

David Smith

Project Engineer at Robinson Community Builders Inc

Philadelphia, PA - Email me on Indeed: [indeed.com/r/David-Smith/34d6637d7b2b8c99](https://www.indeed.com/r/David-Smith/34d6637d7b2b8c99)

WORK EXPERIENCE

Project Engineer

Robinson Community Builders Inc - Philadelphia, PA - May 2005 to Present

19132

Working as contracts Project Electrical Engineer for Robinson Community Builders Inc. Engineering Consultants, Projects Electrical Engineer on Cecil Co. Mental Health Facilities power, lighting, Fire detection and Control systems. Designed customer owned substation 34.5 KV substation complete from land acquisition to station layout, grounding, equipment pads, specification of equipment, purchasing construction and installation.

Working as a Project Engineer Bidding Contracts From local City Government and private market. Established Community Based Nonprofit organization to provide Job training & Placement opportunities for under privileged persons. Providing education and training in Carpentry, Plumbing Electrical, Masonry etc. Then Provided hands on training to those same persons by acquiring local construction contracts to provide professional services, Drawing, Engineering, Estimating Take offs, Site Visits, Customer Relations, Permits, Zoning, Scheduling, Project Compliance State/Local Codes. Worked as a Proposal Writer funding Non-Profit Programs, Low to Moderate Family Housing Projects. Empowerment - Hub Zone Program Grants low Income Community Based Housing and Commercial Construction Services. Project sizes ranged from Residential \$140k Renovations to \$4.7 Million Multi-Dwellings - New Construction Range \$210K Residential - 4.5 Million Commercial there are at times 12-20 Projects operating Simultaneously. I also Estimate, Bid and Manage Demolition Projects \$220k- \$700.00k Residential.

Electrical Engineer

Dynamic Science Test Inc - Dallastown, PA - July 1999 to April 2005

Responsible for Electrical Designs in conjunction with Mobil Shelter Systems construction & Operation. Worked on Government Contracts Restoring WW2 Rapid deployment systems. New design & upgrades to Electrical Power, Lighting and Control Systems Design and Wiring. Testing, Trouble Shooting, Worked as Project Electrical Engineer on Government and Contractor Engineering Programs to determine scope of Work, Cost Estimating, Bid Selection. After acquisition of the contract, managed project startup scheduling, budget tracking, and Equipment Materials acquisition. Projects consist of surveillance vehicle design and construction to utilize quick conversions hook up to mobile microwave satellite devices.

Responsible for the Electrical Engineering operation and Maintenance of all Electro Mechanical facility equipment. Also Project Manager of military programs Rapid Deployment parachute design drier Re-engineering & Construction. Projects Ranged in Scope from \$4 Million - \$140 million, Design, Engineering Construction & Start up Testing and Management.

Substation Engineer

Baltimore Gas & Electric Co - Baltimore, MD - March 1996 to June 1999

21213

Responsible For 34.5 KV. - 500 KV Substation Design, Double Ended Station Layout, Site Development/ Equipment Pads, Equipment Specification & Selection, Transformers, Switch /Gear, PT's-CT's, Metering, S.C.A.D.A Controls-Relaying, Circuit Switchers, Arrestors, ETC. Responsible for coordinating Substation Transmission line Entering & Exiting the Station Layouts, Switch Gear Line intercepts, Arial Photography for line layout planning. Civil Engineering Coordination for Tower Locations Planning, Zoning, Permits Planning, Subcontractors Contract Writing etc. Managed, Monument St. Double Ended Station, Perryman, White Marsh, and other station Design projects, Projects ranging in scope for Six-Eighteen Million Dollars per station Retrofits and New Station design Range \$15M-\$236 Million Dollars Project Budgets.

Land acquisition, right of ways permits/Zoning environmental, Legal, Engineering, Construction test, start up of all Substation Program issues/Concerns. Used Primavera Project Planner/Scheduler and Means Estimating tech tools. Transmission Projects 10335 kmil. Transmission Line Distribution Systems, local over head main feeder distribution. Worked Northern Ring Program as project Substation Engineering design, Estimator Coordinator, Planning all new 230 KV - 500 KV upgrades around the state of MD. Coordination of all Substation feeder entry at 500 KV new, Substation upgrades, Capacitor Racks, Switch Gear, Control Center Upgrade, Tie Breakers, Arrestors, Grounding systems, Etc. Worked as The firm Liaison on NFPA-30 (Under Ground Fuel Storage) & PCB Hazardous Waste removal/Disposal.

