



Quad Automation Inc.

Servicing the Manufacturing and Process Industries

Professional Services

- Control system design
- Application feasibility studies
- Troubleshooting processes and equipment
- Power system studies and design
- Installation engineering
- HMI applications development
- PLC programming
- Drives and motion control applications

Standard applications

- Energy management systems
- Data acquisition and process analysis
- Line efficiency monitoring systems
- Product tracking
- Speed synchronization
- Test stands
- Cut to length systems

Products

- QMA - Quad Maintenance Assistant
- PFS - Engineering design tool
- LMS - Line monitoring system
- QMCS - Quad Mill Control System

Training

- PLC programming
- HMI programming
- Drives and Servo applications
- Control System Design
- North American Standards

QAI is a Canadian engineering firm that has been providing professional services for over 12 years and developed a reputation for tackling complex control solutions, utilizing hardware and software technologies that address performance and budgets concerns of our customers

Advanced automation solutions were scaled into several repetitive standard hardware and software designs and practices. This in-turn gives our customers a comfort level when seeking proven solutions.

QAI sells fully developed technologies. Most of the products are unique and have been developed through intensive R&D effort. We also represent and provide technical support for other products carefully selected for their unique technological edge

QAI provides training for the professional, not familiar with local technologies and standards. These courses are of two weeks in duration and prepare the individual to adapt to the local, highly-skilled environment.

WEB ENABLE YOUR MACHINERY AND EQUIPMENT

- Sensors, Valves, Actuators, Drives
- Manipulators, Conveyors, Packaging Equipment, and Presses
- PLC's and HMI's

Let us look at your application and determine the appropriate Web enabled solution for monitoring, data acquisition or interface to plant Web

- Create wireless or wired access to plant floor systems
- Create Networked islands using Wired/ Wireless Ethernet
- Create data interface and middleware to legacy systems, ERP, or MES using ODBC, DDE, OPC, or TCP sockets
- Setup a data exchange server with multiple OPC clients/ Servers
- Communicate to multiple PLC's

HOW ?

Quad Automation can help engineer a network solution

1. Connect your equipment using isolated I/O or communication interfaces to 802.11b network kit, for wireless connectivity
2. Interface your equipment to a wired (Ethernet) SBC
3. Send data in packets to a data exchange and communication server.

Don't let your equipment drown. Set up the communication island and put it on the Plant Web.