

Capability Statement

11 May 2020

Espec PH



INDUSTRIES SERVED

CLEAN ENERGY

CONSTRUCTION &
ENGINEERING

DEFENCE

IT &
COMMUNICATIONS

MANUFACTURING

MINING

OIL, GAS & ENERGY

RAIL

RETAIL, TRADE AND
OTHER SERVICES

WATER

Company Details

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ICN Gateway Company ID: 92772

Employees: 43

ABN: 23 929 898 229

NT CAL Accredited: Yes

Works in Remote Locations: Yes

Contacts

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Delivering high voltage infrastructure and construction projects, renewables, and industrial maintenance services.

Summary

Espec PH delivers the full electrical scope of services from high voltage project infrastructure and maintenance through to construction, renewables, instrumentation, and

commissioning. We have the resources, personnel, and knowledge to undertake a variety of mining, construction, and industrial projects.

Description

Espec PH was established in 2010 and has been providing specialist electrical and solar services to Northern Territory clients ever since. Our clients include the Northern Territory Government, Defence Primes, Tier 1 contractors and commercial clients across a range of industries.

We specialise in high voltage project infrastructure, electrical and instrumentation, EEHA, solar PV, and data communications across construction, manufacturing, logistics, mining, and marine sectors.

Espec PH has a technically competent and highly experienced team of cable jointers, linesmen, HV switching operators, instrumentation, and hazardous area specialists carrying out work to the highest quality and safety standards.

From Defence patrol vessels to 33MW solar farms, we match our resources to meet our clients' needs. We offer an array of high voltage services including, HV system design, cable installation, switchgear and testing and commissioning up to 66kV. Our testing and commissioning services are tailored to meet clients' electrical, regulatory and insurance requirements.

Espec PH are Power Water Corporation panel contractors for power distribution networks. We also service over 100 sites across the Northern Territory as part of our solar PV repairs and maintenance contract with the Northern Territory government. The knowledge of our specialist

personnel is why our clients trust us to deliver in challenging and remote environments.

The Espec PH staff hold relevant security clearances and are experienced working in high-security work sites such as Defence bases, airports, schools and substations. Our staff maintain baseline and NV1 Defence security clearances.

The Espec PH project team have proven capability in managing limited resources, controlling costs, maintaining schedules, mitigating risks, and most importantly developing and maintaining a safe work environment.

Our quality reputation is built on providing a professional and reliable service working alongside customers to deliver projects on time, in budget and to customer's requirements. With a multi service offering Espec PH reduce the need for trades coordination by offering related services in the one installation. Through effective leadership, communication, and analytical thinking, Espec PH creates teams capable of delivering consistent high-quality service.

Espec PH are a Kolsen company.

As a Kolsen group company, Espec PH has the backing of centralised leadership and support, corporate governance, and financial management. Kolsen is a multi-disciplinary group of companies that provide project management, construction, commissioning, maintenance and remediation services across a variety of industries.

Associations

- > Master Builders

Products & Services

- > HV Infrastructure projects
- > Industrial and commercial maintenance
- > Package substations
- > Overhead and underground reticulation
- > Streetlight upgrades
- > Specialist sports lighting
- > Electrical Equipment in Hazardous Areas (EEHA)
- > Controls automation, SCADA and PLCs
- > Marine electrical
- > UPS systems
- > Thermal imaging
- > CCTV and security systems
- > Data communications
- > Renewables
- > Electric motor repairs
- > Stand-by generators
- > Energy management
- > Medical electrical

Industries Served

- > Clean Energy
- > Construction & Engineering
- > Defence
- > IT & Communications
- > Manufacturing
- > Mining
- > Oil, Gas & Energy
- > Rail
- > Retail, Trade and Other Services
- > Water

Accreditations

- > ISO 9001:2015 Quality
- > ISO 14001:2015 Environment
- > ISO 45001:2018 OHS
- > ISO AS/NZS 4801:2001 Safety
- > Level 3 Accreditation for Gifted Assets (PWC)
- > Contractor Accreditation Ltd (CAL)
- > Clean Energy Council Accredited Installers
- > Clean Energy Council Accredited Designers
- > ARC Tick Certified

