

Technical Evaluation Committee (TEC) Questionnaire

Instructions

- The Technical Evaluation Committee (TEC) Questionnaire shall be used for professional services related to architecture, engineering, or survey projects.
- **The TEC Questionnaire should be completely filled out. Complete and attach ALL sections. Insert “N/A” or “None” if a section does not apply or if there is no information to provide.**
- Questionnaire must be signed by an authorized representative of the Firm. Failure to sign the questionnaire shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- All subcontractors must be listed in the appropriate section of the Questionnaire. Each subcontractor must provide a complete copy of the TEC Questionnaire, applicable licenses, and any other information required by the advertisement. Failure to provide the subcontractors' complete questionnaire(s), applicable licenses, and any other information required by the advertisement shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- If additional pages are needed, attach them to the questionnaire and include all applicable information that is required by the questionnaire.

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

B. Firm Name & Address:

C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:

D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.

E. Please provide the number of employees whose primary function corresponds with each category:

<input type="checkbox"/> Administrative	<input type="checkbox"/> Estimators	<input type="checkbox"/> Specification Writers
<input type="checkbox"/> Architects (Licensed)	<input type="checkbox"/> Geologists	<input type="checkbox"/> Structural Engineers
<input type="checkbox"/> Chemical Engineers	<input type="checkbox"/> Geotechnical Engineers	<input type="checkbox"/> Graduate Engineers
<input type="checkbox"/> Civil Engineers	<input type="checkbox"/> Interior Designers	<input type="checkbox"/> Project Managers
<input type="checkbox"/> Construction Inspectors	<input type="checkbox"/> Landscape Architects	<input type="checkbox"/> Clerical
<input type="checkbox"/> Ecologists	<input type="checkbox"/> Land Surveyor	<input type="checkbox"/> Grant/Funding Specialist
<input type="checkbox"/> Electrical Engineers	<input type="checkbox"/> Mechanical Engineers	<input type="checkbox"/> Sanitary Engineers
<input type="checkbox"/> Engineer Intern	<input type="checkbox"/> Environmental Engineers	
<input type="checkbox"/> Professional Land Surveyors		___ TOTAL

F. Is this submittal by a JOINT-VENTURE? Please check: YES NO

If marked "No" skip to Section I. If marked "yes" complete Sections G-H.

TEC Professional Services Questionnaire

G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.

1.

2.

H. Has this JOINT-VENTURE previously worked together? Please check:
YES NO

I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1.		
2.		
3.		

J. Please specify the total number of support personnel that may assist in the completion of this Project:

TEC Professional Services Questionnaire

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Project Assignment:

Name of Firm with which associated:

Years' experience with this Firm:

Education: Degree(s)/Year/Specialization:

Active registration: Year first registered/discipline:

Other experience and qualifications relevant to the proposed Project:

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Project Assignment:
Name of Firm with which associated:
Years' experience with this Firm:
Education: Degree(s)/Year/Specialization:
Active registration: Year first registered/discipline:
Other experience and qualifications relevant to the proposed Project:

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Project Assignment:
Name of Firm with which associated:
Years' experience with this Firm:
Education: Degree(s)/Year/Specialization:
Active registration: Year first registered/discipline:
Other experience and qualifications relevant to the proposed Project:

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Project Assignment:	
Name of Firm with which associated:	
Years' experience with this Firm:	
Education: Degree(s)/Year/Specialization:	
Active registration: Year first registered/discipline:	
Other experience and qualifications relevant to the proposed Project:	

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Project Assignment:
Name of Firm with which associated:
Years' experience with this Firm:
Education: Degree(s)/Year/Specialization:
Active registration: Year first registered/discipline:
Other experience and qualifications relevant to the proposed Project:

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Project Assignment:
Name of Firm with which associated:
Years' experience with this Firm:
Education: Degree(s)/Year/Specialization:
Active registration: Year first registered/discipline:
Other experience and qualifications relevant to the proposed Project:

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

TEC Professional Services Questionnaire

M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1.		
2.		
3.		
4.		

