Single point suspension cable delivery and jointing in underground coal mines
- Cable testing
- Underground and overhead cabling
- Cable nitrogen purging
- High Voltage switching
- Inspection and reporting of Terminations
- Supervision

Specialist Services

All services include scoping, planning, procurement, progress reports and quality assurance.

High Voltage Cable Jointing and termination.

High voltage cable jointing is a specialist service offered by Ward Operations with both paper insulated cables and XLPE (cross linked polyethylene) to 132kv.

Our high voltage cable jointing services also includes mining cable terminations – EPR (ethylene propylene rubber) in draglines, ship loaders, shovels and stacker/re claimer reeling cables with fibre optics component into slip rings compartments.

Submarine Cable Repairs

- Submarine cable joints
- Submarine repairs

Cable Nitrogen Purging

Nitrogen purging is a system that can be applied to cables that have had ingress of moisture and or water into the conductors and or screens of a high voltage XLPE insulated cable.

The dry and very pure nitrogen forces all the moisture from the conductors and the screens of the high voltage cable over a period of time which will increase the IR values of the XLPE insulation and deliver a longer lasting installation.

- High Voltage cable testing
- IR, VLF Testing.
- Moisture content testing with nitrogen

Clients

Ward Operations have worked on a range of major cable jointing projects as well as cable purging projects across Australia and overseas.

It is without question that in addition to the quality high voltage cable jointing systems, installation techniques and products used by Ward Operations our commitment to providing outstanding results to a range of products, regardless of their size or scope, are the major factors that make Ward Operations one of Australia's leading high voltage cable jointing companies.

Equipment & Hire Equipment

EQUIPMENT

- Service vehicles
- Service trucks
- High Voltage test equipment
- Generators
- Tip truck
- Excavator – with various attachments
- Terex bob cat – with various attachments including capstan winch
- Shipping containers / site container
- Cable winchs
- Cable pusher
- Cable Rollers
- Cable stands and jacks
- Telehandler
- 2 nitrogen purging units
- As well as a stocked warehouse of various materials on offer



SOME OF OUR MAJOR CLIENTS INCLUDE

- Anglo American
- BMA
- Carborough Downs Coal
- Downer EDI
- Glencore
- Ergon energy
- Stanwell Corporation
- Ensham Recourses
- Kentz
- Rio Tinto. Coal, smelters, metalliferous
- Sibelco
- Persal & Co
- Boyne Smelters
- GB Industries
- L & M Power lines
- NRG Gladstone (power station)
- NRG Industrial
- Murphy Pipe and Civil
- Yarrabee coal
- Wesfarmers
- Thiess
- MMG Limited: Sepon Laos
- PTTEP Australasia Timor Sea Australia
- Decmil Group / Applied Electro

Ward Operations fleet of vehicles and other plant and equipment are fully equipped to service any field maintenance and emergency calls. We also offer dry hire on equipment with or without manned staff.

HIRE EQUIPMENT

- Shipping / site containers
- Jack stands
- Cable socks
- Bob cat hydraulic capstan
- Cable hauling equipment – various lengths of rope, rollers, cable drums
- Bob cat hydraulic capstan
- Hydraulic cable winch - 3T
- Hydraulic cable pusher – 1.5T
- Electric Cable winch 2.2T

Workforce

TRAINING AND SKILLS

Ward Operations staff are always upgrading their skills traveling to manufactures workshops and factories to be trained and certified in various company's product ranges to enable Ward Operations to install their joints and terminations to the highest standards.

TRAINING COVERS

- CPR & LVR
- First aid
- Industry inductions and sops
- Confined space
- Working at heights
- Vehicle training
- Elevated work platform
- Supervisor training
- Hazardous area and risk management awareness
- High voltage

Ward Operations maintain a contact list of other specialist jointers and labourers who have worked on previous projects with the company enabling us to increase our staffing capacity depending on project requirements



Community

As a company Ward Operations strive to assist a variety of community groups, charities, non – profit organisations and fundraising events through our ongoing donations and volunteering each and every year.

Ward Operations has had the privilege of supporting the following groups for various events throughout the years with our continued support.

Management Structure



Projects

CLIENT: Rio Tinto < \$50,000.00

LOCATION: Hail Creek Mine

Carried out high voltage cable nitrogen purging service on over 1km of 12.7/22kv 3 core 70mm² cable from RMU 702-501 returning cable free from moisture.

CLIENT: Rio Tinto >\$400,000,000

LOCATION: Weipa

*Various cable joints and terminations, installations of Ring Main units and testing
Emergency repairs.*

CLIENT: MMG Limited < \$100,000.00

LOCATION: Sepon Laos in the Savannakhet Province

Maintenance of high voltage power network. Re making of faulty termination procedures.

CLIENT: PTTEP Australasia < \$100,000.00

LOCATION: Montara Venture, Timor Sea Australia

*Continuation of installation of 6.6kv terminations to j-box for the sea water pumps to motors.
Moisture block jointing main umbilical undersea cables.*

CLIENT: Kentz Pty Ltd >\$5,000,000.00

LOCATION: Darwin

Carried out high voltage cable nitrogen purging service on over 100km of cables returning them free from moisture.

CLIENT: Decmil Group / Applied Electro >\$300,000.00

LOCATION: Off shore processing centre Larbrum Manus Island Papua New Guinea

Carried out a number of high voltage terminations to various locations including the kioska, ners, substations, generators, power plant transformers and switch rooms.

CLIENT: Brookfield Multiplex Australasia >\$300,000.00

LOCATION: Roy Hill Mine Western Australia

Purge water out of existing ring main cables between kiosk sub 4 and sub 5 to achieve the final result free of moisture.

CLIENT: Murphy Pipe and Civil – QGC/LNG Gas Trunkline >\$3,000,000.00

LOCATION: Western Darling Downs

Install Raychem high voltage joints in some 500km of 500mm/400mm/300mm/240mm AL 3 core 33kv XLPEPVCHDPE cables over 7 months with a total route length of cable at 265km.

CLIENT: BMA – Value ongoing > \$10,000,000.00

LOCATION: Central Queensland

Continuing various rolls between a wide selection of BMA mines from central Queensland carrying out a range of various types of terminations, inline joints and maintenance contracts.

CLIENT: Anglo American – Value ongoing >\$5,000,000.00

LOCATION: Central Queensland

Continuing to hold a contract with Anglo to carry out scheduled and emergency maintenance on various locations across the Bowen basin consisting of work on stacker re-claimers, mid- point J- Boxes and draglines.

CLIENT: Persal & Co – Value ongoing > \$20,000,000.00

Various joints and cable terminations including over 150- 66kv terminations

CLIENT: Boyne Smelters – Value ongoing > \$1,000,000.00

Installation of inline joints, Cables, Cable Terminations, emergency repairs



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