

TJAART VAN DER WALT

4 Plymouth place Fairview downs , Hamilton NZ 3214
Res 07 853 8572 Cell 027 4300544 tvanderwalt@xtra.co.nz

CERTIFIED REGISTERED DUAL TRADING TECHNICIAN

INDUSTRIAL INSTRUMENTATION AND PROCESS CONTROL WITH HAZARDOUS AREA ELECTRICAL PRACTISING LICENSE

Combine astute, multi-disciplined high technology experience with a 42 year track record of successful performance installing, servicing and repairing complex electronic industrial, scientific measurement and control devices.

Proven ability to troubleshoot complex systems and subsystems down to the component level.

Thrives in a high-pressure, deadline-oriented atmosphere; able to resolve issues alone or in cross-functional team environments.

Highly developed interpersonal communication skills, able to act effectively in client facing situations.

Proactively identifies trends and problem areas, able to diagnose end user issues.

Proficient in MS-DOS, Windows and Outlook Operating Systems.

SUMERY

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| 1.) JLE Australia | Building Rocklands copper mine project in Cloncurry QLD AUS. |
| 2.) JLE Holdings | Hazardous gas areas at Vector natural gas transmission sites. |
| 3.) Wells I&E | Maintain and upgrade the huge condensate storage tanks. |
| 4.) Transfield Worley Limited | Senior I&E Construction Engineer for SHELL TODD projects. |
| 5.) Wells I&E | Senior instrument technician for KUPE NLG production facility. |
| 6.) Electrix Limited | Power reticulation control & line protection technician.
Upgrade Pentane binary 5MW, Geothermal steam 137MW and Hydro-power generators. |
| 7.) Quality Bakers of Waikato | Service and maintenance engineer. |
| 8.) ABB Hamilton | Instrument valve technician for CHH Tasman mill. |

RELEVANT SKILLS

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| • PLC maintenance | Control valves and positioners |
| • PH meters and probes | High Tension Transformer Instrumentation |
| • Conductivity meters | Stepping Motors in Transformers |
| • Analog control Circuits | Vibration and turbine shaft position |
| • Digital control Circuits | Excitation and speed control |

PROFESSIONAL EXPERIENCE

JLE Holdings, Auckland, Waikato Feb 2016 – Apl 2016

Instrument and Electrical Technician

1. Recruited for instrument installation and cable hookup of Holcim Auckland port cement off-loading facility.
 2. Connected measurement and control systems on automated truck loader systems.
 3. Acted as a installation and troubleshooting specialist.
 4. Worked with limited schematics and documentation; interfaced with customers.
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JLE Holdings, Auckland, Waikato May 2015 – Feb 2016

Instrument and Electrical Technician (Seconded to JLE Australia)

1. Charged with marking up positions for installing and calibrating all level, pressure and temperature instruments.
 2. Initially challenged with resolving several equipment installation failures, applied time management skills to allow presence on site to ensure problems were resolved.
 3. I was awarded the name of competent and helpful site Technician by client management.
 4. Recognized by client for pointing out erroneous installation of flow meters position in pipelines.
 5. Generated high customer satisfaction by translation of Chinese manuals to English for calibration procedure purposes.
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JLE Holdings, Auckland, Waikato Aug 2012 – May 2015

Instrument and Electrical Technician (Seconded to Vector Limited)

1. Alone working instrument and electrical natural gas transmission pipeline Technician.
 2. Done a Senior First Aid refresher course with the electrical site safe and testing procedures.
 3. Maintain accurate flow meter testing, Gas Chromatograph calibrations, Pressure and Temperature point calibration checks on Gas Transmission Pipe Line system while pumping natural gas across the North Island to reach every town's gas network.
 4. Charged with completion of domestic wiring at new gas pipeline metering huts for power outlets and lighting.
 5. Installed instrumentation and control systems in Hazardous gas areas at Vector's Natural Gas Transmission sites.
 6. Charged with maintaining and upgrade of compressors, Gas fired engines, station control systems and transmission compounds.
 7. Performed installation and on site troubleshooting of Gas volume reading corrector units.
 8. Maintained automation controls for gas metering hut compounds on planned maintenance schedules.
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Wells Instrument & Electrical, Taranaki Jan 2012 -- Aug 2012

Instrument and Electrical Technician (SHELL TODD Projects)

1. Charged with maintaining flow metering and temperature points for Paritutu Tank Farm Loading lines leak detection system while loading LNG and condensate to and from the carrier ships to protect the environment.
 2. Recruited for installation, maintenance and upgrade of the huge storage tanks level, flow and hazardous area control systems.
 3. Supervised and controled JSEA and HSE for 10 Painters, refurbishing and painting condensate storage tanks.
 4. Selected to generate permit to work for 4 Fencers refurbishing, earth bonding and painting the perimeter fence.
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Transfield Worley Limited New Plymouth Jul 2010 – Jan 2012

Senior I&E Construction Engineer on SHELL TODD Projects.

