

RICHARD WYROD

CERTIFIED ENGINEERING TECHNOLOGIST

20 years of experience

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EDMONTON, AB – LOCATION

[RICHARDWYR.GITHUB.IO](https://richardwyr.github.io) – PERSONAL WEBPAGE

EXPERIENCE

2019 – Present

Powell Canada: Lead Field Service Technologist (Canada-wide)

- Powell MV & LV SWGRs MCCs and Breakers
- Powell MV & LV MCCs with Eaton and A-B contactors
- AC Protection & Control testing (SEL, GE, Basler, Eaton, Startco)
- DC SWGRs, Transformers, Rectifiers, NDC Breakers, Secheron VLD (grounding), Relays VGC (MPR, GR-5), and Siemens Sitras MDC commissioning, SCADA support, startup.
- SEL751, GE850, F35, C60 programming and commissioning (protection, logic, arc flash, and transfer schemes).
- Multiple models of SEL and GE relays maintenance testing
- Motortronics MV Soft Starters commissioning and startup
- Powell equipment installation advisory
- Test plans and forms creations and modifications
- Powell Automation commissioning, troubleshooting, and integration: MTM SWGR Transfer Schemes, PLC and Sentry Automated Racking with Weintek and Baijer HMIs, BriteSpot family fiber temperature monitors, BreakerView Circuit Breaker Monitor, Ecovisor and PinPoint Partial Discharge Monitors

2013 – 2019

Rising Edge Technologies: Senior Commissioning Technologist (Alberta and NL)

- 480V-240KV Equipment Commissioning (Power Transformers, CTs, PTs, CPTs, Breakers, Switches, Contactors)
- Industrial LV, MV SWGRs, MCCs (ABB, A-B, Powell, Eaton)
- Utility Transformers, CVTs, HV CTs, Harmonic Filters, Capacitor Banks, ABB breakers
- 35KV (Siemens), 315KV (GE/Alstom) GIS SWGR, and AC/DC 400KV converter
- MV Cables VLF and Tan Delta testing
- Battery Banks and Chargers
- Protection & Control, Protective Relays: GE and Startco

2005 – 2012

Chemco Electrical: Commissioning Technologist (Alberta)

- Industrial LV, MV Switchgears, Transformers, NGRs, Motors, and MCCs (GE, A-B, ABB, Eaton) Commissioning (Lead)
- Protection & Control, Protective Relays (Startco, E3)
- MV Cables VLF testing
- Quality Control of industrial electrical and instrumentation systems
- Construction and Maintenance of industrial electrical installations (Foreman)

EDUCATION

2007

Diploma in Electrical Engineering Technology (with Honours)
Northern Alberta Institute of Technology (NAIT), Edmonton, AB

2005

Diploma in Network Engineering Technology
Northern Alberta Institute of Technology (NAIT), Edmonton, AB

CERTIFICATIONS

- Electrician Journeyman (Alberta and Interprovincial) (2008)
- Power System Electrician Journeyman (Alberta) (2012)
- Doble Testing (2012)
- Motortronics MV Soft Starters (2020)
- CompTIA A+ (2003)
- Better Supervision, Leadership for Safety
- General safety certifications (first aid, fall protection, arc flash, Permit, LOTO, etc.)

SKILLS AND ABILITIES – SEE [RICHARDWYR.GITHUB.IO](https://richardwyr.github.io) FOR PERSONAL PROJECT SHOWCASE

- Windows, Linux, C, C++, SEL, GE Flexlogic, Ladder Logic
- Network Protocols, IP Addressing, Security, DeviceNet, Modbus RS485/TCP/IP
- AC Relays: GE (F35, C60, 350, 369, 489, 850) SEL (751, 351, 587, 787, 710) Eaton C441, Startco family
- DC Relays: VGC MPR, 32 and 64 relays, Siemens SitrasMDC, Secheron GRS (VLD)
- Omicron CMC356, CPC100, CTA, CIBANO Testers, Doble M4100 and SFRA
- AC/DC/VLF Hipots, Eaton Digtirip, Vanguard and Megger testers family (Ductors, Breakers, CTs, PTs, Transformers testers)
- Personal commissioning and troubleshooting innovations
- Specific task additional portable devices developed and built (Enhanced portable breaker test station, Programmable (C/C++) mini I/O controller, 3 phase mini portable source, MV Soft Starters commissioning set, more)
- Unconditional work authorization in Canada (Canadian citizen)