

PROJECT PROFILE

Owner:

Genentech, Inc.

Project Name:

Building 8 Parental Manufacturing
Facility Expansion (GPMX)

Project Location:

South San Francisco, CA



Technical Summary:

Bay-Tec was responsible for the new utility controls and distribution storage for the WFI, Pure Steam, and Glycol systems. The system provided SIP sequences for all of the piping and three process suites. A separate system was installed for the Environmental Monitoring Systems (EMS) serving Building 8 fill and finish equipment. The control system is composed of four Allen-Bradley PLC-5 controllers, Three Intellution iFix SCADA servers with hot back up and 10 inferred touch screen HMI industrial computers. The fill finish area network for the existing facility was tied into this project for monitoring and access to engineering changes.

The system included custom reporting capabilities for the EMS to allow cGMP reports to be attached for batch record tracking. The reports included history of temperature, pressure, humidity, particle counts, and alarm monitoring. Communication to the fill suite included multiple skids and the filler. Custom reports were created for the filler to determine vial counts and sample vial weights.

Scope Responsibility:

Bay-Tec was responsible for complete control system design and implementation inclusive of: System architecture, instrument specifications and datasheets, control panel design and fabrication, instrument procurement and installation, software design and integration, loop checks and calibration, coordination of the tubing installation, coordination and testing of the network installation, coordination I&C electrical installation, mechanical installation, system commissioning and start-up, and validation support.