

Cybertech Automation helps industry build, configure, and commission instrumentation, electrical, and control system equipment.

MODICON 984/QUANTUM UPGRADES + MIGRATIONS

Founded 25 years ago by a core group of PLC programmers, Cybertech Automation has expanded into all areas of system integration. With over 85 employees, Cybertech remains one of Alberta's largest automation firms specializing in PLC programming. We complete numerous PLC installations and PLC system upgrades in a wide variety of industries each year. PLC-related work makes up approximately 60% of the 450+ projects Cybertech performs each year. Upgrading legacy systems or replacing obsolescent/unsupported hardware represents a large portion of this work.

We can consult on specific aspects of control systems, or we can provide complete turnkey solutions supported with our design, procurement, fabrication, installation and commissioning experience.

PLC SYSTEM INTEGRATION CONSULTING

We can:

- Evaluate your existing PLC control system
- Provide migration plans for PLC system obsolescence
- Make PLC performance, architecture and industrial communication network recommendations
- Provide detailed electrical designs for PLC system upgrades and additions
- Prepare request for proposals, bid spreads and evaluation of PLC quotes
- Procure PLC systems
- Provide client representation, prepare test programs and direct factory acceptance testing and site acceptance testing
- Provide full integration from PLC plant floor devices to BPCS to management level information
- Provide cabinet and rackroom electrical and field instrumentation design services

PLC COMMISSIONING

We provide start-up and commissioning services with full documentation including:

- Electrical/instrument PLC system commissioning
- Factory and site PLC acceptance tests
- Operations/maintenance manuals
- Field PLC installation checks
- Loop/control logic checks

Over half of our staff has 10+ years of experience delivering projects for repeat clients – with over 250 systems and 100,000 I/O points commissioned.



Contacts

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PLC UPGRADE EXPERTS

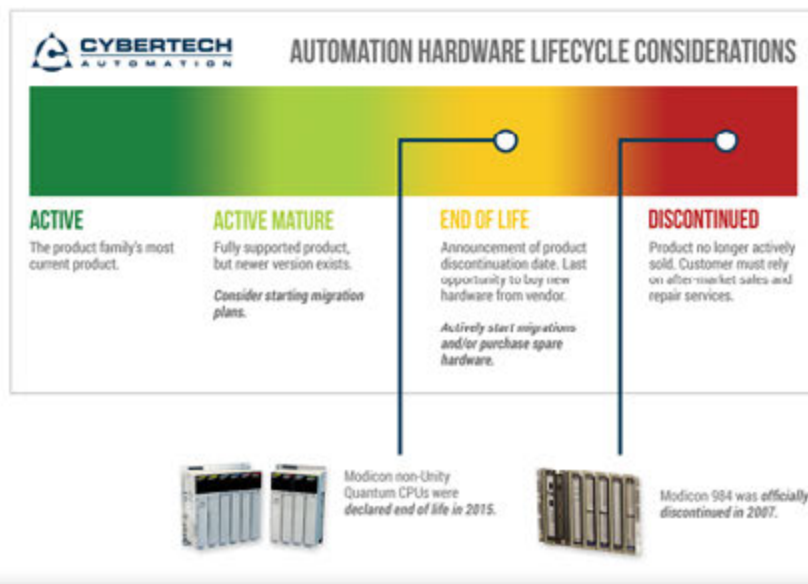
Cybertech has **decades of experience with Modicon 484, 984 and Quantum platform upgrades and migrations**. For **25 years**, Cybertech has worked with a major North American pipeline network deploying, commissioning and maintaining PLC/HMI programs for **over 80 pump stations**.

During that time, Cybertech has supported upgrades from legacy Modicon 984 ladder logic to Schneider's Quantum platform and subsequently to Unity platform IEC Function Block and Structured Text programming languages. The massive scope of these rolling upgrades has touched nearly **50,000 I/O points** over the lifetime of *one project alone*.

Typically working as the Main Automation Contractor (MAC) for projects, Cybertech's deep knowledge of multiple Schneider product lifecycles allows us to advise our customers on best practices for design, programming and commissioning.

Cybertech's recent Modicon upgrade experience also includes:

Industry	Legacy System	I/O	Notes
Pipeline	Modicon 984	~1000 hard ~50 soft	Pump station program rewrite, electrical design and SCADA development. Upgraded to Unity platform with M580 hardware.
Forest Products	Modicon 984/ Quantum	~200 hard	Planer mill backend conversion to Allen-Bradley ControlLogix PLC. Pre-existing cabinets reconfigured and all I/O commissioned.
Power Generation	Modicon 984/ Quantum	112 hard 200 i soft	Hydro power generation facility required upgraded CPUs and conversion of Concept PLC code to Unity. Three generation units were brought off and online within scheduled outage windows.



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