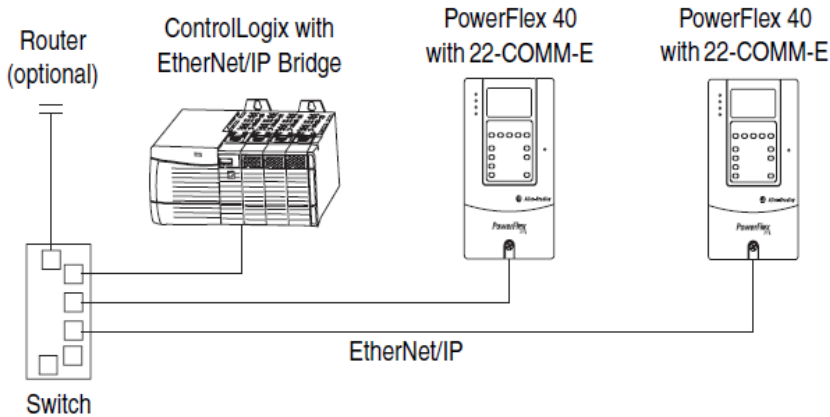


Control Masters Application Case Study

ETHERNET DRIVE CONTROL



Technologies

ControlLogix Ethernet/IP Comm.
 RSLogix 5000 Programming

Services Provided

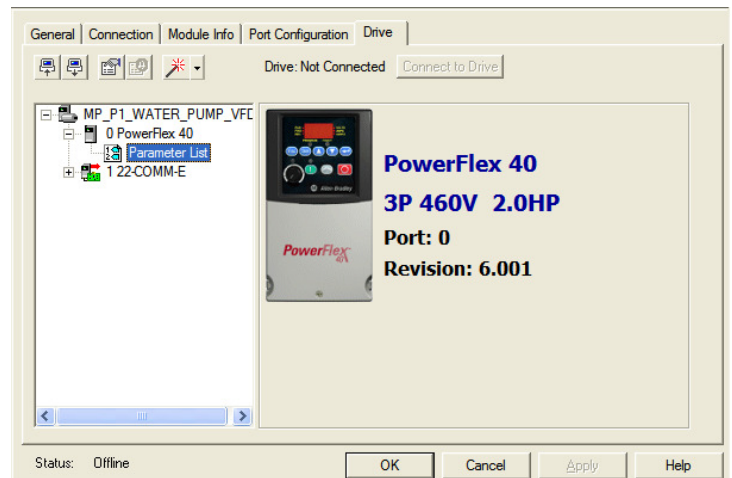
PLC Integration
 SCADA / HMI Integration
 Electrical Engineering
 Control Panel Design & Fabrication
 Start-up Support

Project Description

For this project the customer asked to reduce the setup and wiring of the Powerflex drives. To accomplish this 22-COMM-E Ethernet cards were installed into the Powerflex drives. The drives were setup using RSLogix 5000 programming software.

This solution provides more space in the control panel by reducing the amount of wires needed to operate the drives. The customer is also able to trouble-shoot the drives easier and in a more efficient way by using the drive parameters and displaying drive alarm conditions on the HMI.

Using the RSLogix 5000 programming software, the customer is also able to make modifications to the drives. These settings can then be saved with the RSLogix 5000 program. This allows for all changes to be saved and tracked in one simple file.



Parameter Group: All Parameters

ID	Name	Value	Units	Internal Value	Min	Max
1	Output Freq	0.0	Hz	0	0.0	999.9
2	Commanded Freq	0.0	Hz	0	0.0	999.9
3	Output Current	0.00	A	0	0.00	8.00
4	Output Voltage	0.0	V	0	0.0	999.9
5	DC Bus Voltage	0	V	0	0	1200
6	Drive Status	00000000...		0	00000000...	000000...
7	Fault 1 Code	0		0	0	9999
8	Fault 2 Code	0		0	0	9999
9	Fault 3 Code	0		0	0	9999
10	Process Display	0		0	0	9999
11	Process Fract	0.00		0	0.00	0.99
12	Control Source	0		0	0	255
13	Contrl In Status	00000000...		0	00000000...	000000...
14	Dig In Status	00000000...		0	00000000...	000000...
15	Comm Status	00000000...		0	00000000...	000000...
16	Control SW Ver	0.00		0	0.00	99.99
17	Drive Type	0		0	0	7000
18	Elapsed Run Time	0	x10h	0	0	9999
19	Testpoint Data	00000000...		0	00000000...	11111...