

SUSAN M. HORTEN

Project Manager III

PROFILE

Results-oriented electrical engineer with over 15 years experience in design engineering, project management, power plant maintenance and computer training. Proven ability to handle multiple projects and accomplish project goals within budget and schedule. Excellent “people skills” combined with technical knowledge and “hands-on” experience. Team oriented, self-motivated, organized and communicates well with all levels. Broad based, accomplished computer knowledge and skills. Additional skills as an educator and tax specialist.

EDUCATION

Bachelor of Science Degree - Electrical Engineering Technology, University of Pittsburgh, Johnstown, PA
Teacher Certification Program - Mathematics, St. Francis University, Loretto, PA, 2002
H & R Block Tax Course

CERTIFICATIONS/TRAININGS/AFFILIATIONS

PA State Certified Mathematics 7-12 5/2003
PA Emergency Substitute Teacher Certification
Act 34 Clearance/Act 151 Clearance
Kappa Mu Epsilon – National Mathematics Honor Society
Wonderware, InTouch Foundations
Dale Carnegie Leadership Development Series (12 weeks)
Financial Leadership, Penn State Executive Program
AutoSketch/AutoCAD Lt, Lotus Notes
MS Word, Advanced MS Word
MS Excel, Advanced MS Excel
MS Access, Advanced MS Access
MS PowerPoint
Lotus 123, Lotus 123 Macro programming, Lotus 123 Graphics and Database
Honeywell S9000 Programming, Implementation and Service
1996 National Electric Code, Center for Professional Advancement
Contract Claims and Litigation Avoidance, The Condor Group Seminars
Numerous GPU sponsored Supervisory and Management Development Courses

AWARDS

Dean's List – University of Pittsburgh, Johnstown, PA
National Merit Scholarship – University of Pittsburgh, Johnstown, PA
Academic Honors – St. Francis University, Loretto, PA

PROFESSIONAL EXPERIENCE

Project Manager, Electrical Engineer (May 2007-Present)
Cambria Consultants, Inc., Johnstown, PA 15904

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- Responsible for the project management and/or electrical engineering of various types of projects in industry, including power plants.
 - Providing direction to other electrical engineers in the Company.

Substitute Teacher, Math Tutor (August 2006-May 2007)

Westmont Hilltop School District, Johnstown, PA 15905

Teacher (August 2004-August 2006)

Central Cambria High School, Ebensburg, PA 15942

- Taught Math I, Algebra I, Algebra II, Geometry, College Prep Math (trigonometry/pre-calculus), Graphing Calculators, SAT Prep.

Substitute Teacher (2000-2003)

Cambria County School Districts

- Central Cambria, Conemaugh Valley, Ferndale, Forest Hills, Greater Johnstown, Richland, IU8
- Responsible for the daily activities of the classroom teacher, including teaching the planned lesson, homeroom duties, cafeteria and hall monitoring.

Internship – Mathematics (August 2002-December 2002)

Central Cambria High School, Ebensburg, PA 15942

- Taught Geometry, Calculus, College Calculus, and Computer Technology and the Web. Since the classes encompassed a wide variety of students, I used a variety of teaching strategies and media in my lesson plans to actively engage and involve students, including lecture, cooperative learning groups, questioning strategies, videotapes, calculators and the Internet.

Tax Specialist (1999-2001)

H&R Block, Johnstown

- Responsible for interviewing and completing clients' Federal, State and Local Income Tax Returns to allow the greatest refunds to the customer.

Engineer Sr. 1 (1995-1999)

GPU/Generation Corporation (formerly Penelec), Johnstown, PA

Conemaugh Generating Station, New Florence, PA

- Responsible for electrical and control projects at Conemaugh Station from conceptual engineering through commissioning of project for service. Consistently on or ahead of schedule and under budget.
- Area leader of Electrical Equipment at Conemaugh Station. Responsible for budgeting, forecasts for 1, 5 and 10-year budget plans, evaluating, planning and scheduling projects for current and future years, day-to-day awareness of maintenance performed on electrical equipment. Prepared outage work scope and coordinated outage activities.
- Worked with Bargaining Personnel on a daily basis to solve day-to-day maintenance concerns.
- Computer and HMI (human machine interface) development and training of station personnel, and assisted with the formation of operating procedures for Operations Personnel.
- Maintained and revised databases, drawings, and instrument calibration sheets for the Electrical and Instrument Maintenance Personnel.

