

WILLIAM PATRICK RINEHART

Snowdwell Industrial, LLC

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Anchorage, AK 99508
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(907) 227-5039

Area of Expertise

Electrical engineer with a focus on control systems and electronic instrumentation.

Education

University of Missouri-Columbia
Bachelor of Science in Electrical Engineering, December 1990

Skills and Qualifications

- State of Alaska Registered Professional Engineer: EE-10166.
- Electrical and electronic system design, implementation and quality assurance.
- Strong focus on PLC programming and HMI system configuration. Major platforms include Allen-Bradley PLC equipment and HMI software, Wonderware HMI, Siemens Step 7 and WinCC, GE iFix/Proficy and Moore APACS/QUADLOG.
- Microwave and radio frequency communications experience. Familiar with voice and data communications equipment and multiplexer systems. Experienced with analog RF and digital communications systems and associated testing and diagnostic tools.
- Industrial networking and network security. Firewall configuration, VPN systems and switch configuration.

Work Experience

- 2011-Present** Snowdwell Industrial, LLC. Owner and principal employee of a limited liability company focusing on control system design and industrial automation programming. Authorized to perform Electrical Engineering in the State of Alaska.
- 2001-2011** Dowland-Bach Corporation. Control Systems Engineer, projects department. Responsible for industrial control panel design engineering and PLC programming. Typical applications involve wellhead controls, chemical injection, flow metering, safety shutdown systems and water treatment systems.
- 1998-2001** VECO Alaska. Senior Engineer II in the Instrumentation and Controls department. Responsible for control systems engineering, PLC programming and network communications system engineering.
- 1997-1998** Alaska Village Electric Cooperative/Microgen Technologies, Inc. Applications Engineer involved in design and programming of automated generator control systems and remote power monitoring equipment.
- 1996** Harris Corporation, Melbourne, Florida. Senior Integration/Test Engineer responsible for final testing and sell off of satellite communications earth stations for the FAA ANICS program. Trained communications technicians and system test personnel. Involved with systems engineering and process improvements on a large scale program involving over 50 sites within the state of Alaska.
- 1993-1995** E3 Systems Integration, Anchorage, Alaska. An instrumentation and electronic controls contractor. Employed as Electronics Engineer responsible for the design and programming of electronic control systems, PLC system design, and programming of man-machine interface software. Oversaw construction and quality control of new control panels and systems and third party listing of existing panels to UL 508 standards.
- 1991-1992** Autogenesis, Inc., Anchorage, Alaska. A startup medical electronics firm. Employed as Electronics Engineer in Research and Development Department. Responsible for circuit design, prototyping and testing of an automated bone tissue regeneration device. Involved in final stages of product design, setup of manufacturing system, training of assembly workers and product qualification and testing. Responsible for analysis of field performance of a first-run product and the design and construction of a number of