Wetlands Environmental Advisor

Electrical Engineer

N.A.S.A Northrop Services Inc - Greenbelt, MD - March 1986 to May 1996

Goddard Space Fight Center

Worked With Space Simulation and Support Team in Vacuum Technology Electrical Design. Design of Electrical Vacuum Systems Controls, Cables, Power & Lighting.

Worked to support of (7) Mechanical Engineers with Electrical Engineering designs, Specifications & Installations on N.A.S.A Space Programs and Support Programs.

Worked On C.O.B.E Project 250 Million Dollar Project Budget Design Engineering, Fabrication Testing-Start Up. COBE Space Craft design to confirm Big Bang through Collection of Cosmic Dust Via Robotic Armatures while orbiting in the cold region of space. Worked as Lead Engineer on FIRAS- Infrared Scanning Systems. \$400 million Program Budget, Electrical Budget \$110 Million Electrical Design, Test, Fabrication

Worked on DIRBE, All Electrical design were to be test in Vacuum Systems for Ultra Low Temperatures 2 Degree K. Electrical Design of Library of Congress Book Preservation Program. 2.3 Million to Experiment with Chemical Di ethyl Zinc to be used under Vacuum to Restore the life of Paper Product(Books). Project Electrical Planning, Design, Control of Vacuum operations, Pumps, motors, Control Cables design fabrication With Test, Operation Maintenance Procedural Manual created as a result of this experimental Process. Di ethyl Zinc Book Preservation Project. FIRAS-DIRBE electrical control design. Supported all Building Systems Electrical Design. Special Projects Design. Classified Document Clearance.

Worked on Space Station Satellite Recovery Program to Design Robotic Armature to perform in Flight Repair.

Design of Electrical control system including Control Cables

Power, Bay Lighting design, Fabrication installation & Start up

Worked as substation design and construction Engineer 34.5-230kv substation One Line Diagrams Control Drawings - Relaying Trip time set - bus protection and Control center specifications, Scheduling planning switch gear lighting protection transformer specs.etc/

EDUCATION

Master in Engineering Management (Incomplete)

Drexel University - Philadelphia, PA

January 1986 to January 1988

BSEE in Electrical Engineering Power Distribution/Controls

Capitol Institute of Technology - Kensington, MD

January 1979 to January 1983

SKILLS

Studied Advanced Electrical Engineering design through Mathematics physics and science

MILITARY SERVICE

Service Country: US

Branch: US Coast Guard

Rank: O-1 Ensign

March 1983 to March 1984

CERTIFICATIONS

NFPA-30 Under ground fuel storage

Design and Compliance Verification under ground fuel storage tanks Testing Cathodic protection

Mil-std 705b 6081a

Generator test Certification - Railroad impact- over voltage-over frequency-Vibrations-Humidity

ADDITIONAL INFORMATION

Job Qualifications:

- Four Year Electrical Engineering, BSEE. Capitol Institute of Technology 1983 Power-Control systems. Drexel University Engineering 1986 incomplete Masters Engineering Management.

- Twelve Yrs, Experience Design, Management & Estimating Projects Federal Aviations Administration Substation Engineer. Double ended customer owned stations, Tie breaker-transfer switching, control center, metering, grounding systems etc. Eugene Hidalgo Supervisor

- Baltimore gas & Electric Lexington & Liberty St. Baltimore Md. 21213
8-10 Yrs. estimating, design & Construction Coordination start up Test of Transmission Power Distribution systems 34.5 KV - 750 KV systems. Station layout, Material Specifications purchase, NFPA 30 reg. certified Northern Ring Substations UP Grade [...]

- Excellent Interpersonal Skill / Coordination of various Depts. Efforts for completed plans, Proposals, Budget Estimates Etc. equipment test-delivery

- Ability to take off scale Drawing, get subcontractor Estimates, Manufacturing Estimates, Fabrications, Labor Materials Professional Services, design Engineering, Legal, Environmental, Land Acquisition, Zoning, Permits etc.