



Stanley C. Rogacki, P.E.

SUMMARY

President and COO of IDEAS Company,

- More than 29 years of Instrumentation & Controls, Automation, and Electrical Engineering experience:
- Extensive lead start-up experience in commissioning of chemical, pharmaceutical, and utility (power, water treatment, waste water) plants and systems, using analog, PLC, and DCS based control systems
- Development of interlocks and control systems for mechanical and processing equipment
- Specification and procurement of field instruments
- Design, testing, and validation of PLC-based control panels
- Experienced in design and startup of DCS and PLC based combustion control systems (CCS) and burner management systems (BMS)

Instrumentation

Supervision as lead I & C Engineer for large scale capital projects
Instrument specification and procurement
Control panel design, HAZOP Studies, and P&ID Symbolology
Development of Testing and Calibration procedures
Start-up and commissioning

Automation and Control Systems

Boiler Combustion Controls and Burner Management Systems (BMS)
Interlocking and Alarm Systems Design and Testing
Factory Acceptance Testing
Batch Control Systems
Validation and IQ/OQ for instrumentation and control systems
Procurement, Design, Implementation, and Commissioning of all types of digitally-based control systems, including:

- Bailey Controls INFI 90
- Allen-Bradley PLC
- Honeywell TDC 3000
- Moore Products Mycro 352 and 353 Series
- Rosemount EC300 SLC
- Honeywell IPC 620 PLC
- Square D/Modicon Quantum
- Emerson Process Controls Delta V
- GE Fanuc Genius I/O

Electrical Engineering

Raceway design
Intrinsically safe and explosion proof systems
Purging Systems, Motor Controls Design, and Heat Tracing Design

PROFESSIONAL EXPERIENCE

Company Location	Dates	<u>Title</u> Responsibilities
<i>IDEAS Company</i> Caldwell, NJ	1995-present	<u>President and COO</u> <ul style="list-style-type: none">• Implemented control system conversion of existing process, for a Baytown, TX client. Authored specification, lead vendor selection, prepared functional requirements, and performed factory acceptance test, commissioned plant.▪ Responsible for design, checkout, and performance testing of complete instrument, electrical, and automation scope for a process plant to destroy Hydrazine, for a Morristown, NJ client. Performed QA checks on completed MCC and control room buildings.▪ Prepared electrical and instrument construction package for a DCS vendor's boiler control system retrofit for a pharmaceutical company.▪ Directed and engineered the conversion of two relay based burner management systems to PLC based. Prepared installation.▪ Customer representative in HAZOP studies for multi-boiler, multi-fuel power house in Rahway, NJ.▪ Expert witness for a case involving a specifications and documentation for electric actuators.▪ Designed (4) Square D Quantum PLC cabinets with purging, UPS backup and remote I/O racks, for a major pharmaceutical company. Prepared HFAT documents for validation.▪ Designed (5) GE Fanuc Genius I/O systems for a major pharmaceutical company.▪ Designed (3) Emerson Process Delta V systems for a major pharmaceutical company.▪ Designed centralized UPS system for over 75 loads (PLCs and operator stations), for a manufacturing facility.
<i>BASF Corporation</i> Mount Olive, NJ	1987-1995	<u>Principal Instrument and Controls Engineer</u> <p>Specified instrumentation, prepared procurement documents, prepared construction packages for capital projects, including resin, automotive paint, and polystyrene facilities for North American operations. Integrated DCS systems and vendor packages.</p>

PROFESSIONAL EXPERIENCE, CONT.

<i>Inmont Corporation</i> Clifton, NJ	1987-1991	<u>Manager of Instrument Engineering</u> Supervised two instrument and controls engineers assigned to major capital grass-roots facilities and expansions for ink and coating division of BASF. Directed A/E design efforts to meet automation performance goals. Monitored schedule and deliverables.
<i>Hoffmann-La Roche, Inc.</i> Nutley, NJ	1985 – 1987	<u>Supervising Plant Instrument Engineer</u> Supervised 15 technician Instrument shop, implemented design changes to utility, production, and research facilities. Scheduled manpower loading and directed plant-wide shutdowns.
	1980 – 1985	<u>Senior Design Instrument Engineer</u> Designed instrumentation to meet process needs. Specified, procured, and commissioned control systems.

EDUCATION

Stevens Institute of Technology
Hoboken, New Jersey
Bachelor of Engineering with Honor

Iona College
New Rochelle, New York
MBA

PROFESSIONAL REGISTRATION

Registered Professional Engineer in the State of New Jersey
Nationally Registered ISA Level I Certified Control Systems Technician

PROFESSIONAL AFFILIATIONS

Instrument Society of America – Senior Member
Currently President
Past President (2X), Secretary, Treasurer, Education Chair, Society Delegate.
Currently Vice-President

Steven Alumni Association

Civil Air Patrol – 1st Lieutenant

North Caldwell Volunteer Fire Department – 1st Lieutenant

American Institute of Chemical Engineers – Member

**EDUCATION
EXPERIENCE**

Course Director for the following ISA-NJ Section programs:

- Boiler Controls
- Interlocking & Alarm Systems
- Flowmeters
- Batch Control
- Chemical Industry Instrumentation
- Sales Engineering

Instructor on the following Topics:

- Process Controller Tuning
- Boiler Controls
- Flowmeter Applications
- Control of Water & Wastewater Facilities
- Interpreting Engineering Documents
- Level Instrumentation
- Flow Instrumentation