



**Ready is an engineering industry leader, providing controls and electrical engineering expertise to heavy industrial facilities including those in the Transmission Pipeline Industry.**

Ready recognizes that the value we bring to our Pipeline customers is our responsiveness to their needs. By working closely with the customer's engineers and technical personnel, Ready's expertise in sophisticated controls, communications, protection, and power distribution systems helps our customers extract more value from their facility operations.

### **INDUSTRY EXPERTISE**

- PLC, HMI, and SCADA System Design and Configuration.
- Start-up and Commissioning Support.
- Power Generation and Distribution Design.
- Process Historian Installation and Configuration of Process Reports.
- Remote Video Surveillance and Intrusion Detection.

### **TECHNICAL EXPERTISE**

- PLC: Allen-Bradley, Modicon, Siemens, GE.
- HMI: Citect, Wonderware, Intellusion, FactoryLink, WinCC.
- SCADA: Bristol, FloBoss, ROC, SCADApack.
- Video Historian, Surveillance and Intrusion Detection: Longwatch.

### **SPECIALIZED SERVICES**

- Engineering packages that are complete, consider constructability, and are designed with the customer's drawing and design standards.
- Professional Engineers in Canada and USA offices.
- Compressor Station Unit and Station HMI Design.
- Metering Station Electrical and Instrumentation Design.
- Post start-up PLC, HMI, and SCADA 24/7 standby and remote support.

#### Ready Engineering Corporation

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#### Ready Technologies, Inc.

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**INDUSTRY PARTNERS**

Nexus Technologies Group (Panel Shop)  
TANEx Engineering  
Willowglen Systems Inc.

**TYPICAL CLIENTS**

Enbridge  
TransCanada  
ATCO Pipelines  
Gas Transmission Northwest

**PIPELINE INDUSTRY PROJECT EXAMPLES****Pipeline Expansion PLC Upgrades, 16 sites across Saskatchewan and Manitoba**

Designed and installed the PLC and communication network of a pipeline due to the capacity increase of a pipeline spanning two provinces. As a result, 11 Modicon Quantum PLCs and 7 Compact PLCs were installed along with the upgraded of 23 model 984 PLCs at 16 sites across Saskatchewan and Manitoba.

**Pipeline Compressor Station HMI, Nebraska, USA**

Designed a Compressor Station HMI for Station, Unit and ESD PLCs using the Wonderware HMI programming software. Provided remote start-up and commissioning support. The project was successfully designed to have a similar look, feel, and functionality as existing compressor station HMIs that were programmed with a different HMI platform.

**Pipeline Metering Station, Northern Alberta**

Modified existing receipt metering design to include a low volume sales meter. Created site specific electrical and instrumentation drawings for a non-standard meter station design. By working closely with the client on this fast track project Ready was able to help define required work scope for successful project implementation. Ready was able support the project with resources as required to execute additional work and still maintain the critical project schedule.

**Natural Gas Metering SCADA System Design, Multiple Sites**

Designed the SCADA systems for metering natural gas between the transmission pipeline and distribution company. Design included radio path design, antenna configuration, power distribution design from utility or thermoelectric generator, and locating new SCADA equipment on site layout drawing.

**Pipeline RTU and SCADA Upgrades, Oregon**

Ready performed software and hardware upgrades to RTUs and supporting SCADA computers for a pipeline in Oregon.

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