

PROFESSIONAL PROFILE

I am an Electrician and Hazardous Areas Inspector with 17 years' experience on engineering, construction and maintenance projects within the oil and gas, surface and underground mining, naval, renewable energy, commercial and domestic sectors, within Australia and the UK. I specialise in the installation, termination, inspection, testing, commissioning and maintenance of electrical equipment and field instrumentation used to power, control and safeguard offshore FPSO's and CPF's, onshore Downstream LNG and Upstream CSG facilities, gold, diamond and iron ore mining sites, defence vessels, commercial and residential developments. And I diligently support all safe work systems to enable the achievement of Zero Harm objectives, and Incident and Injury Free (IIF) workplaces.

I hold strong project management skills and commercial acumen including planning, budget management, cost control, coordinating and supervising staff and contractors, and ensuring the overall safe and efficient delivery of high-quality workmanship to required specifications. I am highly experienced in the design, verification and implementation of electrical isolations in commissioning areas and live LNG plant to enable safe access to de-energised equipment, as well as issuing, endorsing and assuring permits as per PTW and LOTO systems. I encourage open discussion to share ideas or solve issues, facilitate cross-functional collaboration to ensure an integrated approach to project delivery, and treat people with respect and fairness no matter their age, gender or cultural identity.

CORE QUALIFICATIONS (Additional Training & Certifications on Page 5)

- Certificate III in Electrotechnology Electrician - UEE30807 (TAFE, NSW)
- Certificate III in Electrical Installations - City and Guilds UK
- Certificate II in Telecommunications Cabling (ICT 20302)
- Certificate IV in Hazardous Areas - Electrical
- Electrical Licences for WA, NT and NSW
- BOISET and CA-EBS.

KEY AREAS OF EXPERTISE

- Installation, termination, testing, QA/QC compliance verification, commissioning and/or fault-finding of a wide range of E&I systems and equipment in major hazardous facilities including HV and LV cables, trays, ladders, conduit, relays, control circuits, isolators, earth grids, general power and lighting, MCC's, VSD's and PLC's
- Installation, maintenance and detailed inspection of Electrical Equipment in Hazardous Areas including Ex d, Ex, e, Ex I, Ex n and Ex p rated, and detailed working knowledge of AS/NZ 60079 Standards, and International Hazardous Area Standards
- Conducting complex cable pulls, glanding and termination of multicore, instrumentation and power cables (including SWA), developing punch lists, redlining drawings, and compiling QA documentation and Hazardous Area Classifications
- Reading and interpreting schematics, P&ID's, cable schedules, project plans and job specifications, and developing complex parallel data capturing and online storage systems for ITP and ITR reports, and compliance documentation
- Conducting risk and hazard assessments such as JHA's, JSA's and Take 5's, and maintaining full compliance with HSE policies and procedures to ensure safety for myself, others, the environment and the equipment.

BRIEF CAREER SYNOPSIS

Hazardous Areas Inspector

Clough/e2o - Ichthys Explorer CPF & Venturer FPSO
June 2018 - Aug 2018

Lead Hazardous Areas Inspector

CB&I Kentz JV - Chevron's Gorgon LNG Facility
Feb 2014 - Jan 2016

Electrician

SCEE - Tuccabina Gold Mine & Cape Lambert B Projects
Jan 2013 - July 2013

Hazardous Areas Inspector

Downer - Chevron's Wheatstone LNG Facility
Feb 2016 - Sept 2017

EEHA & QA/QC Electrician

EC&M - QGC's QCLNG Upstream Project (FCS's & CPP's)
July 2013 - Feb 2014

Electrician

O'Donnell Griffin - Argyle Diamonds (Underground)
May 2012 - Jan 2013

DETAILED CAREER HISTORY

June 2018 - Aug 2018

Hazardous Areas Inspector

Clough/e2o - INPEX Ichthys Explorer CPF & Venturer FPSO
Browse Basin, Offshore WA

The Ichthys project includes the Explorer Central Processing Facility (CPF), the Venturer Floating Production, Storage and Offloading (FPSO) facility, and an onshore LNG processing facility at Bladin Point. The CPF is a column-stabilised, offshore semi-sub production unit supporting hydrocarbon processing systems and utilities, and the FPSO is used for condensate dewatering, stabilisation, storage and export. Spending 3 weeks on the FPSO and 5 weeks on the CPF, core role deliverables included (but were not limited to):

- Conducted detailed inspections of Electrical Equipment in Hazardous Areas (EEHA) to ensure Ex Rated equipment was installed correctly, so-as to present zero fire or explosion hazards due to arcing contacts or high surface temperatures, and assisted in developing a registry of all electrical equipment located in Hazardous Area Locations
- Identified all items that didn't comply with standards and specifications to develop a punch list, completed all Quality Assurance (QA) documentation, and created daily reports to accurately reflect inspection progress
- Participated in toolbox talks, safety briefings, pre-start checks and safety observations, and led by example regarding compliance to all HSE policies and procedures
- Completed rectifications on sub-standard installations of cabling and Ex Rated equipment to Australian Standards and required site specifications
- Ensured safe electrical isolations to enable access to de-energised equipment, under the site Permit to Work (PTW) system.

