

Kevin Bruce Jacobs

MIEAust CPEng NER APEC Engineer IntPE(Aus)

Profile

Professional Electrical, Control & Instrumentation Engineer

Professional Memberships

Engineers Australia (MIEAust – 3613806)

Vision

To utilise my acumen in EC&I Engineering in starting, leading, growing & improving the profitability, performance & value of diverse enterprises.

Personal Statement and Motivation

I am a highly competent and experienced EC&I engineer with a Master's Degree in Engineering Management from the University of Johannesburg. I possess a versatile range of industry acumen having worked and delivered EC&I engineering solutions to the gas, mining, construction (commercial & residential) and power industries in various countries including; Australia, Canada, Saudi Arabia and South Africa.

I have a commendable record of solving complex problems through effective, strong planning and implementation skills. Proven leadership skills, including managing and motivating teams to achieve company objectives. Strong systems knowledge of control system engineering and programming dealing with Modbus, Ethernet and Profibus protocols. CitectSCADA and RedLion HMI development experience. Electrical design in line with international standards.

Also, an articulate communicator in both written and verbal communications. Recognized for influencing growth and significant contributions in challenging roles. Dependable and reliable in supporting and enabling team effort to produce genuine long-term sustainable results.

Employment History

Position: Electrical, Control and Instrumentation Engineer

Period: November 2014 - Current

Company: Independent Contractor (Various Organizations)

Scope of Work Done:

- Control, instrumentation and electrical design work across gas and mining sectors.

Position: Electrical, Control and Instrumentation Engineer

Period: May 2013 - October 2014

Company: ProProcess (Johannesburg, South Africa)

Scope of Work Done:

- Control, instrumentation and electrical design work in the mining and oil sands region, Canada.

Personal Details

Address: Brisbane, QLD, Australia

Email: Kevin.Jacobs1982@yahoo.com.au

Cell: +61 422 254 859

Sex: Male

Nationality: South African

Professional Skills

- Electrical Engineering
- Systems Knowledge
 - Control system design and commissioning
- Electrical design in line with local standards.
- Control, Instrumentation and Electrical Design
- Equipment Design & Manufacturing
- PLC Coding and SCADA Development
- Project Management
- Technical Tender Adjudications
- Commissioning
- Electrics Trouble Shooting and Fault Finding
- Electrical and Control Instrumentation
- Quality Maintenance & Control
- Training & Supervision

Personality Traits

- Analytical with Proven problem-solving ability
- Strong Communication & Interpersonal Skills
- Innovative with problem solving skills
- Leadership & Supervisory Ability
- Assertive and goal orientated
- Loves and thrives under challenges

Academic Qualifications

2000 Matriculated, Bracken High School

Professional Qualifications

2008 Masters in Engineering (Engineering Management)

University of Johannesburg

2005 Bachelor in Engineering (Electrical and Electronic Engineering)

University of Johannesburg

Professional Certifications

2024 Certificate IV in Information Technology (Networking)

Upskilled

Position: *Sabbatical*
Period: *September 2012 – April 2013*
Company: *Family*
Scope of Work Done:
Relocating from Australia to South Africa and spent time with the family.

Position: *PLC/SCADA Service Engineer*
Period: *November 2011 – August 2012*
Company: *Ampcontrol (Newcastle, Australia)*
Scope of Work Done:
PLC and SCADA development in the coal mining industry dealing mainly with Longwall applications.

Position: *Electrical and Electronic Engineer*
Period: *February 2010 – October 2011*
Company: *Clyde Bergemann Africa (Johannesburg, South Africa)*
Scope of Work Done:

- *Electrical, control and instrumentation implementation in Power and other industries.*
- *Technical adjudications of tenders.*
- *Implementing compliance with regulations and specifications*

Position: *Sabbatical*
Period: *January 2010 – January 2010*
Company: *Family*
Scope of Work Done:
Took time of between working for two different companies.

Position: *Applications Engineer*
Period: *August 2008 – December 2009*
Company: *Actom (Formerly Alstom South Africa)*
Scope of Work Done:

- *Electrical design and supervising the manufacturing of the electrical equipment for the mining industry.*
- *Project management and time management for projects.*
- *PLC code development and testing as well as SCADA development.*

Position: *Project Engineer*
Period: *September 2006 – July 2008*
Company: *Citect*
Scope of Work Done:
PLC coding and SCADA development, testing and on-site commissioning in the mining industry

Position: *Electrical Engineer*
Period: *January 2006 – August 2006*
Company: *Watson Mattheus Electrical Consulting Engineers*
Scope of Work Done:
To obtain the architectural drawings for new jobs and developing tender drawings as per the client's electrical specifications.

Responsibilities Included:

- *Marking up electrical reticulation for and drawing of site plans*
- *Marking up electrical reticulation for and drawing of floor plans indicating lighting and power points*
- *Designing and drawing up of the single-line diagrams making up the distribution board*