N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.

Jefferson Parish
State of Louisiana

O. To the best of my knowledge, the foregoing is an accurate statement of facts.

Signature: San Horne **Print Name:** _____

Title: _____ **Date:** _____



Ian Sharpe

Principal Electrical Engineer
Electrical Department

504-844-6654

www.fiabengineers.com

Experience:

FIAB: 1 Year

Ian Sharpe has 18 years of experience in the design &/ design management and construction supervision of High, Medium and Low Voltage (345kVAC to 24VDC) electrical systems for commercial, industrial & utility applications; including single line diagrams, load flow, motor starting & short circuit studies, relay coordination, arc flash analysis, grounding grids, lightning protection, MCCs, motor elementary, breaker & cable sizing and cable tray systems. Experienced with SCADA, DCS, instrument power, and telecommunication distribution systems. Supervised commissioning of utility scale solar and wind generating facilities. Prepared and evaluated EPC contracts.

Education:

Georgia Tech | BSc.
Electrical Engineering

Univ of Bath | MSc.
Electrical Power Systems

OXY

Lead electrical engineer for design of a new cold storage building including backup generator power with automated step loading.

Acciona Energy

Lead the electrical engineering function to design the collection system and 138kV/34.5kV project substation for a 95MW wind farm in ERCOT.

Programs:

ETAP, SKM, EasyPower

Valero, Marathon, Sinclair Oil

Lead electrical engineer for several oil refinery expansion projects, performed load flow, fault/short circuit & relay coordination studies for a 34.5kV substation & numerous 13.8kV, 4.16kV and 480V distribution system upgrades.

Typical project deliverables included, area classification, switchgear, transformer & MCC specifications, motor elementaries, cable tray & duct bank systems, grounding & lightning protection, heat trace system design, lighting designs & cable schedules.

Programmed Eaton Cutler Hammer MP-3000 and Allen Bradley Powerflex 753 for protection of 4.16kV, 2000hp motors and 480V, VFD motors respectively.

Registration:

TWIC Card Holder

Louisiana Board of
Engineering: Registered
Professional Engineer
#43949

South Carolina Board of
Engineering: Registered
Professional Engineer
#30788

Tennessee Board of
Architectural and
Engineering Examiners:
Registered Professional
Engineer #123565

Texas Board of
Professional Engineers:
Registered Professional
Engineer #137738

Confidential Paper Mill

Produced 4160V/480V/120V electrical distribution system designs as part of a paper mill expansion project. Deliverables included MCC design, motor elementaries, cable tray & duct bank systems, grounding & lightning protection, lighting, & cable schedules.

Government of Trinidad & Tobago

Designed the electrical system for four, seventy two apartment affordable housing buildings, two industrial warehouses, two sewage lift stations, one sewage treatment plant and one commercial building.

Responsible for the design of the underground electricity, telecommunication and roadway lighting infrastructure and layout for three industrial parks, two medium density housing developments and a commercial office building complex.

Designed the roadway lighting systems for over a hundred miles of highway improvements projects.



Ronnie Rodriguez

Senior I&C Engineer
Electrical Department

504-844-6654
www.fiabengineers.com

Experience:

FIAB: 1 Year

Ronnie is a Control Systems Engineer with 18 years of electrical and control systems design & engineering experience across various industries. He can serve as the Technical Lead on this project while also focusing on higher level engineering tasks.

Education:

UNO | BSc. Electrical
Engineering

Ronnie has focused on low voltage Electrical and Controls design for various industries including oil and gas, water & wastewater, marine, nuclear, and renewable energy. His typical deliverables include design specifications, panel layouts, wiring diagrams, conduit layouts, interconnection drawings, P&IDs, lighting, CCTV, heat and load calculations, load studies, O&M manuals, QA/QC checklists, testing procedure documentation, failure modes and affects analysis documents, recommended spare parts list, and verification and validation programs.