Feb 2016 - Sept 2017

Hazardous Areas Inspector

Downer - Chevron's Wheatstone LNG Facility
Onslow, WA

Downer is a leading provider of services to the mining, engineering, construction, maintenance, utilities, rail and communications sectors. Wheatstone is one of Australia's largest resource projects, with the foundation project including 2 LNG trains with a combined capacity of 8.9 MTPA and a domestic gas plant. Downer secured a contract with Bechtel for 2 E&I packages on the project. Employed as a Hazardous Areas Inspector, core role deliverables included (but were not limited to):

- Conducted QA/QC inspections and testing of ELV and LV cabling, rectified any substandard cabling and Ex Rated equipment installations Australian Standards and site specifications, and completed all required QA documentation
- Ensured all Hazardous Area (HA) installations and electrical construction works were completed in compliance with HA guidelines, zone classifications, standard job specifications, and AS/NZ 60079 Standards
- Conducted pre-start safety checks and risk assessments to identify and control hazards to people and equipment, and strictly followed all safe work systems to enable Zero Harm.

Feb 2014 - Jan 2016

Lead Hazardous Areas Inspector

CB&I Kentz JV (CKJV) - Chevron's Gorgon LNG Facility
Barrow Island, WA

Chevron's Gorgon LNG Project includes construction of a 15.6 MTPA LNG plant on Barrow Island, and a 300 terajoules per day domestic gas plant. CKJV was awarded a contract to supply SMP, E&I and commissioning services for the construction of the LNG trains, associated utilities and the domestic gas plant. Core role deliverables included (but were not limited to):

- Led a team of up to 20 HA Electricians through detailed EEHA and QA/QC inspections, testing of ELV and LV cabling, installation of light, power and instrumentation cabling, and EEHA glanding and terminations
- Completed all required QA documentation, and ensured all HA installations and electrical construction works were delivered in compliance with HA guidelines, zone classifications, and AS/NZ 60079 Standards
- Conducted rectifications on Gas Turbine Generators (GTG's), E&I cabling and instrumentation systems and Ex Rated equipment to required Australian Standards
- Developed work scope, coordinated labour and materials requirements, and provided technical and procedural guidance and support for direct reports
- Crew Representative for an upper management task force assigned to ensure energisation and isolation compliance
- Provided highly visible safety leadership to enable Zero Harm, and received the "Outstanding Award for Safety."

July 2013 - Feb 2014

EEHA & QA/QC Electrician

EC&M - QGC's QCLNG Upstream Project (FCS's & CPP's)
Surat Basin, QLD

EC&M provides E&I services to the mining, oil and gas, infrastructure and power generation sectors. The Upstream component of QCLNG features thousands of CSG wells and +30 gas processing facilities including Field Compression Stations (FCS's) and Central Processing Plants (CPP's), all linked by gathering pipelines and trunklines. Core role deliverables included (but were not limited to):

- Installation of cable management systems and various sized cables (including heavy power), as well as light, power and instrumentation cabling
- Safely utilised EWP's for installation and inspection activities, and maintained diligent compliance with all EC&M and QGC HSE policies and procedures
- Conducted detailed EEHA inspections, as well as glanding and termination of power cables to exacting QGC specifications
- Construction and installation of metal galvanised and stainless conduit systems.

Jan 2013 - July 2013

Electrician

SCEE - Tuccabina Gold Mine & Cape Lambert B Expansion
Murchinson & Pilbara, WA

- Installation of cable management systems and various sized cables (including heavy power), as well as light, power and instrumentation cabling
- Termination of instrument devices, field and MCC power systems, as well as QA and commissioning of conveyor systems and instruments
- Leading by example regarding overall HSE compliance to ensure safety for self, peers, the environment, and the equipment
- Construction and installation of metal conduit systems, and safely utilised EWP's for installations at heights.

May 2012 - Jan 2013

Leading Hand Electrician

O'Donnell Griffin/Tenix SDR - Argyle Diamonds Underground Construction
East Kimberley Region, WA

- Led a team of 5 electricians, planning and coordinating job fronts, ensuring the on-time availability of key resources, and providing technical and procedural guidance and support
- Installation of cable management systems and various sized cables (including HV and LV), as well as terminating cables and checking for quality assurance purposes
- Ensured JHA's and Take 5's were accurately completed to mitigate risks and hazards, and acted as Safety Representative
- Installing electrical components for crushers, MCC's, field devices and instrumentation
- Rio Tinto Permit Issuer for Hot Work Permits.

