
CV – Sam Stephenson BEng (Mech)

PERSONAL DETAILS

Name: Sam Stephenson

Address: 94 Kerr St
Mayfield NSW 2304
Australia

Telephone: Mobile +61 (0) 400 769 340

Email: sam.stephenson@chbdrives.com

CERTIFICATIONS

Supervisor Certificate
Disconnect/ Reconnect Fixed Electrical Equipment (Electric Motors and Appliances)
License Number 82817S

Certified Machinery Safety Expert CMSE
TUV Nord
License Number 44 506 17 458482 906

Vibration Analysis ISO Category 1
IVC Technologies
Certificate Number:

EXPERIENCE

CHB Drives – Australia (August 2018 – Present) Lead Engineer

Medium and low voltage variable speed drive consultancy work.

I S Systems – Australia (March 2012 - July 2018) Senior Project Engineer

Senior Project Engineer primarily responsible for electrical and mechanical design of distribution systems, switchboards, low voltage variable speed drive and automation projects including upgrades, new installations, breakdowns etc.

Projects include Concrete Pole Spinner, Tube Mill, Slitter, Bulk Materials Sampling, Conveyor, Pump Station, Diesel Power Station, Defence and Commercial Shipping Generation and Circuit Breaker Maintenance, and other industrial systems.

Responsible for all project technical deliverables ranging from electrical and mechanical design, drafting, software, fault finding through to commissioning.

Experience with variable speed drives – Siemens: Masterdrive and Sinamics ranges including 6RA70, Micromaster, G130, G150, S120 drives; ABB: ACS800, DCS800; Vacon

Experience with the following Siemens software packages - Starter, Sizer, Drive Monitor, Tool Suite, Debugger, Step 7, TIA Portal

Experience with the following PLCs and their respective software packages - Allen Bradley ControlLogix/MicroLogix, Siemens S7 1200/ET200S/S7 300/S7 400, Siemens S5, Toshiba EX500/EX100

Experience with the following automation products - Procentec Combricks, Procentec Profitrace, Pilz Safety Relays, Siemens Safety Relays, Schneider Zelio

Experience with SCADA/HMI packages - Citect SCADA, Siemens WinCC/ WinCC Flexible, Delta DopSoft, Redlion Crimson

Experience with diesel generator controllers – Selco C6200/M2500, Deap Sea Controllers, Cummins PowerCommand, Deif PPU-3

Experience with drafting software – AutoCad Electrical, Autodesk Inventor

Experience with iba high speed data acquisition and analysis software.

Experience with circuit breaker upgrades and service – ABB SACE low and medium voltage

Experience with vibration analysis of rotating machinery

Eraring Power Station – Australia (July 2007 – February 2012) Operations and Efficiency Engineer

Responsible for day-to-day operations management, efficiency improvement, performance testing, commissioning, project and maintenance management.

Started as a UNISS (University of Newcastle Industry Scholarship Scheme) scholar with experience in turbine asset management, boiler asset management, control and instrumentation, turbine and boiler upgrades and outage management, project management and commissioning, operations and efficiency improvement.

EDUCATION

University Education: University of Southern Queensland, Australia, 2014 - Ongoing (14 of 16 units complete)

Master of Engineering Science (Power Engineering)

University Education: University of Newcastle, Australia, 2007 - 2011

Bachelor of Engineering (Mechanical) Hons

Secondary Education: Coonabarabran High School, Coonabarabran, Australia, 2001 - 2006