



Allen Rogers, P.E. | Principal

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Mr. Rogers is a programmer and designer with experience in electrical design, control systems, and Telemetry and SCADA systems. Mr. Rogers has assisted in the design, programming, startup and maintenance on several source water, water treatment, wastewater collection, and wastewater treatment projects. Mr. Rogers has experience with many different aspects of SCADA systems. He has worked with many different programmable logic controllers including Allen Bradley, Control Microsystems, and Modicon. He has used many different operator interfaces including Allen Bradley, C-More, and Maple. He has experience with GE Fanuc iFix (Intellution) HMI software. He has assisted in the design and installation of new systems, replacement of old systems, and expansion of existing systems. Mr. Rogers has worked with several different communication systems including radio, Ethernet, serial, and proprietary communication systems. Mr. Rogers has also assisted in several path studies using licensed and unlicensed radios.

Project Experience

Gallup Water SCADA Replacement, Gallup, NM: Programmer

Mr. Rogers assisted in the programming of the HMI and PLCs of the city's SCADA system. The project replaced over twenty remote sites during an installation time of two weeks.

Gallup Wastewater Expansion, Gallup, NM: Programmer

Mr. Rogers assisted in the programming of plant PLCs and the creation of loop diagrams for additions to the wastewater plant.

Lost Creek and Rockport Boosters, Summit County, UT Programmer

Mr. Rogers programmed the PLCs, operator interfaces, and HMI for the Lost Creek Booster expansion and the Rockport Booster stations. The main pump station had 10 pumps running at 500 PSI.

Mountain Regional Water, Summit County, UT Programmer/Project Manager

The system includes 40 remote sites, a treatment plant, and large booster pump system. Mr. Rogers is currently involved in setting up new radio networks and upgrading hardware and HMI software for the system.

Elko WWTP Upgrade, Elko, NV. Designer

Mr. Rogers assisted in the electrical design, load calculations, conduit schedules, and lighting plan for the Elko WWTP Headworks expansion project.

Elko WWTP Reporting, Elko, NV. Programmer

Mr. Rogers was responsible for the design and programming of a complete reporting package that integrated all reporting aspects of the plant from the lab, operator field readings, and HMI historical data into one database. Reports were then automatically generated from information contained in the database.

CWSID WWTP Upgrade, Ogden, Ut. Designer

Mr. Rogers assisted in the design of the control system of the Central Weber Sewer Improvement District WWTP 60 MGD upgrade. He was responsible for developing many control loop specifications and aided in the creation of the process and instrumentation diagrams.

Intrepid Potash, Carlsbad, NM. Programmer

Mr. Rogers was responsible for a large portion of the programming of an underground stacker/reclaimer system that involved a stacker, several conveyer belt systems, and a loading system.

Education

BS Electrical Engineering
University of Utah, 2010

Registration

Professional Engineer (Electrical):
Utah

Work Experience

10 Years

Specialties

Programming
Project Management
Design
Electrical Design, Control Systems, Telemetry
and SCADA systems
Programmable Logic Controllers
HMI
Radios

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Project Experience (continued)

Quinns Junction WTP, Park City, UT. Project Manager

Mr. Rogers was in charge of the integration of the Quinn's plant which included programming the plant PLC, HMI Software, and reporting for the plant. Mr. Rogers's was also responsible for integrating the OEM Pall system into the plant HMI to create a seamless operating experience for the plant staff.

Salt Lake City WRF, Salt Lake City, UT. Project Manager

Mr. Rogers just completed a network upgrade at the plant that installed a new fiber backbone throughout the plant and new CTC cabinets using Layer 2 and 3 Cisco switches in nineteen locations. Mr. Rogers is currently designing the replacement of the antiquated remote IO system throughout the plant with new PLCs.

Las Gallinas Re-use Water Project, San Rafael, CA. Project Manager

Mr. Rogers led the design team for the closed filter re-use water project in Las Gallinas. The system consisted of treating effluent with a GE Zpak system for irrigation use. Mr. Rogers recently finished construction oversight on the electrical portion of the project.