Registration:

PE 49220 Louisiana

TVA Nuclear

Water screen controls design

Mid-American Energy

Water screen controls design

Loreauville

WWTP control panel design

St Tammany Parish

Standard potable well panel design

Lafourche Parish

Pump station upgrade design package

Veolia

Bio-Reactor controls design package

EDP Renewables

Solar substation relay protection panel design

Mas Energy

RNG plant design

AWC

LBTS panel design

LADOTD

Lighting panel design



Jordan Martin

Senior Electrical Engineer
Electrical Department

504-844-6654
www.fiabengineers.com

Experience:

FIAB: 1 Year

Jordan is an Electrical Engineer with 6 years of electrical and control systems design & engineering experience across various industries. He can serve as the Technical Lead on this project.

Education:

East Carolina
University | BSc.
Industrial Engineering
Technology

Jordan has focused on low, medium and high voltage power for various industries including oil and gas, water & wastewater, commercial buildings and renewable energy. His typical deliverables include design specifications, panel layouts, wiring diagrams, conduit layouts, interconnection drawings, heat and load calculations and power system studies. He also has extensive field engineering experience.

Registration:

EIT Pending

Leeward Renewable Energy

Managed collection and substation design from 69kV through 345kV for several projects. Prepared ETAP models of the sites and performed load flow, short circuit, coordination and arc flash analysis.

Various Clients

Provided electrical designs (Lighting, Receptacles, Panel Schedules, Switches etc.) using the NEC for several MEP projects (New or existing) from Schools, Hospitals, Well Pumps, First Responders Facilities and Prisons.

Henkles & McCoy

Managed a team of (6) electrical field engineers (direct reports) on multiple wind energy projects. Analyzed OTDR reports, Megger test, ground grid resistances testing, oil samples, transformer turn ratio reports, Partial discharge reports and very low frequency test (VLF) for commissioning efforts. Completed the final inspection on all installations and terminations regarding junction box and transformer phasing/position cable tags, level checks, crimps, dies, lugs, cable spacing, boring distance, pre- and post-concrete pouring.



Gina Lala

Principal Electrical Designer
Electrical Department

504-844-6654

www.fiabengineers.com

Experience:

FIAB: 1 Year

Mrs. Lala has been employed in the Chemical, Refining, Commercial and Municipal Industries as an Electrical Designer/Drafter & CAD Operator for 40 years. Mrs. Lala is a passionate, detail-oriented, driven professional leveraging experience in efforts towards the achievement of project deliverables on time and under budget. Mrs. Lala is well versed in engaging and sustaining relationships with teams, leadership personnel, clients, and key stakeholders.

Responsible for performing design of the following, just to name a few.

Education:

NCCER | Certified
Industrial Electrician V5

ABC | Certified
Electrical Craftsmen

Delgado | Certified CAD
Operator

JeffVoTech | Certified
Design Drafter

Campus Improvements

Designer responsible for electrical design and development of drawings for a campus improvement project involving roadways lighting and new lighting for frontal landscape.

Harbor Refuge

Designer responsible for electrical design and development of drawings for new ground development involving the main electrical service, site and boat slip lighting.

Programs:

AutoCad

Jones Creek Road Lighting

Designer responsible for electrical design and development of drawings for roadway lighting from Design Phases to Final Construction.

Registration:

TWIC Card Holder

IMTT Dock

Lead design of electrical infrastructure for new barge gate. Design fields include grounding, lighting, cable tray and power/control.

Colony Place Lighting

Created and designed drawings for roadway lighting for Bid and Design phases; Site visit for measurements and design criteria/obstacles.

Bayer Complex

Lead design for 600 Series Tank Recirculation project. Design fields include grounding, lighting, cable tray and power/control.

Valero Complex

Lead design for Levee Fence Design and Gate Security. Design fields include location plans, block diagram, power/control, grounding and lighting.