Mar 2011 - May 2012

PV Installation Manager

Todae Solar
NSW

- Leading the project management team to ensure the safe, efficient and high-quality delivery of PV installations, I was responsible for contractor management of installation crews, as well as site management, and coordinating projects including 300 domestic installations nationally, some 900 retirement village installations, and marquee projects
- Technical authority for work orders and compliance documents for contractors, and final internal auditing and sign-off of jobs for completion and stage payments
- Assisted the design team with technical, design and compliance issues for the Federal Parliament House installation project
- Budgeting, scheduling and planning, as well as sourcing new materials, and estimating costs of materials and man-hours.

June 2010 - Feb 2011

NSW Solar Design & Certification Manager

DCM Green

NSW

- Working for Australia's largest solar provider in the retirement village sector, I managed installation teams, conducted and coordinated site assessments, planned and managed project budgets, and oversaw operational logistics
- Line Manager for 15 staff including site managers, installation crews, electrical foremen and metering coordinators, and provided training for installation crews and contractors in DCM installation standards
- Provided support in major bid submissions and Head Office issues, and managed client expectations and relationships
- Documented and designed PV systems, verified and assessed test results, and audited completed electrical systems
- Provided strong safety leadership, and established Safety Management Plans and working at heights procedures.

Feb 2010 - June 2010

PV Installation Supervisor

PSG-KRS

NSW

- Planned, coordinated and managed installation projects, ensuring all installations were completed on-time, within budget, and in accordance with design specifications and regulatory requirements
- Managed installation, commissioning and testing teams (including external contractors), managed materials and logistics, and collated and signed-off of mandatory paperwork for REC applications
- Ensured all workers under supervision understood and complied with their responsibilities under the Safety Management Plan, and conducted OH&S audits
- Ensured the proper controls were in place to enable safe working at heights, and ensured electrical Standards were met.

Jan 2008 - Feb 2010

Contract Electrician

Commercial & Industrial Projects

NSW

- Contracted to various electrical firms for commercial and industrial projects within NSW, with projects including the installation of multiple 2,500 amp busway power upgrade for Telstra
- Companies contracted to included FIP, Streamline Electrical, Lakewood, DDP Rivercorp, Simmonds, Sydney Energy Co-op, and Autonomous Energy.

Jun 2007 - Jan 2008

Installation Supervisor

Ausbright - Garden Island Naval Base

Sydney, NSW

- Based at the Garden Island Naval Base in Sydney I conducted fiber installations, tested main switchboards on Anzac class ships, and tested new cabling and worked on the commissioning of the weapons upgrade program on the HMAS Darwin
- Provided on-the-job supervision and technical support for electricians and apprentices, and ensured all workers under supervision carefully analysed job fronts prior to commencement to identify and control risks and hazards
- Accurately recorded all test results for examination by the Navy/Thales, completed commissioning documentation, and interpreted test results
- Company Representative at daily production and planning meetings with the Client and other contractors
- Read and interpreted ship manuals and associated technical drawings and schematics.

Dec 2005 - June 2007

Electrician/Sole Trader

Domestic Projects

UK

- Subcontracted to private clients and small builders for a variety of projects ranging from bathroom upgrades to full renovations of houses units, and managed all aspects of a small business including marketing, budgeting, materials procurement, invoicing, and liaison with other site contractors
- Designed and installed electrical systems, fully tested completed works, and maintained the highest quality standards.

Nov 2001 - Dec 2005

Apprentice Electrician
Sheltek - Commercial & Domestic Projects
UK

- Completed an Electrical Apprenticeship on commercial and domestic projects, which included the installation of cable trays, trunking and ladder systems, as well as installing and terminating associated cables (including SWA and data).

ADDITIONAL INDUSTRY TRAINING & CERTIFICATIONS

- Confined Space Entry (including Rescue and Use of Breathing Apparatus)
- Blue/White Card - General Safety Induction for the Construction Industry
- Alteration or Relocation of Existing Point of Attachment (NSW)
- Grid Connect Photovoltaic Systems Design and Installation
- CompEx Ex01-04 Inspection and Installation Course
- High Risk Licence: EWP (Elevating Work Platform)
- Perform First Aid, CPR and Low Voltage Rescue
- Level 2 ASP Cat 1 and 4 (NSW)
- AS/NZ 300:2007 Wiring Rules
- Working Safely at Heights
- ACMA Cablers Licence.

SOFTWARE PROFICIENCIES

- Advanced user of the Microsoft Office Suite of Programs, and a range of other IT packages.

REFEREES (contact details to be provided upon request)

Ian Saunders
QA/QC Supervisor
Wheatstone & Gorgon LNG Projects

Rodney Wilson
QA/QC Supervisor
Wheatstone LNG Project