

Joseph P. Smetona, Jr.

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Core Competencies:

Experienced design engineering / CAD professional in the Nuclear (PWR/BWR) and Fossil Power, Substation, High Voltage Distribution, Pharmaceutical and Chemical Industries. Able to provide consistent support for turnkey projects facilitating their completion under budget and ahead of schedule.

Proficient in Revit MEP (BIM) Intergraph Wireworks & Schematics, Bentley SelectServer, MicroStation SE, J & V8, I-RAS/B, PlantSpace P&ID, Autocad, IBM Cadam, Proficient in DOS, Microsoft Excel, Windows XP, HTML, Extended Basic, C++ and major Linux operating systems. (over 10 years of experience using Linux).

While at Bentley Systems, responsible for support of SelectServer, PlantSpace P&ID, MicroStation Schematics, Electrical Elementary Diagrams (Opti-SE), Logos L/Iso, PlantSpace Instrumentation, MicroStation SE, J and J 7.1 programs.

Completed various company sponsored courses in Instrumentation, Controls, Electrical, CAD Systems, Programming, Elementary Diagrams, Loop Diagrams and One-Line Diagrams. Scored 100 on Net-G certification test for Windows NT.

Work Experience:

SNC-Lavalin, Inc., Exton, PA

Electrical Designer, Power Division (7/9/12-10/12/12, Contract through Synerfac) – Currently Available

Electrical Design utilizing Autodesk Revit 12 (BIM), Autocad and Autocad MEP. Experience includes circuiting specialized electrical equipment, lighting calculations and design, security and fire protection design. Also included one-line diagram and detail creation using Autocad 13. Accelerated schedules required substantial overtime including weekends.

Current projects at SNC-Lavalin:

ArcelorMittal, Girder Crane CR306, Coatsville, PA; BD, Becton Dickinson Diagnostics, 39 Loveton Expansion, Sparks, MD; Omnicare, Inc., Re-Packaging Facility, Glasgow, KY; Mars Drinks Campus, West Chester, PA

URS Inc., Princeton NJ

Lead Electrical Designer, Power Division (11/07-5/10)

PSEG Hudson Generating Station – Unit 2 Back-End Technology Project (7/09 – 5/10)

Responsible for the creation of new CAD drawings and conversion of various vendor drawings to PSEG standards. Provided Cable Block and Schematic Diagrams using Intergraph Wireworks Software along with MicroStation SE, J and V8.

Detroit Edison FGD Project, Monroe Power Plant Unit 3 & 4 (11/07 -6/09)

Responsible for various tasks within the electrical group including the creation of new CAD drawing and conversion of various vendor drawings to DECO standards.

RCM Technologies Inc., Pennsauken, NJ

Electrical Designer (4/05 – 11/07)

Responsible for technical support of Bentley software programs including MicroStation, repair and maintenance of computer hardware, network connections, and resolution of general computer and software problems. Provided design and CADD support (including Structural Drawings) for fossil fuel power plant projects. PECO Project (4/2005) – Peach Bottom, Limerick station As-Built Effort.

Wisconsin Energies (5/2005-8/2005) – Holland Sub-Station

Wisconsin Energies Substations (8/2005-11/2006) – Bass Lake SS, Armory SS, Big-Q SS, Twin Falls SS, Hales Corner SS, Pleasant Prairie SS, Valley Power Plant SS, Pike Lake SS, Julius SS

New York Power Authority (NYPA) (11/2006-4/2007) – 138kV Tie Line Project

Consolidated Edison – Manhattan Vault Upgrades (4/2007-11/2007)

Responsible for installing and upgrading new services to Manhattan commercial customers. Included enlarging existing vault structures, bus compartments, service boxes and associated cables for distribution and transmission lines. The work involved creating new drawings for conduit and cable installation using existing raster images and utility supplied survey, water, sewage, telephone, and gas plates.

Bentley Systems Inc., Exton, PA

Technical Analyst (8/99 – 3/04)

Closed over 4000 technical support requests. Achieved 91.7 % average (all questions) on over 600 Customer Surveys sent to customers by the Bentley Technical Support Vice President.

Fluor Daniel Inc., Marlton, NJ

Instrument and Control Designer II (3/93 – 6/99)

Kodak Project 5, 6 & 7, Eastman Kodak Company, Xiamen City, Fujian Province, China (2/97 - 6/99)

Responsible for the physical PLC control cabinet arrangements for melt and delivery systems 1 through 11, chemical delivery, building services, dye/hardener, MPL wash, coater mixing and process lighting systems using the Autocad CAD software. Provided drawings and sketches of power distribution, network system architecture, interconnect and I/O terminal blocks for client issue and also to the panel fabrication vendor.

Vitamin C Expansion Project, Hoffmann-LaRoche Inc., Belvidere, NJ (1996 - 1997)

Responsibilities included physical walk downs of the main control room operator and scheme timer panels, junction boxes, tanks, valves and motors. Supplied Arrangement, Equipment Layout, Schematic, Wiring and DCS information for final drawing production. Identified discrepancies between Roche plant drawings and actual plant conditions with respect to equipment, wiring, valves, instrumentation and piping. Provided a DCS cut-over report to client to be used to describe the terminal block jumpers required to sequentially convert the 14 existing rearrangement reactors, chloroform wash and acid/alcohol systems from manual (relay and tenor drum) control to the Honeywell TDC-3000 system.

Stone & Webster Engineering Corporation, Cherry Hill, NJ

Instrument and Control Designer

10/1977 – 3/1993 (edited, refer to Smetona2.doc for additional projects and skills)

Salem Unit 2, Public Service Electric & Gas Co., (1992)

Assigned to the Salem Unit 2 Turbine Repowering Project (at the site). Responsible for rearrangement of existing turbine monitoring gauges and associated valves and tubing. Also responsible for the addition of drain pressure gauge and associated hardware. Provided the redesign of turbine testing apparatus. Received VA (Vital Area) site access badge at this time allowing unescorted access to the Unit 1 and Unit 2 Control room and Reactor Building.

Awards:

Fluor Excellence Award - Sun Company Zeta Project

Fluor VIP Award - Vitamin C Expansion Project, Hoffmann LaRoche

Education:

1976-1981 (Day/Evening) - Drexel University, Philadelphia, PA

EE major, Courses in Engineering, Calculus, Chemistry, Physics and Psychology

Technical Publications: (Bentley Systems, Inc.)

Computer Hardware Protection and Maintenance Guide

Analyzing Program Usage Data with the SELECTserver License Manager

PlantSpace P&ID Engineering Overview