

Stephen Partridge

Wilmington, DE - Email me on Indeed: [indeed.com/r/Stephen-Partridge/22ec6cc9e6c332ce](https://www.indeed.com/r/Stephen-Partridge/22ec6cc9e6c332ce)

WORK EXPERIENCE

Electrical Project Engineer, Manager

SARGENT & LUNDY LLC - 2008 to Present

Electrical Project Engineer, Manager

CHEMTEX INTERNATIONAL INC - 2006 to 2008

Electrical Project Engineer

JACOBS ENGINEERING - 2002 to 2006

Electrical Project Engineer

SARGENT & LUNDY LLC - 1999 to 2002

Electrical Engineer

DAY & ZIMMERMANN INTERNATIONAL INC - 1997 to 1999

Electrical Engineer

RAYTHEON ENGINEERS & CONSTRUCTORS - 1989 to 1997

Communication-Electronics Staff Officer

U.S. ARMY RESERVE - 1987 to 1992

SELECTED EXPERIENCE with SARGENT & LUNDY LLC

Procurement Threat Team Member, Oconee Generating Station, provided Procurement Specification Reviews and performed Technical Bid tab Analysis for approximately 30 Purchase Orders.

Program Manager, Oconee Generating Station provided Technical and Administrative management for 13.8KV Power Feeders for the SSF (Safe Shutdown System) and PSW (Protective Water System).

SELECTED EXPERIENCE with CHEMTEX INTERNATIONAL INC.

Electrical Engineering Manager- Managed Electrical staffing needs for the North East Office. Provided Engineering and Design Cost Estimates as well Input Data for Total Installed Cost Estimates. Worked with Human Resources as well as third Party Employment Agencies to acquire Engineering and Design talent for the company. In addition, performed Electrical Project work for several Clients

Delta T Project- Madrid Ethanol Plant

Project Engineer - overall responsibility for managing the electrical engineering/design for a 44 MGY Ethanol Plant.

SELECTED EXPERIENCE with JACOBS ENGINEERING

Rohm & Haas- Bristol Plant

Performed an Electrical Site Survey of the 33KV and 4.16KV distribution systems.

Submitted a report detailing required/suggested maintenance and system modifications in order to increase the overall system reliability, safety, and efficiency.

Valero Refining, Clean Fuels, Scrubber and Main Substation Projects
Paulsboro, New Jersey. 69KV Substation Coordinator - Responsible for coordinating engineering activities between the Woodbury and Baton Rouge offices. Acted as a liaison for the client for coordination with the Utility, Conectiv Power, for the installation of a 69KV Transmission Line and installation of two(2) lineups of General Electric 15KV Switchgear. Provided construction support responding to RFI's and Field Change Notices, and ensuring QA of the installation.

SELECTED EXPERIENCE with SARGENT & LUNDY LLC
NYPA - In-City Generation Project (11 General Electric LM6000 CT's at 7 sites)

Project Engineer - overall responsibility for managing the electrical engineering/design with a total installed project cost of \$750,000,000 for 7 Power Plants and Substation interface in the city of New York within a 9 month timeframe.

Conectiv - Beckett Substation Upgrade Project
Project Engineer - Installation of 37MVA transformer and 12 KV Switchgear in an existing substation. Responsible for conceptual engineering of required wiring and physical changes including schedule and cost estimate.

Conectiv - Landis Substation Upgrade Project
Project Engineer - Installation of 12KV breaker and relaying in an existing substation. Responsible for conceptual engineering of required wiring and physical changes including schedule and cost estimate.

Conectiv - Wenonah Substation
Project Engineer - Removal of existing 4KV bus and breakers and relocation of station service transformer. Responsible for conceptual engineering of required wiring and physical changes including schedule and cost estimate.

ANP- Blackstone (475 MW Combined Cycle Plant - (2) ABB KA-24 Gas/Steam Turbines)

Project Engineer- overall responsibility for budget, schedule, engineering, design, staff, drawing production, and construction coordination for Balance of Plant (BOP) systems. The BOP consisted of the Fuel Gas, Water treatment, Fire Detection, Ammonia Storage, Communications, HVAC, Raw/Demin. Water, Heat Tracing, Cathodic Protection, and Building Services. Deliverables included specifications/drawings for Station Grounding, Underground Conduit, Cable Tray, Lighting, and Power Distribution Equipment

PECO ENERGY - LIMMERICK GENERATING STATION
Responsibilities included as-building calculations for the 120 VDC and 125 VDC systems.

PECO ENERGY - PEACH BOTTOM ATOMIC POWER STATION

Responsibilities included preparation for the "Circ. Travelling Screens" MPC ECR.

