



## 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

<b>Company Location</b>	<b>Dates</b>	<b><u>Title</u> Responsibilities</b>
<i>IDEAS Company</i> Caldwell, NJ	1995-present	<u>President and COO</u> <ul style="list-style-type: none"><li>• 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.</li><li>▪ 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.</li><li>▪ Prepared electrical and instrument construction package for a DCS vendor's boiler control system retrofit for a pharmaceutical company.</li><li>▪ Directed and engineered the conversion of two relay based burner management systems to PLC based. Prepared installation.</li><li>▪ Customer representative in HAZOP studies for multi-boiler, multi-fuel power house in Rahway, NJ.</li><li>▪ Expert witness for a case involving a specifications and documentation for electric actuators.</li><li>▪ 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.</li><li>▪ Designed (5) GE Fanuc Genius I/O systems for a major pharmaceutical company.</li><li>▪ Designed (3) Emerson Process Delta V systems for a major pharmaceutical company.</li><li>▪ Designed centralized UPS system for over 75 loads (PLCs and operator stations), for a manufacturing facility.</li></ul>
<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