



Name: GREGORY P. FLINN

Title: Automation Engineer

Education: Diploma, Masters in Business Administration
Diploma, BS in Electrical Engineering

Affiliations: Member, Institute of Electrical and Electronics Engineers
Member, International Society of Automation

Mr. Flinn has over 21 years of experience in Automation, Electrical and Instrumentation Engineering. A few highlights of his career are as follows:

- Engineering experience in diverse aspects of Automation, Electrical Power and Instrumentation Engineering
- Extensive background in instrumentation, automation, testing and maintenance.
- Experienced in specialty chemicals, highly hazardous chemicals, specialty metals and explosives.
- Analytical in developing creative and cost effective solutions to problems.
- Adept in developing written procedures, specifications and drawings.
- Experienced at equipment design, particularly high temperature pumps, flow meters, pressure transmitters, and other equipment.
- Experienced in the use of electromagnetic equipment, especially electromagnetic pumps and flow meters.
- Thorough knowledge of the National Electrical Code.

Relevant Professional experience includes:

- Skilled in selecting and specifying instrumentation and controls for hazardous areas.
 - Experienced in PLC controls with Allen-Bradley, Modicon, and GE.
 - Designed PLC control systems for Water, Wastewater, and Chemical Processing Systems
 - Experienced in DCS controls with Fisher Provox and Delta V.
 - Designed DCS controls systems for Hazardous Chemical production units.
 - Programming experience with C, Visual Basic, Embedded Visual Basic, Visual Basic for Applications, Basic, Fortran, Assembly.
 - Designed, programmed and implemented custom Bar Code tracking system.
 - Skilled in writing procedures, specifications, proposals, and contracts.
 - Project management and construction of large capital projects.
 - Troubleshooting field instrumentation and control loop problems.
 - Skilled in plant electrical distribution and maintenance.
 - Experience in the application of induction heating to piping systems.
 - Certified to conduct OSHA PSM and EPA Process Hazard Analysis
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- Experienced with highly hazardous materials including hydrogen, diborane, sodium, potassium, explosives, acids and caustics, and various other organic and in-organic chemicals.
- OSHA Process Safety Management, NEC codes, and NFPA standards.

Employment History:

Creative Engineers, Inc. Automation Engineer	2004 to Present
Callery Chemical Company (division of Mine Safety Appliances Co.) Automation Engineer	1997 to 2004
Alliant Techsystems (formerly Hercules, Inc.) Facilities Engineer, Test Engineer, Maintenance Engineer	1988 to 1997