

Discrete Parts Handling Conveyor Control and Parts Tracking



The system configuration shown in the drawing below is for a DOD repair facility. Discrete parts are dispatched and tracked throughout a large facility. The control system consists of seven Allen-Bradley PLC-5's, networked with an Allen-Bradley Pyramid Integrator (PI) containing a MicroVax processor. The Pyramid Integrator also is networked to a higher level computer. The PI tracks all parts throughout the system and provides routing decisions. The PLC-5's provide local traffic control and field device interfaces.

In addition, a Personal Computer is networked to the system via the Data Highway. The PC provides a dispatch point for parts coming from an external system. The PC software is designed around a Data Base Manager with an interface, which supports the DH protocol.

Fenton Systems provided the following for this system:

- System Design
- Enclosure Design and Manufacturing
- System Drawings and Diagrams
- PLC Logic
- MicroVax Programs
- System Test
- System Startup
- Training

