

PROJECT PROFILE

Owner:

Chiron

Project Name:

VPU – Vacaville Purification Unit

Project Location:

Vacaville, CA



Technical Summary:

This project was a purification suite for a manufacturing facility inclusive of multiple buffer tanks, large scale CIP and SIP, and the traditional downstream purification process equipment. The control platform is Allen-Bradley ControlLogix with (5) Allen-Bradley OITs. The system utilized DeviceNet with distributed I/O throughout the process area.

The size of this system can be quantified as follows:

I/O points:	350
OITs:	5
Controllers:	1

Scope Responsibility:

Bay-Tec was responsible for complete control system design and implementation inclusive of: Conceptual design, System Architecture design, Instrument specifications and datasheets, instrument installation details, control loop diagrams, control panel design and fabrication, instrument procurement and installation, software design and integration, loop checks and calibration, system commissioning and start-up, and validation. Bay-Tec subcontracted the electrical and mechanical subcontracts for the control wiring and control air tubing.