Gerald Dornblaser

Project Manager / Engineer

Fairless Hills, PA - Email me on Indeed: indeed.com/r/Gerald-Dornblaser/e15e0523965c6675

Motivated project manager focused on executing the project on time and on budget. Team leader who leads by example and fosters a supportive environment. Energetic mechanical engineer with extensive electro-mechanical design experience. Strong product / project development background from concept to installation. Experience with a variety of PLC based controls. Experienced on-site commissioning engineer.
Willing to relocate: Anywhere
Authorized to work in the US for any employer

WORK EXPERIENCE

Project Manager / Engineer

DENORA WATER TECHNOLOGIES - Colmar, PA - 2012 to 2016

• Successfully executed the construction of large emergency scrubbers for chlorine or sulfur dioxide abatement. Projects were completed on time with an average 4% increase in contribution margin.
• Produced high margin packaged vent scrubber systems for unique industrial applications.
• Sized and designed a line of jet pumps for industrial applications such as steam driven thermo-compressors, inert gas flotation exhausters, solids and liquid jet eductors.
• Managed the construction of conventional and microwave UV disinfection systems ahead of schedule and meeting customer expectations.

Senior Development / Project Engineer MicroDynamics

SEVERN TRENT WATER PURIFICATION - Colmar, PA - 2007 to 2012

• Created portable pilot systems for demonstration at waste water treatment plants.
• Developed a line of PLC based system controllers which adjust automatically based on demand.
• Built a prototype open channel module with a patented lamp temperature control system.
• Validated UV open channel and closed chamber system performance.

Senior Development / Project Engineer

SEVERN TRENT WATER PURIFICATION - Colmar, PA - 2005 to 2007

• Created an automatic wipe, open channel UV module for use in waste water disinfection.
• Produced a closed chamber automatic wiping system using PLC controls and a multiple chamber supervision system.
• Commissioned and troubleshot with vendor partner large, medium pressure UV reactors.

Manager / Engineer Systems Integration

SEVERN TRENT WATER PURIFICATION - Colmar, PA - 2002 to 2005

• Led five project engineers processing custom projects ranging from $50 K to $2 MM, ensuring compliance to project specifications.
• Designed a custom polymer preparation system with PLC based controls.
• Served as primary interface with a partner medium pressure UV system manufacturer.
• Played key role in the performance validation of several UV systems.

EDUCATION

Bachelor of Science in Mechanical Engineering

Drexel University - Philadelphia, PA

SKILLS

Experienced design-build project manager / engineer., Able to transform an idea into reality., Can provide solutions to the toughest problems., Excellent written and verbal communication skills., Dynamic team leader., Experienced UL compliant control panel designer., Proficient with Auto-CAD design software., Conversant with many PLC software platforms., Excellent technical trouble shooter., Extensive field installation & commissioning experience.

PATENTS

Apparatus and Method for Injecting Cryogenic Liquid into Containers (#6,363,729)

http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&p=1&u=%2Fnetahtml%2FPTO%2Fsearch-bool.html&r=1&f=G&l=50&co1=AND&d=PTXT&s1=%22apparatus+method+injecting+cryogenic+liquid%22.TI.&OS=TTL/

April 2002

A compact device for injecting cryogenic liquid into containers is capable of use with containers of varying sizes. A vessel containing the cryogenic liquid is connected to a nozzle by a thermally-insulated, flexible hose. The nozzle is connected to an arm which is mounted to a support, such that the arm can move in different directions relative to the support. The nozzle can thus be moved with three degrees of freedom, and can be easily positioned over a container to be filled. The apparatus also includes conduits for conveying excess gas from the vessel into a process controller housing, to keep moisture out of that housing. The nozzle includes ports which receive gas formed by vaporizing cryogenic liquid from a supply. Gas flowing into these ports can be used to control the formation of droplets. When heated, such gas can also be used to prevent ice formation in the nozzle, or to remove ice that has already formed. The device of the present invention will work easily with nozzles or nozzle orifices of varying sizes, and can be installed in relatively cramped surroundings.

Method and system for achieving optimal UV water disinfection (#8,269,190)

http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&p=1&u=%2Fnetahtml%2FPTO%2Fsearch-bool.html&r=7&f=G&l=50&co1=AND&d=PTXT&s1=severn.ASNM.&OS=AN/severn&RS=AN/severn

September 2012

Methods and systems are provided for enhancing the ultraviolet output of a water disinfection apparatus by: (i) maintaining the source of the UV radiation at a stable operating temperature and, (ii) facilitating an efficient transfer of microwave energy to the source of the UV radiation.

ADDITIONAL INFORMATION

Additional Relevant Experience

Manager and Principle Engineer
MG INDUSTRIES - Malvern, PA

- Established an equipment development and manufacturing facility.
- Supervised three technicians and materials manager.
- Produced equipment to support new applications for gas usage.

• Developed patented PLC based liquid nitrogen injector for pressurizing beverage containers.

Senior Project Manager
THE BOC GROUP - Murray Hill, NJ

• Successfully completed the construction of a $32 MM specialty gas purification facility with a five member engineering team.
• Ensured project was executed on time and on budget.
• Managed the fabrication, installation and commissioning of facility process equipment.

Project Manager
THE BOC GROUP - Murray Hill, NJ

• Successfully executed two design-build specialty gas system in Dallas, TX as a lead engineer.
• Completed $10.9 MM and $18 MM projects on time and 2% under budget.
• Assembled a team of two sub-contractors and three on-site personnel.
Senior Engineer
THE BOC GROUP (formerly BOC GASES USA) - Murray Hill, NJ
• Developed specialty gas bulk supply systems and customer proposals for turn-key installations.

Senior Manufacturing Engineer
WOODLAND CRYOGENICS CO. - Philadelphia, PA

• Designed and installed prefabricated automatic palatalized cylinder filling systems.

Installation / Maintenance Manager
PRAXAIR INC. (formerly UNION CARBIDE, LINDE DIVISION) - Jackson, NJ

• Managed the installation / maintenance of bulk gas supply systems with five technicians.