

PROFILE

Automation engineer with 4 years programming PLC and SCADA systems for dairy, energy and water-treatment plants in Taranaki. Skilled in Siemens and Allen-Bradley platforms, FAT/SAT commissioning and IEC 61131 standards.

CAREER TIMELINE

Feb 2024 – Present

Automation Engineer

Fonterra, Taranaki

- Programmed and commissioned Siemens PLC upgrades on 3 dairy lines, 5% throughput gain.
- Maintained SCADA for 12 production units; response to faults under 30 min.
- Led FAT/SAT for a \$2M plant retrofit.
- Trained operators on new HMI.

Jan 2022 – Jan 2024

Graduate Controls Engineer

Powerco, New Plymouth

- Developed PLC logic for water-treatment stations.
- Updated electrical drawings and loop diagrams.

SKILLS

Control Systems: Siemens S7 / TIA Portal, Allen-Bradley ControlLogix, WinCC / Ignition SCADA, IEC 61131-3

Commissioning: FAT / SAT, Loop checks, Fault finding, Network (Profinet)

Documentation: P&IDs, Functional specs, AutoCAD Electrical

EDUCATION

BE (Hons) Electrical & Electronic Engineering
University of Canterbury, 2021

CERTIFICATIONS

- Engineering NZ Graduate Member
- Siemens TIA Portal certified
- Site Safe Passport
- Full NZ Class 1 Licence

Right to work: NZ citizen — full work rights, no sponsorship required • **Memberships:** Engineering NZ; IPENZ electrical interest group • References available on request