1. Managed contractors installing a flow meter and temperature points for Paritutu Tank Farm Loading line leak detection system.
 2. Managed contractors upgrading the Newton King Warf's McKee / EIL Loading line leak detection system.
 3. Generate complicated lifting plans for Titan cranes at SHELL TODD facility over live plant and pipelines.
 4. Generated ITR, ITC, QIS for mechanical quote purposes, organising work contracts and execution.
 5. Done a Senior First Aid refresher course with the electrical site safe and testing procedures.
 6. Prepared project safe working and environment protection Work Packs for execution of the projects.
 7. Managed contractors installing a Nitrogen blanketing control system for the storage tank at the Pohokura LNG production facility.
 8. Assisting in calibrations, commissioning and sign-offs to hand over the projects.
 9. Managed contractors at the SHELL TODD MPS plant project removing redundant equipment and down scaling process.
 10. Estimating project man hour costs and engineering costs of running work processes.
 11. Prepared Work Packs for redundant Instruments, complete with demolition and removal preparations.
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Wells Instrument & Electrical New Plymouth Jun 2008 – Jul 2010

Senior Instrument Technician (KUPE NLG Production Facility)

1. Generate Instrument Test Reports and Installation QA/QC control document systems.
 2. Pre-check with ITR, calibrate, certify Field-bus and HART Protocol measuring Instruments and control valves.
 3. Supervised and controled JSEA and HSE 6 installers and mark-up the positions in the plant for installers to install Instruments.
 4. Request the Issue of instruments from stores for plant installation and wiring.
 5. Assure correct installation of process points, impulse lines and cable type for instruments and control valves.
 6. Update document records, redline drawings and maintain filing system.
 7. Consult and advise other trades concerning installation of instruments and cables.
 8. Loop check and commission Delta-V distributed control system to interface with other instrumentation.
 9. Q&A Hazardous area required standards, enclosures, cable glands and instrument certs in explosive areas.
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Electrix Limited Taupo Branch Mar 2006 –May 2008

Control & Protection Technician (Passed NZ Electrical Registration Test)

1. Monitor and manage Geo-thermal area instruments, valves and control systems for power generation and resource concent.
 2. Plan, Install and upgrade electrical control systems in Transpower generation switch yards and stations.
 3. Done domestic lighting snd outlet socket wiring at a new extention to Rangipo correctional facility.
 4. Done domestic wiring at new housing complexes in Taupo.
 5. Fault-find and upgrade protection relay controls and faulty transmission power line protection systems.
 6. Update records, redline drawings and maintain filing system data.
 7. Down load sell relay data for power line protection circuits.
 8. Upgrade Tecron clocks for RTU and other protection units.
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Quality Bakers of Waikato Hamilton Jan 2006 – Mar 2006

Service and maintenance engineer (was not yet electrically registered in NZ)

1. Maintain the process control systems and repaired baking equipment in the bakery.
 2. Repair broken conveyor belt drive-motors, gearboxes and position control systems.
 3. Strip, clean and overhaul control valves, positioners and I/P's.
 4. Maintain and optimize dough mixing preparation systems, machines and baking ovens.
 5. Maintain boiler water and flour lines for quality and health control analysis.
 6. Maintain refrigeration units and air / ammonia compressors.
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ABB Hamilton based at CHH Tasman Mill Kawerau Aug 2005 – Dec 2005 Instrument Valve Technician (was not yet electrically registered in NZ)

1. Maintain the control valves in the plant with planed maintenance system.
2. Restock stores with refurbished and calibrated control valves and positioners.
3. Strip, clean and assess removed control valves, positioners and I/P's.
4. Acquire quotations from suppliers for valve spare parts.
5. Order parts, assemble and calibrate valves to specification.
6. Perform certified hydro pressure and leak tests on valves

EDUCATION AND CERTIFICATION

- Iscor Training centre South Africa
Industrial instrumentation and process control Level 3 1978
Outcome: Passed trade test and received a Red seal certificate.
 - Western institute of technology NZ
Installation and maintenance in Hazardous areas Level 5 2006
Outcome: unit standards 17058 / 17053 / 17059 / 17056
 - ETCO Training centre Rotoroa NZ
Registered Electrician E 249533 Level 4 2007
Outcome: Practicing electrical license
 - HSE Building in New Plymouth NZ
Health & Safety Level 3/2/1 2009
Outcome: Certified with unit standards 17588 / 17593 / 497.
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TRAINING COURSES

Supervisor enhanced safety training.	2011
Hazards and Effects Management Process trained.	2010
Certifying gas transmission pipeline gas chromatographs and process measurement equipment.	2012
Permit to work, Offshore Oilrig BOSIET (OPITO) trained.	2010
HIANZ working at heights certified, Confined space trained, Atmospheric Air / Gas Testing.	2010
NZ Electrical registration E 249533	2007
Senior First Aid refresher course with the electrical site safe working and testing procedures.	2015
WA Electrical License EW 173462	2013
Construction White Card 1874756	2015
Gladstone Work Safely at Heights RIWHS204D.	2015
AUS Drivers License 115 046 670	2016
NZ Drivers License DG 880966 (Renewed)	2016

LANGUAGES

English – native language
Afrikaans – native language

Lived, Qualified and Worked:

South Africa: Steel smelters, factories and gold refinery.	Jan 1974 – Mar 2002
Botswana: Open Pit Dimond recovery mine.	Apl 2002 – Jul 2005
New Zealand: Oil and gas, Power generation and pulp & paper	Jul 2005 – current
Australia: Cloncurry Copper mine	May 2015 – Feb 2016

Referees:

Brendan McCowatt	Vector Limited	027 223 6062
Dave Lean	Vector Limited	027 231 1680
Mark Thompson	JLE Holdings	09 275 7050
Craig Bryden	JLE Holdings	09 275 7050