Avondale Sewer Lift Station Generator

Lead designer responsible for the electrical design and development of drawings for replacement of generator and lift stations. Design fields include one-line, power, grounding, lighting and elevations.

Water Treatment Plant

Designed the entire power, instrument and lighting systems for a new water treatment plant.



Jacob Finley

Principal Designer
Electrical Department

504-844-6654
www.fiabengineers.com

Experience:

FIAB: 1 Year

Jacob is an Electrical Designer with 13 years of electrical and control systems design experience across various industries. He can serve as the Design Lead on this project while also focusing on higher level design management tasks.

Education:

Southeastern LA
University | BSc.
Industrial Technology

Jacob has focused on low and medium voltage Electrical and Controls designs for various industries including oil and gas, water & wastewater and renewable energy. His typical deliverables include grounding/lighting/power/area class plans, cable schedules, motor schematics & one-line diagrams utilizing AutoCAD software. Jacob is highly skilled in 3D modelling of facilities infrastructure.

Tesla

Supercharging Solar and BESS sites designs

Koch Methanol

Lead designer for detailed design of the facility

Valero

Site surveys of electrical equipment, red lines, as-built drawings, construction support and start-up/commissioning

Normanda

Site surveys of electrical equipment, red lines, as-built drawings, construction support and start-up/commissioning

Various Confidential Oil and Gas projects

Prepared design packages and prepared 3D models for electrical infrastructure and cable systems



Nick Loiacono Jr.

Senior Project Engineer
Engineering Department

504-844-6654

www.fiabengineers.com

Experience:

FIAB: 1 Year

Education:

UNO| BSc.
Mechanical
Engineering

Registration:

PE 40807 Louisiana

Technical Skills:

Primavera P6
Maximo
AutoCAD

Nick is a Professional Mechanical Engineer with 15 years of engineering design, project engineering, and project management experience across various industries. He can serve as the Project Engineer on this project in the design phase and provide construction supervision during the construction phase.

Ronnie has focused on low voltage Electrical and Controls design for various industries including oil and gas, water & wastewater, marine, nuclear, and renewable energy. His typical deliverables include design specifications, panel layouts, wiring diagrams, conduit layouts, interconnection drawings, P&IDs, lighting, CCTV, heat and load calculations, load studies, O&M manuals, QA/QC checklists, testing procedure documentation, failure modes and affects analysis documents, recommended spare parts list, and verification and validation programs.

Koch Methanol

Project Engineer for multidiscipline projects from design through construction, overseeing project changes, risk mitigation and contingency planning.

Project Engineering for Numerous Industrial Projects

- Provided on-site construction and start-up support, interfacing with construction coordinators, managing field changes, conducting field verification, and redlining as-built drawings.
- Led multidisciplinary small-cap projects during construction, commissioning, and start-up, overseeing 17,000+ man-hours with a team of 33 engineers and designers.
- Ensured designs adhered to technical and client standards, while minimizing unnecessary scope additions.
- Managed the Management of Change (MOC) procedure with client personnel to ensure process safety management compliance.
- Participated in Process Hazard Analysis (PHA) and Layer of Protection Analysis (LOPA) meetings to identify and mitigate risks.
- Developed and implemented a real-time project change tracking system that captured 30,000+ man-hours of engineering changes during design and construction.
- Established and maintained a cloud-based technical library with 28,000+ documents for seamless communication between engineering, construction, and commissioning teams.

Mechanical Engineering for Numerous Industrial Projects

- Developed specifications for mechanical equipment, reviewed vendor proposals, prepared bid evaluations, approved vendor drawings and calculations, and attended factory acceptance tests on behalf of clients.
- Performed pipe stress analysis and evaluated nozzle loads using finite element analysis software for fixed and rotating equipment per industry standards.
- Produced design drawings, construction documents, bills of material, calculation packages, and engineering reports.
- Specified, selected, and designed various types of mechanical equipment, including storage tanks, pressure vessels, pumps, and heat exchangers.



