

# GREGORY P. FLINN

## **STRENGTHS:**

- Extensive automation background
- Engineering experience in diverse aspects of Electrical and Instrumentation Engineering
- Extensive background in project management, automation, testing and maintenance.
- Experienced in specialty chemicals, highly hazardous chemicals, and explosives.
- Analytical in developing creative and cost effective solutions to problems.
- Adept in developing written procedures, specifications, and drawings.

## **WORK HISTORY:**

Creative Engineers, Inc. 2004 - Current  
Automation Engineer

BASF Corporation (formerly Callery Chemical Co.) 7 Years  
Automation Engineer

Alliant Techsystems (formerly Hercules, Inc) 8 Years  
Facilities Engineer, Test Engineer, Maintenance Engineer

## **AREAS OF EXPERTISE AND EXPERIENCE:**

- 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 experience with 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
- 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.

## **EDUCATION:**

Duquesne University, Pittsburgh, PA - 2002  
Masters of Business Administration

Grove City College, Grove City, PA – 1988  
Bachelors of Science Engineer

## **OTHER:**

Member IEEE and ISA