



Mayne Pharma
 Mulgrave, Victoria, Australia
 July 2004 to September 2005

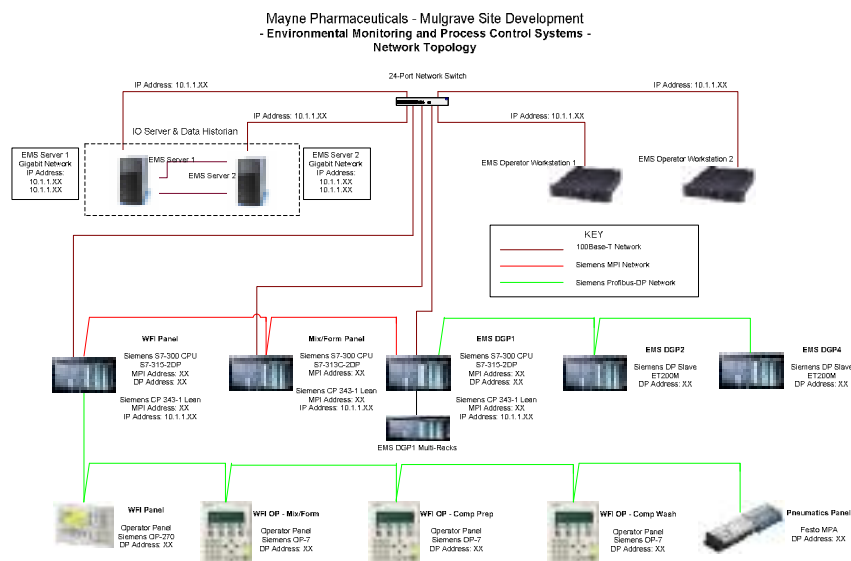
Building No.9 ANP Facility

Environmental Monitoring System
 Formulation/Mixing Control System
 WFI Storage and Reticulation
 CIP & Heating Skid Control Systems
 Fault Tolerant Redundant Servers

Project Description

Scope of Works:

- Develop Hardware and Software Design Specifications
- Supply and install all hardware
- Design and fabrication of new control cubicles
- Design and develop PLC software for 3 Siemens PLCs (1 with remote racks) and 4 Siemens Operator Panels
- Supply and install fault tolerant server system (2 redundant servers utilising Marathon FTVirtual Server) running Data Historian and IO Server
- Supply and install 2 Clients with remote screens hosting SCADA Application (Wonderware)
- Other activates encompassed:
 - Project Management
 - Commissioning including FAT and SAT
 - Operator Training
 - Full Documentation including SDS, HDS, O&M, SAT, FAT, Electrical Drawings and Testing, Calibration data and user manuals.
 - GAMP Compliance
 - 21 CFR Part 11 Compliance
 - Full Batch Recording (21 CFR Part 11)



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