Since 2023, FIAB Engineers, LLC has been providing superior electrical engineering services to the commercial sector and petrochemical & associated process industries. The FIAB team has over thirty years of experience in refining, oil and gas processing, storage terminals, pump stations and wastewater treatment, commercial office buildings, schools and housing complexes. FIAB's engineers are highly skilled and experienced in performing power systems studies including, load flow, short-circuit, protection coordination, arc-flash, harmonic analysis, motor starting and power factor correction. From FEED through detailed design, we can provide for all your electrical power engineering, design and drafting needs.

Engineering Design

- Electrical Distribution System Design
 - Conceptual
 - FEED
 - Bid Evaluation
 - Detailed Design
- Lightning Protection and Grounding System Design
- Switchgear and MCC Design
- Medium and Low Voltage Distribution
- Variable Speed Drive Systems
- Natural Gas, Diesel and Turbine Driven Generator Sets
- Uninterruptible Power Supply (UPS)
- Grounding Design
- Control Panel / System Design
- Distributed Control Systems (DCS)
- Safety Instrumented Systems (SIS)
- Instrument Specifications
- Fire Alarm Systems

Power System Studies

- Load Flow
- Voltage Drop
- Short Circuit
- Protective Device Coordination
- Arc Flash Hazard Analysis
- Motor Starting

SUMMARY OF QUALIFICATIONS:

17 years of experience in the design &/ design management and construction supervision of High, Medium and Low Voltage (345kVAC to 24VDC) electrical systems for commercial, industrial & utility applications; including single line diagrams, load flow, motor starting & short circuit studies, relay coordination, arc flash analysis, grounding grids, lightning protection, MCCs, motor elementary, breaker & cable sizing and cable tray systems. Experienced with SCADA, DCS, instrument power, and telecommunication distribution systems. Supervised commissioning of utility scale solar and wind generating facilities. Prepared and evaluated EPC contracts.

EDUCATION:

University of Bath, Bath, United Kingdom
MSc. Electrical Power Systems by Distance Learning, June 2015

Georgia Institute of Technology, Atlanta, Georgia
BSc. Electrical Engineering, December 2005

EXPERIENCE:

FIAB Engineers, LLC, New Orleans, LA, 70124
Owner/Principal Engineer

Jul. 2023 –Present:

- Lead electrical engineer for design of electrical service upgrades, modifications, and new construction for several small cap projects.

Leeward Renewable Energy, LLC, Dallas, TX, 75206
Director of Transmission

Jan. 2021 –Jul. 2023:

- Identifying unique transmission solutions for reliability and/or economic constraints in various planning regions.
- Testify before regulatory agencies regarding transmission & interconnection matters.
- Maintain productive relationships with assigned utilities, ISOs, industry groups, regulators and other stakeholders in assigned geographic areas on issues related to transmission and interconnection.
- Participate in stakeholder forums to understand industry concerns and direction with respect to grid connected renewable resources and provide leadership in such forums on issues related to development of Leeward projects.
- Support Government Affairs in the development of renewable resource policies

BRIS Engineering LLC, St. Rose, LA, 70087
Senior Consulting Engineer (Casual Employee)

Jan. 2019 – Aug. 2022:

Jan. 2021 – Aug. 2022:

- Lead electrical engineer for design of a new cold storage building including backup generator power with automated step loading.
- Lead electrical engineer for design of electrical service upgrades, modifications, and new construction for several small cap projects.

Electrical & Instrumentation Department Manager

Jun. 2020 – Dec. 2020:

- Lead the electrical and instrumentation engineering functions to design power, distributed control and safety instrumented systems for industrial process facilities and tank farm terminals with a focus on small to mid-cap projects.
- Responsible for ensuring value engineering and compliance with industry, client & company standards as well as adherence to project budget and schedule.
- Coordinate with Project Management to prepare bid packages and proposals for new projects including manhour estimates, total installed cost estimates, engineering schedules, construction scheduling and risk analysis.
- Responsible for 6 direct reports including; long term manpower estimates, hiring, performance reviews, mentoring and resource allocation to ongoing and new projects.
- Develop and maintain the engineering design criteria/best practices and processes.

