



WHITMIRE & ASSOCIATES, Inc.

ELECTRICAL ENGINEERS

Statement of Qualifications

Bradley S. Whitmire, P.E.

ELECTRICAL ENGINEER



Professional History

Mr. Brad Whitmire has a wide range of experience as an electrical engineer designing power, lighting, and communications systems as a private consultant. For more than 32 years, he worked with industrial and commercial clients of all facets of design and project management for construction and renovation projects. He also has a keen insight into electrical contracting in such areas as project cost, management, administration, and operations. His experience in managing mechanical, electrical, and civil design projects is extensive.

He has designed electrical power, lighting, and special systems for airport, industrial, municipal, institutional and commercial facilities. System types include:

- Airfield Power Design / Ground Power
- Specialty Lighting Design
- High Voltage Power Distribution
- Medium Voltage Power Distribution
- SKM Power Systems Modeling
- Pipeline Pump Stations
- E-House Design, Remote Powerhouse
- UPS Systems and Data Center Power
- Backup and Paralleling Generation
- Substation Design
- Grounding Systems
- Energy Management Systems

Registrations

Professional Engineer, Electrical Engineering:
Georgia No. 024130, Alabama No. 021929,
North Carolina No. 022082, Ohio No. 68358,
Utah No. 5414284-2202, Virginia No.
0402042142, Nevada No. 18431, Texas No.
96159, Florida No. 89302, West Virginia
Unrestricted Electrical Contractor, FL & GA

Education

Southern Polytechnic State University
Marietta, GA
BS Electrical Engineering
Technology



WHITMIRE & ASSOCIATES, INC.

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<https://goo.gl/maps/XCbJEKndh2QzpYss6>

Project Experience

The following is a list of projects completed while acting as the Senior Electrical Engineer directly responsible to all electrical engineering functions such as design for power distribution, lighting, grounding, Hazardous classification plan, controls, modification and additions to existing switchgear, motor control centers, lighting panels, power panels and the addition to power distribution infrastructure. Engineering tasks included power distribution system design, load calculations, load balancing, voltage drop calculations, lighting design, feeder calculations, branch circuit calculations, and protective coordination study.

Professional References

Thomas Gambino, Prime Engineering, 404-425-7102

Allen Harris, Bailey Harris Construction, 334-821-0807

Arndt Siepmann, City of Auburn, Director of Industrial Development, 334-501-7270

Industrial

Project Name

Faith Technologies, Facility Design – Power Distribution
Florida Power & Light, Electrical I&C, Facility upgrades
Amazon Air Hub, Ramp Power Distribution and EFSO System Design
Polar Beverage, New Compressor Rm and 4,000A Switchboard
Lineage Logistics, Facility Short Circuit Study and Arc Flash Study
Alatrade Foods, Facility Electrical Plans
Perdue Farms, Facility Switchboard Failure Report & Arc Flash Study
BD & K Foods, Facility Design – Power Distribution
Niagara Water, Bottle Facility – Construction Administration
Georgia Power Co., Plant Bowen, Main Control Room 1 & 2 Rebuild
Georgia Power Co., Thomaston, Main Control Room Addition
Bonnell Aluminum, Manufacturing Plant Expansion
Southwest Airlines, New Fuel Storage and Distribution Facility.
Delta Airlines/AATC, New Fuel Storage and Distribution Facility
Delta Airlines, New Cooler Facility Retrofit
Atlanta International Airport AATC, Boiler Replacement Project
Myrtle Beach Airport, Jet Fuel Storage & Distribution Plant Expansion
DHL, New Fuel Storage and Distribution Facility
IPN USA Corp, Manufacturing Plant Expansion
ATS Wheels, New Addition to Facility
Dayton International Airport, New Fuel Storage and Distribution Facility
Cylpro Manufacturing, Auto Parts Manufacturing Facility
Halla Automotive, New Manufacturing Facility
CV Holdings, New Injection Molding Facility
Laughlin AFB, New Central Plant and Ground Power System Design
Lockheed Martin, Fabrication/Trim Shop Facility
Reno International Airport, New Fuel Storage and Distribution Facility
Southern States Chemical Corp., New Acid Plant
Hyatt Resorts, HV Distribution Evaluations, and Energy Study
Kinder Morgan, New Fuel Storage, and Distribution Facility, Rail

