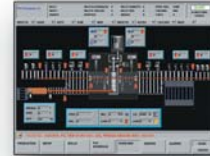


QAI TRAINING



• NETWORKING
• DRIVES

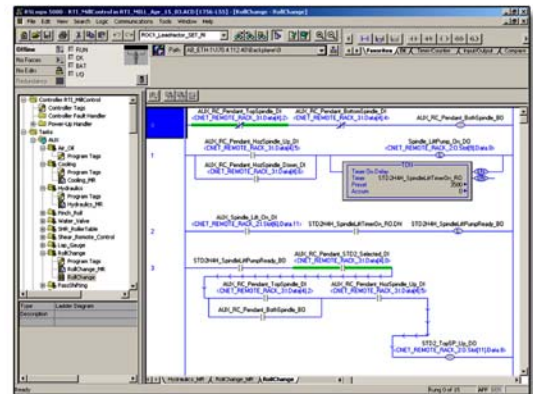
• PLC HARDWARE & PROGRAMMING
• HMI
• CSA STANDARDS

PLC HARDWARE & PROGRAMMING

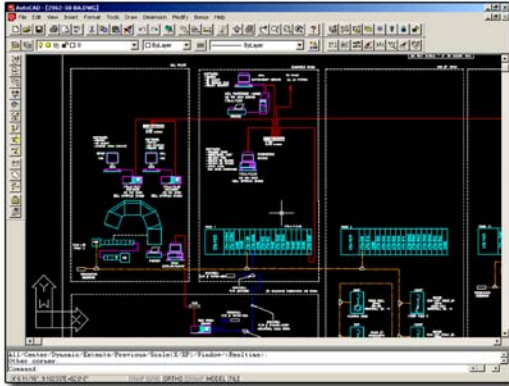
- Hardware :Allen Bradley (Control Logix) , Schneider (Quantum), GE 90-30 (VersaPro)

Programming:

- Programming concepts
- Ladder Logic, Creating Routines, Timers, Counters, Coils
- Function Blocks , Structured Text
- Program debugging and clearing CPU faults
- Getting On-Line with CPU, Upload / Download programs
- Monitoring Parameters (Tags), I/O Forcing
- Creating On-Line trends (Chart records)



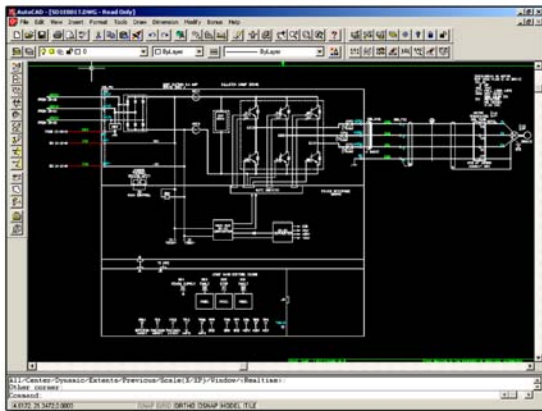
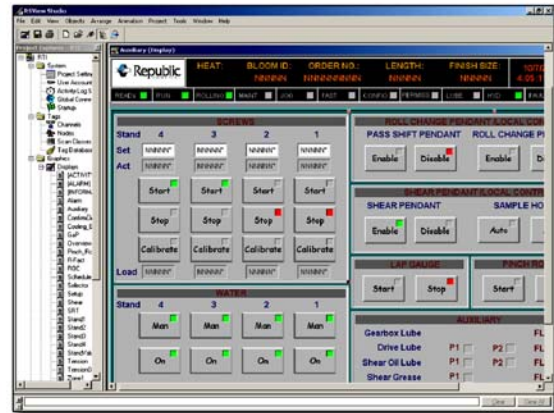
NETWORKING



- Networking Concepts
- Ethernet, Controlnet, Devicenet, Modbus Plus
- “Who Active” on the network concept
- Go Online with any Network

HMI

- Programming concepts
- Creating Pushbutton, Numeric display, Indicator
- Assigning Object Tags, Appearance style, States and Connections
- Generating Alarms for the process
- Creating Run-Time project and Testing MMI with PLC



DRIVES

- AC / DC drive concepts
- Parameterisation of drives
- Tuning, Fault finding
- Running drives via the Network

CSA STANDARDS

- Basic understanding of Canadian code CSA

For information regarding the courses schedule and fees contact Sandra at 416-391-3755
Courses begin in Feb 2004