Major Clients

- > Northern Territory Government
- > Darwin International Airport
- > Power Water Corporation
- > Broadspectrum
- > Thales Australia
- > Sunbuild
- > Sitzler
- > City of Darwin
- > City of Palmerston
- > ERA Ranger Mine
- > Honeywell
- > McMahon Services
- > Genesee and Wyoming Australia
- > Lysaght Bluescope Steel
- > Hilton Hotel Group
- > United Equipment

Facilities and Equipment

- > 1500 sq metre workshop and office, Winnellie NT
- > Fleet of utility vehicles and service vans
- > Flat bed truck
- > Insulated bucket truck
- > Crane truck
- > Commercial trailers
- > Omnicron test equipment (HV)
- > Power analysers
- > Gas detection equipment (confined space)
- > Wavecom TrP-500
- > Dell Latitude 5414 Rugged, CT (onsite laptop)
- > Wago Program - used for programming PLC cards
- > Vega Connection device and program - used for programming level sensors
- > Moxa Program - used for network switch programming
- > Insulation, RCD and fault loop testing meters
- > Various power and hand tools
- > Platform ladders

Previous Significant Projects

2020

Bunnings Warehouse
\$2,500,000

Client: Sunbuild

Building electrical and incoming HV package for the new Bunnings Warehouse, including high voltage infrastructure works, general power, data communications, access control, and lighting.

2019

ACPB In Service Support Contract
\$700,000

Client: Thales Australia

Planned and reactive maintenance works for Defence Armidale Class patrol boats including programming of Marine Link system for sensors and programmable units monitoring status of the mechanical and electrical system.

2019

Katherine Solar Farm 33MW
\$4,000,000

Client: BSR EPC

Installation of 22kv overhead and underground reticulation from the Katherine zone substation to the new 33MW solar farm. Works included all testing and commissioning of Schneider SM6 switchgear, harmonic filter, auxiliary transformer, SCADA, BESS system, and construction of PWC intake station and solar farm HV switchroom.

2019

Solar PV power systems
\$1,500,000

Client: NT Government 3 yr contract

Inspections, testing, repairs and maintenance of grid connect, stand-alone, hybrid and solar powered area lighting at NT Government schools and other assets, including transport infrastructure across the Northern Territory.

2020

Urban Ovals Lighting upgrade
\$3,500,000

Client: City of Darwin

Supply and installation of 14 x 30m lighting towers across Gardens, Bagot, & Nightcliff ovals. Includes Halitech user pays control system enabling the client to monitor the use of the lights remotely.

2019

Electrical services maintenance
\$500,000

Client: City of Darwin - panel contractor

Preventive and emergency maintenance of electrical services including street lighting, public area lighting, and CCTV. Includes a 24-hour emergency response service.

2019

HV network extension and upgrade
\$1,500,000

Client: Darwin International Airport

Upgrade to existing HV infrastructure including design, supply and installation of new HV cabling, kiosks, and RMUs. Espec PH conducts all HV switching operations for the Darwin International Airport.

2019

Power distribution networks
\$600,000

Client: Power Water Corporation - panel contractor

Maintenance of underground, overhead, and high voltage infrastructure, as well as repair and maintenance of overhead hardware, such as insulators, cross arms, and HV/LV disconnectors.

2018
Hidden Valley Motorsports track lighting upgrade
\$2,500,000

Client: Northern Territory Government

LED sports lighting upgrade including the installation of light poles, luminaires and cabling to meet requirements of the Motorcycling Australia Track Guidelines 2012. First government LED sports lighting upgrade to be constructed in the NT.

2018
Accredited Gifted Assets Contractor
\$1,500,000

Client: Power Water Corporation

Construction of Power and Water Corporation HV infrastructure assets on behalf of private entities. All assets built to network provider standards.

2017
Darwin Zone Substation
\$3,500,000

Client: Power Water Corporation

Supply and installation of the 66kV Cox Peninsula transmission feeder through the Darwin underground tunnel network as part of the \$40M Darwin Zone Substation project.



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