Engineer Sr. 1 (1994-1995)

GPU/Generation Corporation (formerly Penelec), Johnstown, PA

Generation Project Engineering, Johnstown, PA

- Provided or directed development of reliable and cost effective conceptual engineering recommendations.

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- Obtained authorization of funding for assigned projects. Reported and maintained expenditures within budgeted forecasts. Provided or directed the complete development of equipment specifications, bills of materials, construction specifications and installation drawings. Prepared and reviewed purchase requisitions, and proposals for procurement of equipment. Provided planning, coordination, administration and field technical direction for projects. Executed all aspects of startup and testing of systems, training of Plant Operations and Maintenance Personnel. Provided as-built drawings, system descriptions, maintenance manuals and spare parts lists.

Engineer Sr. 1, Engineer III, Engineer II, Engineer I (1984-1994)

GPU/Generation Corporation (formerly Penelec), Johnstown, PA

Generation Design Engineering, Johnstown, PA

- Responsible for the in-house and contracted design of new and retrofit plant electrical and control systems at all GPU owned and operated generating stations. As more experience was gained, progressed from a support engineer to a lead engineer and was responsible for more technically challenging projects with larger budgets.

Electrical Engineer

L. Robert Kimball and Associates, Ebensburg, PA (1983-1984)

- Responsible for the design of electrical and control systems for commercial, institutional and industrial buildings consisting of lighting systems, power distribution systems, HVAC Systems, communications systems, security systems, motors and their control systems and life/safety systems.

CAMBRIA CONSULTANTS PROJECT EXPERIENCES

Designed and prepared construction packages for numerous power plant upgrade projects at Seward, Shawville, Keystone & Cheswick Electric Generating stations owned by GenOn Energy. Provided guidance during installation and startup assistance. A partial project list follows below:

Shawville:

- Precipitator Controls Units 1, 2, 3&4 Drawings
- U1 Sootblower Controls Replacement

Seward:

- UCC Ash Panel Modifications
- Entrance Guardhouse Building and Booth
- Outfall 012 Discharge Modifications
- Water Lab Instrumentation Addition
- Simulator Room Addition
- Scrubber Valves Replacement
- Boiler Valves Limitorque Replacement
- Boiler Feed Pumps Vibration Monitoring Equipment
- Baghouse Broken Bag Detectors
- Combustion Air Damper Replacement
- NERC Generator Disturbance Monitoring

Keystone:

- Aux Condensers Cathodic Protection
- Rail Car Dumper Controls
- Tagging Room Addition
- Steam Drain Valves Replacement
- Sulzer Valve Junction Box Relocation

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- Rail Car RF Readers
 - Off Board Hydraulic Car Dumper Controls
 - Bleach Tank Monitoring
 - HP and LP Hydrogen Dryer Replacements
 - FGD Limestone Rail Car RF Readers
 - Service Building, Building 1, and Water Lab HVAC Replacement
 - NERC Generator Disturbance Monitoring- Oscillograph installation

Cheswick:

- Water Lab Sample Panel Replacement

SELECTED ACCOMPLISHMENTS

- Responsible for all Year 2000 efforts at Conemaugh Station, resulting in the station doubling the bonus award percentage for the Year 2000 Compliance goal and completing all mission critical upgrades by the Pa. Public Utility Commission (PaPUC) deadline and three months before the Department of Energy deadline.
- Assumed ownership of a graphical interface control system. Attended training classes on the system, revised and improved upon the system, maintained databases and graphics, and trained station personnel in the operation and troubleshooting of the system.
- Teamed with the Electrical Maintenance Supervisor to reduce maintenance budget by 30% over two years.
- Streamlined the process for construction of in-house station projects, resulting in faster installation of projects by station personnel, with complete documentation, training and understanding of the system.
- Automated control systems by replacing manual controls with state-of-the-art human-machine interfaces (HMI) and programmable logic controls (PLC), which required fewer personnel to operate.
- Completed a controls upgrade project 50% under budget by engineering the project in-house and using station maintenance personnel for construction.