



TODD SHILLITO
Project Manager M&E

Todd is an accomplished Supervisor, Electrician, Instrumentation Technician, HV Operation and HV Tester with strong skill sets, confidence, great work ethic and efficient approach to design making, supervising and risk analysis.

He has worked in different fields with great success due to his excellent communication skills, and ability to remain focused. He has a keen eye for detail and the capacity to think outside the box, which has served him well in problem solving and forecasting future works. He also leads by example and influences culture.

Over the years he has been placed in various high stress environments and has consistently proven his ability to step back and assess both the human risk and monetary factors at stake before taking action.

Qualifications/Affiliations

- Registered A CLASS Electrician
- Section 44 Appointed Electrical Supervisor
- HV Switching Operator SP Ausnet HV Operator
- Certificate IV in Instrumentation
- Certificate III in telecommunications
- Certificate IV in Hazardous areas
- Current Working at Heights
- Certificate II in Emergency Medical Service Response
- Current LV rescue and CPR
- Power System protection Testing with Omicron Test Universe
- Testing with Omicron CPC100, CT Analyzer and Cibano 500 course

Capabilities

- Experienced in all aspects of industrial construction, cable tray, steel conduit, motors, transformers, instrumentation switchboard building, SWA, MIMS, Braided shield cabling
- Commissioning of high voltage and low voltage reticulation
- Conducting risk assessment and job safety analysis, preparing SOP's, preparation and verification of SWI's.
- Excellent Fault Finding skills.
- Thorough and well versed in preparing/issuing Permit to Work systems.
- Preparing, reviewing and maintaining documentation associated with electrical systems and Construction verification and NOE preparation.
- Skilled at performing and documenting completion of maintenance, calibration, installation, fault location, and repair of electric, electronic, mechanical and pneumatic instruments system

Experience

Aug 2019 – current- Tunnelling Solutions Sydney Central Station M&E Superintendent responsible for Design, Installation and Commissioning of all electrical reticulation; upkeep and maintenance of all plant and machinery as well as managing all electrical and mechanical personnel.

2019 — Tunnelling Solutions - NorthConnex Electrical/Tunnelling Supervisor

2018 Tunnelling Solutions – Darebin Rail Underpass NEPA Electrical/Tunnelling Supervisor

Accountable for ensuring NEPA and Tunnelling Solutions electrical statutory and regulatory requirements are met, including supervision of maintenance and services team

Consulting with management on timeframes and future works.

Prepare, review and maintain documentation associated with facility electrical systems.

Forward planning to ensure all tunnel services remain available for the duration of the project and suit delivery of program. Maintenance and breakdowns of plant and equipment including excavators, pozitracks, concrete pumps, generators.

Feb 17 – Feb 18 EPS Group, HV/LV Commissioning Supervisor

Supervising a team of 50-70 commissioning electricians, high voltage technicians and electrical engineers. Scope of work included the commissioning and energization of high voltage and low voltage network at ichthys 490MW combined cycle PowerStation. Ensuring work groups comply with all statutory, regulatory requirements as well as onsite KPI's.

Liaising with JKC commission team to fast track and proper schedule the commission team to ensure critical milestones were achieved

Jan 15 – Sept 16 Transalta – Operation Maintainer of 180MW Power Station

Operation and maintenance (through SAP Maintenance Management System) of 2 x 60 MW GE LM6000 Generators, 4 x 15 MW Solar Gas Generators plus auxiliary equipment. Auxiliary equipment includes compressed air station, Gas skids, diesel fuel systems, black start generators, hydraulic systems, lube oil systems and chilled water systems.

All daily and weekly maintenance and forward planning of major shutdowns.

Working in a callout capacity providing a 24hour service due to the large capital cost in power outage

Personally responsible for the maintenance testing both secondary and primary injection of all High Voltage equipment within the PowerStation

Jan 12 – Jan 15 ESP Australia, High Voltage Operation Supervisor

Management of all aspects of High Voltage Operations across the Solomon 132kv, 33kv, 11kv, 6.6kv Network. Responsible for the safe operations and maintenance of eight stand alone radio towers. Primarily identifying correct isolation points and ensuring effective positive isolations to enable tasks on the High Voltage Network to be carried out in a safe manner.

- Issuing of Permits, record keeping & High Voltage Testing
- HV Switching of Access Permits, Control Isolations, Network Blackose of Access Permits, Control Isolations, Network Blackstart and Load Shed restorations. Personally developed Solomon High Voltage Network Blackstart procedure and was one of the few HV Operators to be appointed to switch all HV Apparatus at Solomon. HV Switching for the purpose of attachment and removal of earths.
- Provide ongoing advice and forward planning of the Solomon High Voltage Network maintenance strategy.
- During commissioning worked in both construction verification and NOE preparation capacities. Completed initial energisations of two GE LM6000 60MW Generator and operation and maintenance of four GE MPU 15MW Generators

Aug 11 – Dec 12 John Holland, Bulimba Creek Project - TBM Electrical Supervisor

Overseeing all electrical subcontractors; the installation and maintenance of 5 Herrenknecht Tunnel Boring Machines. Commissioning, Fault finding, loop tuning of the following equipment, Siemens VSD's, Siemens S5, S7 PLC'S, Generators, pump control modules, flow meters, hydraulic circuits, pneumatic circuits, calibration of analyzers pressure flow instrumentation.

Consulted with management on timeframes and future works. Prepared, reviewed and maintained documentation associated with facility electrical systems. Audit contractor TRA's and Start Cards and implemented site isolation procedures.

Oct 10 – Aug 11 John Holland Thiess JV TBM Shift Electrician

Construction and Commissioning of a 12.5 meter Herrenknecht Tunnel Boring Machine and associated high voltage and low voltage reticulation, HV Switching, equipment included cranes, VSD's, S7 PLC's, hydraulics, pneumatics, conveyor systems and associated control, Water Treatment Plants, calibration of analyzers, pressure and flow instruments.

June 10 – Oct 10 John Holland, Northern Sewage Project, Shift Electrician

Construction and Commissioning of Herrenknecht 3 meter Tunnel Boring machines HV substations cable terminations, HV Switching and Tunnel communications, Leaky feeder, tunnel ventilation system, various pump control modules, grout plants, water treatment plants construction and ongoing loop tuning

Mar 03 – June 10 – Jenkins Electrical Contractors. – Electrical Construction Maintenance on various projects throughout Victoria.