



WALTER CROOKALL
4264 SPRAGUE AVE, HAMBURG, NY, 14075
(716) 440-6352 - WCrookall@aol.com

CONTROL SYSTEMS ENGINEER / MANAGER / TRAINING / TECHNICAL SUPPORT

Results-driven, experienced and well organized technical professional, with excellent oral and written communication skills, who applies hands-on experience with a solid educational background to create, design, manage, maintain and provide training for control and instrumentation systems.

Competencies Include:

- PLC, SCADA, HMI
- I & C
- CONTROL PANELS
- VFD & DC DRIVES
- COMBUSTION SYSTEMS
- CADD
- TRAINING
- MAINTENANCE
- MANAGEMENT
- SUPERVISION
- PNEUMATICS
- ELECTRONICS

Professional Achievements:

- Control system upgrade of PLC systems for the flue gas desulfurization of a power plant.
- Air separation plant control system design, commissioning, startup.
- R&D project to extract hydrogen gas from oil refinery off gases.
- Automation and upgrade of integrated instrumentation and control systems.
- Control systems design, construction, commissioning and startup of ozone water treatment facility.
- Design of advanced and complex control loops for specialty furnace to mass produce carbon fibers.
- Design, installation, startup and continued maintenance of several sour gas cleaning plants.
- Design engineering services and programming PLC and HMI control systems for air separation plants.
- Design and engineering services and programming PLC and HMI control systems for hydrogen plants.
- The design of chlorination system controls for zebra mussel abatement
- Preparation of drawings. (P&ID, control loop, wiring schematic, installation.
- Supervisory and administrative support for maintenance and operations personell.
- I & C maintenance support for thermal power generating facility. (eight 500 MW boiler/generator units)
- Training for instrumentation and controls, electronics, and PLC systems through the community college system.
- The electronic design of a custom controller to military specifications for a steam driven Turbo compressor as part of a frigate defense system for the Canadian Department of National Defense.
- Hands-on demand and preventive maintenance for instrumentation and control systems for blast furnaces, coke ovens, coke oven biproducts, oxygen plants, and steelmaking.

Employment History:

ATSI Engineering Inc. – Sr. Staff Engineer, I&C	2005 - 2009
Libra Design Services. – Sr. Control Systems Engineer	2003 - 2005
PENCON Services Inc. – Control Systems Engineer/Manager	1992 - 2003

Education:

Ryerson University, Toronto, Ontario
 Electrical Engineering Technology (Electronics)
St. Bonaventure University, (@ Hilbert College, Hamburg, NY)
 MBA (completion during 2010)

Volunteer:

Past member of Big Brothers, NYS Mentor, Shriner’s Oriental Band