

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

PLC-5 UPGRADES + MIGRATIONS

Cybertech Automation completes 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:

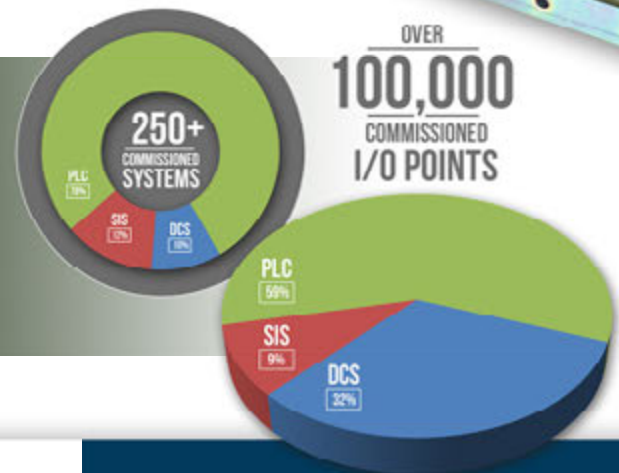
- Evaluate your existing PLC control system
- Provide migration plans for PLC system obsolescence
- Make PLC performance, architecture and industrial communication network recommendations
- Provide detailed designs for PLC system upgrades and additions
- Prepare request for proposals, bid spreads and 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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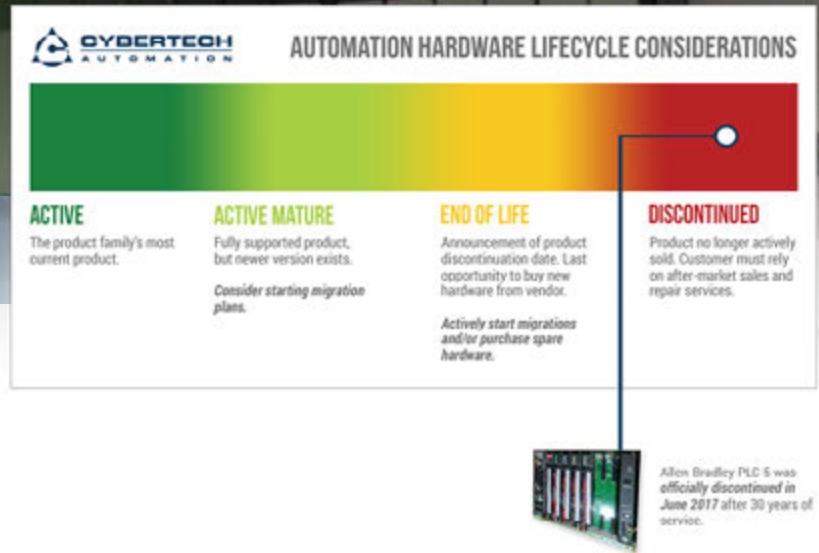
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 Edmonton, AB Canada T5S 1G3
www.cybertech.ca

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RELEVANT PROJECT EXPERIENCE

Cybertech has extensive PLC-5 upgrade experience. Below are some recent sample projects where we operated as the Main Automation Contractor (MAC) for design, programming and commissioning. Performed for a variety of industries, the projects touched on Ethernet, ControlNet, DH/RIO and DeviceNet network topologies.



Industry	PLC-5 Upgrade Path	I/O	Notes
Pipeline	PLC-5 to ControlLogix 5000	DI/DO ~300, AI/AO ~50	90% of the 1771 I/O remains (via RIO) – remainder is 1756
Pipeline	PLC-5 to ControlLogix 5000	DI/DO ~500, AI/AO ~100	90% of the 1771 I/O remains (via RIO) – remainder is 1756
Food and Beverage	PLC-5 to ControlLogix 5000	DI/DO ~1,900, AI/AO ~425	15% of 1771 I/O remains (via RIO) – remainder is 1756
Pipeline	PLC-5 to ControlLogix 5000	DI/DO ~500, AI/AO ~100	90% of the 1771 I/O remains (via RIO) – remainder is 1756
Food and Beverage	PLC-5 to ControlLogix 5000	DI/DO ~850, AI/AO ~100	25% of 1771 I/O remains (via RIO) – remainder is 1756
Pipeline	PLC-5 to ControlLogix 5000	DI/DO ~500, AI/AO ~100	90% of the 1771 I/O remains (via RIO) – remainder is 1756
Water Treatment	PLC-5 to ControlLogix 5000	DI/DO ~350, AI/AO ~50	100% of the 1771 I/O remains (via RIO)
Pipeline	PLC-5 to ControlLogix 5000	DI/DO ~500, AI/AO ~100	90% of the 1771 I/O remains (via RIO) – remainder is 1756

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