Location

Opelika, AL
Fort Myers, FL
Cincinnati, OH
Fitzgerald, GA
Statesville, NC
Phenix City, AL
Perry, GA
Columbus, GA
Newnan, GA
Cartersville, GA
Thomaston, GA
Newnan, GA
Dallas, TX
Atlanta, GA
Atlanta, GA
Atlanta, GA
Myrtle Beach, SC
Wilmington, DL
Peachtree City, GA
Auburn, AL
Dayton, OH
Auburn, AL
Auburn, AL
Auburn, AL
Del Rio, TX
Marietta, GA
Reno, NV
Wilmington, NC
Puerto Rico
Rochester, NY

Kinder Morgan, New Fuel Storage, and Distribution Facility, Rail	Detroit, MI
Seohan Automotive, New 150,000 s.f. Parts Manufacturing Facility	Auburn, AL
Weidmann Plastic Technology, New 75,000 s.f. Parts Manufacturing Facility	Auburn, AL
Weidmann Plastic Technology, Expansion to Manufacturing Facility	Auburn, AL
Auburn University, New Tennis Complex	Auburn, AL
Boral Brick, New Substation Design and New Manufacturing Facility	Phoenix City, AL
Amoco Fibers, Manufacturing Plant Renovations and Site Lighting	Roanoke, AL
Florida Rock Corporation, New Rock Quarry Electrical Design	Lee County, AL
Pratt Whitney, Process Machinery Additions	Columbus, GA
Coca-Cola Corp, Facility Addition	Cleveland, TN
Coca-Cola Corp, Facility Addition	Sandston, VA
Coca-Cola Corp, Facility Addition	Twinsburg, OH
Amazon Air Hub, Ramp Substations, and Ground Power Distribution	Cincinnati Airport

Commercial

City of Molena, New Fire Station & EMS	Molena, GA
Decatur Health Imaging, CAT Scanning Equipment retrofit	Atlanta, GA
Newnan Woman's Clinic, PET/CAT Imaging Equipment Retrofit	Newnan, GA
PAWS Animal Shelter, New Facility Design	Columbus, GA
TIC Federal Credit Union, New Branch Banking Facility	Columbus, GA
TIC Federal Credit Union, New Branch Banking Facility	Ft Benning, GA
Main Street Bank, Site lighting Additions Corporate Wide	Covington, GA
United Bank, Branch Bank Addition	Thomaston, GA
Northside Baptist Church, New Facility and Worship Center	Thomaston, GA
Columbus First Presbyterian Church, New Additions and Remodeling	Columbus, GA
St. Patrick's Church, New Facility and Worship Center	Perry, GA
Spanky's Restaurant Group, New Restaurant Design	Savannah, GA
Loco's Deli, New Restaurant Design	Columbus, GA
Hines Prescription Shop, New Pharmacy	Barnesville, GA
Bank Of Upson, New Branch Renovations	Fayetteville, GA

Educational and Government

CPA Pickleball Facility, New Pickleball Facility	Columbus, GA
Augusta YDC, New Complex Wide Security Lighting System, Hi-Mast	Augusta, GA
Marietta YDC, Perimeter Security/Site Lighting	Marietta, GA
Clayton County, RYDC, High-Mast Lighting System	Lovejoy, GA
Kinnett Stadium, New Scoreboard, Sound System & Jumbotron	Columbus, GA
GSA IRS Facility, 20,000s.f. Office and Data Center	Columbus, GA
Fort Benning, Nation Infantry Museum Exterior Lighting Design	Ft. Benning, GA
Fort Benning, Nation Infantry Museum Stadium Design	Ft. Benning, GA
Georgia Southwestern State University, Jackson Hall Music Facility	Americas, GA
Georgia Southwestern State University, Student Center Remodel	Americas, GA
Flint River Technical College, Library Remodel	Thomaston, GA
Laughlin AFB, New Central Plant and Ground Power System Design	Del Rio, TX
Upson Lee Elementary, Building Addition	Thomaston, GA
Bloomington Park, New Softball Complex	St George, UT
The Fields at Little Valley, New Softball Complex	St George, UT
Opelika Sportsplex, Addition of Spraypark to the Complex	Auburn, AL
Columbus State University, Davidson Hall Chiller Replacements and Additions	Columbus, GA
Georgia Southern, Student Center Remodel	Statesboro, GA
State of Georgia DHR, New Paralleling Generator Installation	Atlanta, GA
Houston County Courthouse, Complete Remodel and Upgrade	Perry, GA
Stewart County Courthouse, Complete Remodel and Upgrade	Lumpkin, GA
Auburn University, New Tennis Complex	Auburn, AL