

SAMUEL PARKIN

Brisbane, Queensland – PH 0405339080 – samuelparkin1@gmail.com - sam.parkin@shell.com

PROFESSIONAL SUMMARY

An experienced dual trade Electrical Instrumentation Technician with a broad knowledge of electrical apparatuses within the industrial gas industry. I have 6 years' experience within the CSG industry while also having 2 years with cryogenic air separation. I see myself as an honest, proactive person that works well within a team environment. I can also work well autonomously and can effectively troubleshoot, and problem solve tasks under high-pressure situations while also having a priority on safety.

QUALIFICATIONS/ LICENCES

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| <ul style="list-style-type: none">• Certificate IV - Electrical Equipment Hazardous Area• Certificate IV - Instrumentation and control• Certificate IV - Small Business Management• Certificate III - Electrotechnology• Certificate III - Instrumentation and control• Certificate II - Refrigeration• Queensland Electrical Fitter Mechanic License• HVSO – High Voltage Switching Operations.• First Aid Certificate | <ul style="list-style-type: none">• LV Rescue Certificate• CPR Certificate• Swagelok Certificate• Confined Space / Breathing Apparatus Certificate• Allen Bradley RSLogix 5000; ControlLogix Certificate• High Risk Elevated Work Platform license• Blue Card/ White Card• Queensland Drivers license |
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RELEVANT EXPERIENCE

Electrical Instrumentation Technician – Broadspectrum (QGC-Shell) – 2015 to present.

Plant maintenance-

- I have a board knowledge of all assets associated to Ruby Jo including CPP, FCS and Well sites.
- I able to submit, plan and execute preventative and corrective maintenance task using the Maximo maintenance management system. I ensure all tasks are completed to Shell standards by following task specific Work Instructions.

Safety Critical element-

- I understand the importance of testing of SCE and the potential risks involved. An important aspect of SCE testing is being aware of an assets Cause and effect voting system. This can be controlled by completing and following a QGC Management of Override and following its risk assessments.

Shutdowns -

- I have been involved in numerous facility shutdowns. I assisted in creating the work packs associated to the shut down while also executing the work. I also was responsible for coordinating contractors and ensuring they followed Shell safety and work procedures.

Roles -

- Whilst working at QGC I have progressed through different roles. Starting from a AEP role I began to increase my knowledge on the facilities. I can help explain to others how our systems work and what to in the event of a Black Start. My role at present is SAEP. I'm currently in the process of becoming REP for the southern region.
- I was also nominated by my peers to be the Health and Safety Representative (REP). I see this role as very important. It allows me to share with management any health and safety issues concerning the work force. It also allows me to notify the work force and any health and safety finding from external areas.

SKILLS

Processes and equipment

- Gas compression and refinement
- Cause & effect Testing
- Screw & Centrifugal compressors maintenance
- Reciprocating engines
- Generator maintenance
- HVAC Systems
- Uninterruptible Power Supplies (UPS)
- Programmable Logic Controllers (Siemens, Allen Bradley, Red lion, Honey well)

Instruments

- Bentley Nevada 3500 radial, axial, key phasor, vibration Analysis & temperature
- Mass Flow Transmitters (coriolus)
- Flow Transmitters (Differential Pressure, Magflows, multivariable)
- Temperature Transmitters/Elements
- Pressure Transmitters (Diaphragm, Hydrostatic)
- Level (Differential Pressure, Radar, Ultra-sonic , Magnatrols Float))
- Flame Detection (UV)
- Gas Detection (ultra-sonic, infrared)
- Gas analysers (O₂, Co₂, N, Ar)
- Gas chromatographs (Hydrogen)
- Dew point Moisture analyzers
- pH Transmitters

Motors

- Variable Frequency Drives (ABB, Siemens)
- DC excitation
- Star Delta soft start
- LV / HV motor maintenance

Others

- Experience with Maximo maintenance management system.
- EEHA inspections.
- Maximo Maintenance management system.
- ABB Motor Control Center Power Distribution Systems (RS485).
- MCC maintenance and switching.
- High voltage transformer maintenance.
- Battery discharge testing.
- High voltage switching.

WORK HISTORY

BROADSPECTRUM, ELECTRICAL INSTRUMENTATION TECHNICIAN, (SHELL- QGC), RUBY JO

2014 - PRESENT

- Senior Authorized Electrical Personal (SAEP) (REP pending)
- Broad knowledge on CPP, FSC and wellsite's maintenance
- Prepared and worked on multiple shutdowns
- Health and Safety Representative (REP)

DOWNER, ELECTRICAL INSTRUMENTATION TECHNICIAN, FAIRVIEW-ROMA, QLD

2013-2014

- QA/QC Hazardous Area Inspector.
- Reciprocating compressor and wellsite upgrades.

BOC GAS, ELECTRICAL INSTRUMENTATION TECHNICIAN/APPRENTICE, BULWER ISLAND / ROCKLEA.

2011-2013

- Cryogenic gas plant maintenance
- Acetylene and hydrogen plant maintenance
- Gas analyser calibration and repairs
- Hazardous Area Inspector.
- Completed Instrumentation Apprenticeship

B.I.L Electrical, ELECTRICAL APPRENTICE / TECHNICIAN, BRISBANE

2006- 2011

- Commercial and industrial construction / maintenance
- Completed Electrical apprenticeship.

EDUCATION

Certificate III - Instrumentation and control Skills Tech, 2013

Certificate III – Electrotechnology, Skills Tech, 2009

YEAR 12, CANNON HILL ANGLICAN COLLEGE, 2005

REFERENCES

Daniel Reardon

Plant Maintenance Supervisor, Shell.

Email - Daniel.Reardon@shell.com

Ph: +61429 106 586

Gordon Lawton

Plant Maintenance I/E Lead, Shell.

Email - Gordon.Lawton@shell.com

Ph: +61429 009 209

Dave Cannon

Plant Maintenance I/E Lead, Shell.

Email - David.Cannon@shell.com

Ph: +61432075761