



Whitmire & Associates, Inc.

Electrical engineering | Thomaston, Georgia | waieng.com

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CAPABILITY STATEMENT — ELECTRICAL ENGINEERING

The electrical engineering firm owners and architects call when the work has to be right the first time — power distribution, arc flash, and SKM-modeled design, stamped by the PEs who do the work. Licensed in GA · AL · FL · OH · NC · VA · TX · NV · UT · WV, plus NCEES record for additional states.

28+

YEARS IN PRACTICE

2

LICENSED PES — THE
STAMP DOES THE WORK

Licensed in GA · AL · FL · OH ·
NC · VA · TX · NV · UT · WV,
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additional states.

5

CORE MARKETS SERVED

What WAI does — in buyer language

Power distribution — HV / MV

Service, switchgear, and distribution design for expansions, replacements, and new facilities.

Arc flash, coordination & short-circuit studies

SKM-based studies with current labels and findings ranked by risk and cost — not a binder that sits on a shelf.

SKM modeling & one-line documentation

Field-verified one-lines, panel schedules, and a current model you can safely design and troubleshoot from.

Substation & E-house design

Substations, E-houses, and packaged electrical buildings from study through construction documents.

Backup & paralleling generation / UPS

Standby and paralleling generation, UPS and data-center power sized to the load that actually matters.

Lighting design

Interior, exterior, and site lighting integrated with distribution and controls.

Airfield electrical

Airfield power and ground-power upgrades built to airport standards, with municipal references.

Study-to-design under one roof

Model it, study it, then design the fix — one PE accountable end to end, no handoffs.

MARKETS SERVED

Industrial / manufacturing Chemical & petroleum

Municipal Airports & airfields

Commercial / institutional

Project history across Atlanta, Macon, Savannah, Birmingham, Huntsville, Tampa, Miami, Charlotte, Raleigh, Columbus, Cleveland, Richmond, Houston, Dallas, Austin, and more.

WHY OWNERS & ARCHITECTS CHOOSE WAI

- **The PE you talk to stamps the work.** No handoff to junior staff.
- **Contractor-side judgment** on cost and constructability in every design.
- **One firm follows your portfolio** across states — no re-learning your standards.

HOW AN ENGAGEMENT STARTS — NO OBLIGATION

1 — 15-min call

Service size, what changed, what is driving the timeline.

2 — One-page scope

Fixed fee, deliverables, and schedule in writing within the week.

3 — Field + model

We verify the gear in the field and build or clean up the SKM model.

4 — Stamp + findings

Stamped deliverable with findings ranked by risk and cost.

START HERE — THREE SCOPED WAYS IN

Lead with a scoped study. Land the design work behind it.

Buyers rarely wake up wanting “electrical engineering services.” They wake up with a deadline, an audit, or a project. These three offers match that moment, scope cleanly, and expand naturally into design work.

1 Arc flash + coordination study refresh — the compliance door

NFPA 70E expects the incident-energy analysis to be reviewed at intervals not exceeding 5 years, and sooner whenever the system changes. WAI delivers the SKM model (or model cleanup), short-circuit + coordination + arc flash, labels, and a findings list ranked by risk and cost. **Deliverable in 2–4 weeks.** Hook: “Is your arc flash study over 5 years old?”

2 SKM model + one-line cleanup — the “get current” door

Field-verified one-line, SKM model, panel schedules, and an as-built package, fixed-fee by gear count. Every future project needs it, it is easy to approve, and it makes WAI your incumbent engineer. Hook: “Can you trust your one-line?”

3 Expansion / reliability design package — the project door

Power distribution, lighting, standby/paralleling generation, substation/E-house, UPS/data-center, and airfield power for owners and architect/GC partners with a real project and a deadline. Sold on responsiveness and constructability — not on being the cheapest stamp.

Representative work — what a buyer can forward to a boss

Facility / project type	Scope	Result the owner cares about
Industrial plant — Southeast	SKM model cleanup, arc flash + coordination study, label installation set	Current, defensible labels and PPE selections; findings ranked so maintenance can fund fixes in priority order.
Manufacturing expansion	One-line verification, distribution design, generation/UPS coordination	Expansion designed from a model that matches the gear in the field — no mid-construction surprises.
Municipal / airfield facility	Airfield power and distribution upgrades, standby power	Work built to owner standards by engineers with airport and municipal references in-state.

Client names withheld; references available on request. Snapshots describe representative scopes from WAI’s practice areas — request project-specific references for your facility type.

Licensure — coverage without handoffs

Licensed in GA · AL · FL · OH · NC · VA · TX · NV · UT · WV, plus NCEES record for additional states.
One firm follows a multi-site owner’s portfolio. *Verify the current roster and date it before proposal use.*

Who does the work

Brad Whitmire, PE — President, Whitmire & Associates, Inc. Two licensed Professional Engineers perform and stamp the work: 28+ years of industrial, commercial, and municipal electrical design, with contracting-side insight into cost, constructability, and operations.
W-9 and certificates of insurance available on request.

Start with a 15-minute scoping call

Tell us the service size, what changed, and what is driving the timeline. You get a one-page scope with a fixed fee — no obligation to proceed.

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