NIAGARA MOHAWK - NINE MILE UNIT 1

Responsibilities included engineering and documentation preparation for the "125 VDC Battery 14 Replacement" MOD.

SELECTED EXPERIENCE with SHARP DESIGN INC. MERCK INC. - Pharmaceutical Manufacturing Facility

Responsibilities included retrofit projects of existing 480 V power distribution systems to support the manufacturing process.

SELECTED EXPERIENCE with DAY & ZIMMERMANN INTERNATIONAL INC.
DUPONT SEAFORD POWERHOUSE PROJECT - 30 MW Power Plant within a Nylon Manufacturing Facility -
Responsibilities included modifications to control circuits for MV BKR's due to upgrades within Delmarva Power Substation. Modified "Auto-Load Segregation System" controls as well as synchronization and metering circuits.

SELECTED EXPERIENCE with RAYTHEON ENGINEERS & CONSTRUCTORS NEW YORK POWER AUTHORITY, INDIAN POINT 3 - Nuclear Generating Station

Responsible for the research and composition of the DBD (Design Basis Document) for the "Emergency Power Distribution System". The DBD included the 120 VAC UPS, the 125 VDC Batteries and Chargers, and the Diesel Generators.

SHELL CHEMICAL, BELPRE PLANT - Resin plant
Responsibilities included Hazardous Area Classification study/design, Electrical Equipment and Construction Cost Estimates, Bid Tab Analysis for the 2.4KV Switchgear and 480VAC Motor Control Center, power distribution and physical design of the Cooling Tower and its Power Distribution Center.

ORLANDO UTILITIES COMMISSION - TAFT (230KV) Substation Upgrade

Responsible for Civil/Electrical design coordination, reviewing vendor Protective Relay Panel drawings, grounding analysis/design, underground electrical design, control building raceway design, and AC/DC distribution design.

NEVADA COGENERATION ASSOCIATES - Black Mountain Power Plant (100MW)
Resident Field Engineer responsible for engineering support to the Construction Site Manager. Responsibilities included Construction Scheduling, technical supervision, and start-up of the Export Gas System installation at PAPCO Gypsum plant.

COLORADO PUBLIC SERVICE - Substation SCADA System upgrade.

Provided detailed design drawings and necessary circuit modifications to replace the SCADA systems in eight existing substations.

EXXON CORPORATION - MOBILE BAY Sour Gas Plant
DCS Coordinator-responsible for coordination of field and internal wiring DCS I/O. Performed electrical inspection of DCS panels.

AIR PRODUCTS & CHEMICALS INC. - Cambria Power Plant (100 MW COGEN)

Responsibilities included design of instrumentation and control wiring to Bailey DCS, creating and updating instrumentation, electrical, and mechanical equipment database files, 480 V power distribution design, execution of Short Circuit and Voltage Regulation Studies, calculation of power system ground fault current, design of plant grounding system.

Assigned to the position of Field Engineer during the construction phase of the project. Responsible for providing Engineering support to the APCI Construction Manager. Provided system review, revision, and as-built drawings for the Boiler, Coal Handling, Ash Handling, Vibration Monitoring, and Bailey DCS systems. Responsible for providing timely and accurate responses to Electrical Contractors' RFI's (Request For Information).

ADDITIONAL EXPERIENCE

U.S. ARMY RESERVE

550th Military Intelligence Battalion (CEWI)

1st Lieutenant - (Communications Electronic Staff Officer),

Responsibilities included the overall supervision, installation and integration of the battalions' Communication assets in coordination with other supported/supporting units.

2nd Lieutenant - (Communications Platoon Leader), Responsibilities included supervision and training of 40 soldiers in the Electronic Maintenance Section, Radio-Teletype Section, and the Telecommunications Section in the installation, operation and maintenance of the Battalion Intelligence Net communications.

Security Clearance: expired Top Secret SBI, with Caveats

EDUCATION

DREXEL UNIVERSITY

1999

BS in Electrical Engineering

Widener University - Chester, PA

1988

ADDITIONAL INFORMATION

QUALIFICATIONS

Program Manager, Project responsibilities include preparing proposals and project budget estimates, managing the project team, identifying the project scope of work, developing the detailed project work plan, ensuring man-hour estimates are consistent with the work scope, establishing a detailed project schedule. Responsibilities also include ensuring all necessary technical inputs are available to perform the design; monitoring the technical and quality performance, making all necessary day-to-day decisions required to accomplish the task, evaluating/processing all budget and scope changes, providing project summary reports to the client, performing field walk downs and providing site support during modification construction.

Project responsibilities also include providing a technical engineering review of all electrical deliverables.