



## Current and Past Projects

- ***Process Engineering Fabricators - Received 2003 – Estimated value \$ 200K***

This project required us to supply of instrumentation as well as control panels for a filtration process packaged solution. Control panels are provided for PID application
- ***Prudence Island WTP- Received 2002 – Estimated value \$ 20K***

This project required us to supply of instrumentation as well as control panels located to create a point to point PID application.
- ***Walnut Hill WTF- Received 2000 – Estimated value \$ 500K***

This project required us to supply a variety of instrumentation as well as numerous control panels located throughout the facility, all requiring integration with an existing large DCS Used for central plant control.
- ***Winchester, MA Water Department - Fully integrated Modicon PLC Subsystem with computer interface for control and monitoring and remote telemetry. Full instrumentation package for a wide variety of analytical and process control. Job completed in 1993. Contact person is James Givens at (617) 721-9015. Estimated value \$400K.***
- ***MWRA, Boston, MA, Deer Island W.W.T.F. - Automatic control of primary treatment process utilizing Allen-Bradley PLCs at sixteen locations throughout the process for monitoring and control. Full instrumentation package along with RTUs were successfully integrated to a large distributed control system. Job completed in 1992. Contact person is Joan Warlock (M&E), Lead Design Engineer at (617) 246-5200. Estimated value \$510K.***
- ***Portsmouth, NH W.W.T.F. - Automatic control of SBRs, chemical feed, sludge system, aeration, etc. using PLC subsystem with computer interface and full instrumentation package, along with remote telemetry package. Job is being started up—completed in 1997. Contact person is Susan Diaz at (603) 427-1530. Estimated value \$300K.***
- ***Peabody, MA Water Department - Fully integrated control and monitoring for plant-wide system and remote telemetry utilizing Allen-Bradley PLC subsystem and high performance computer interface. Instrumentation and panel package included in job. Contact person is Peter Smyrnios at (508) 532-8000. Estimated value \$400K.***
- ***Canal Cities Phase II Wastewater Project, Port Said, Egypt - Provided complete instrumentation package with stand-alone controllers using continuous on-line Hot Backup Siemens PLCs for***

- control of the influent sewage pumping station, effluent sewage pumping station and administration building master monitoring system. Additional equipment was supplied to the Qantara water booster pumping station to deliver drinking water in the City of Port Said, Egypt. This consisted of a stand-alone, completely computerized controller and field instrumentation for control of eight high lift pumps and automatic control of four micro strainer units. Job completed in 1996. Contact persons are Vickie Dyson (M-K) at (208) 386-5175 and Michael Kostner, Project Engineer (CDM) at (617) 252-8100. Estimated value \$500K.
- ***Westboro, MA Water Department*** - SCADA system providing plant and remote monitoring and control. Fully integrated in 1996, this computer/PLC-based system communicates with eight remote pump stations and three tanks via cable television. Job completed in 1996. Contact person is Roy Wood at (508) 836-3672. Estimated value \$250K.
  - ***Waterbury, CT W.W.T.P.*** - Providing plant-wide instrumentation and controls system using Allen-Bradley PLC/5 Programmable Logic Controllers interfaced with Digital Equipment Corp. high performance operator workstations, and a complete instrumentation package including control panels. Job in progress. Contact person is David Heyde (Worth Construction) at (203) 797-8788. Estimated value \$1.1M.
  - ***Wellesley, MA W.T.F.*** – Provided instrumentation and controls for three water treatment facilities along with a PLC PC-based SCADA system. Contact person is Joe Dugan. Estimated value \$500K.
  - ***Cottage Farms – Received 1998 -- Estimated value \$320K***

This is a CSO project utilizing fiber optics technology to integrate multiple PLC's for fully automated plant control with a SCADA system and remote telemetry. Data is continuously updated and stored to produce various types of DEP required reports that are readily accessible via the HMI desktop computer equipment and software used for every day plant control.
  - ***Deer Island – Received 1997 -- Estimated value \$510K***

This project required us to supply a variety of instrumentation as well as numerous control panels located throughout the facility, all requiring integration with an existing large DCS used for central plant control.
  - ***Framingham – Received 1997 -- Estimated value \$150K***

Complete instrumentation and controls were provided including remote telemetry utilizing leased lines and HMI equipment with operator interface software for purposes of plant control.