Senior Consulting Engineer

Jan. 2019 – May 2020:

- Lead electrical engineer for design of electrical service upgrades, modifications, and new construction. Representative projects include:
- New Methanol Terminal Facility – Detail design, major equipment specification and construction scope of work for the 13.8kV utility interface switchgear, 4160V fire water emergency generator system, site medium voltage and low voltage power distribution system and infrastructure.
- New Crude Oil Terminal Facility – Performed the preliminary electrical system design for the 140MVA facility including but not limited to; load list, 34.5kV utility interface, PDC buildings specification, site medium voltage and low voltage power distribution system and infrastructure, cost estimate. Prepared the electrical portions of the EPC bid package.
- Existing Oil Refinery – FEL 2 and detail design for the upgrade of the uLSM system including existing electrical infrastructure load analysis, explosion proof motor starter specification, low voltage power distribution system and infrastructure to supply six (6) new 480V motors.

EXPERIENCE:

Acciona Energy USA Global, Chicago, IL, 60603
Engineering Manager

May. 2015 – Dec. 2018:
Dec. 2017 – Dec. 2018:

- Lead the engineering function to design the foundations, roads, collection system and 138kV/34.5kV project substation for a 145MW wind farm in ERCOT. Responsible for ensuring value engineering and compliance with industry & company standards and O&M requirements as well as adherence to project budget and schedule.
- Coordinate with Development department to perform due diligence for potential new wind and solar utility scale projects including; assessment of interconnect agreement requirements, preliminary design of the roads, collector system, project substation and interconnection transmission line, budgetary cost estimates, construction scheduling and risk analysis.
- Responsible for 6 engineer direct reports during project design phase and responsible for 3 engineer direct reports during construction phase including; hiring, performance reviews, mentoring and resource allocation to ongoing and new projects.
- Develop and maintain the engineering design criteria/practices, ISO processes as well as equipment and construction specifications.

Senior Electrical Engineer

May. 2015 – Nov. 2017:

- Responsible for the preparation of the technical sections of EPC contracts, specifications, bid tabulations, front end engineering, and the review and approval of vendor design engineering drawings for new wind and solar farm projects.
- Lead the electrical engineering function to design the collection system and 138kV/34.5kV project substation for a 95MW wind farm in ERCOT. Responsible for ensuring value engineering and compliance with industry & company standards and O&M requirements as well as overseeing the P&C testing and commissioning.
- Coordinated engineering with electrical contractors, project management and stakeholders through meetings and RFIs.
- Developed and maintained the electrical engineering design criteria/practices as well as equipment and construction specifications.

Ambitech Engineering Corporation, Downers Grove, IL, 60515
Senior Electrical Engineer

Dec. 2013 – Apr. 2015:

- Lead electrical engineer responsible for secondary engineering for the installation of 12kV switchgear, three 12kV transformers and 480V switchgear for the utility supply upgrade of a chemical process plant.
- Responsible for detailed design for the addition of two 2MVA medium voltage transformers and two 480V switchracks for the upgrade of the crude unit of an oil refinery.
- Typical project deliverables included transformer, switchgear & solid state protection equipment specification, cable tray, duct bank, conduit & grounding system detail design.
- Responsible for 12kV electricity distribution pole design and estimating for a utility pole replacement project.

Willbros Engineers, St. Rose, LA, 70087
Electrical Engineer III

Feb. 2013 – Nov. 2013:

- Lead electrical engineer for several oil refinery expansion projects, performed load flow, fault/short circuit & relay coordination studies for a 34.5kV substation & numerous 13.8kV, 4.16kV and 480V distribution system upgrades.
- Typical project deliverables included, area classification, switchgear, transformer & MCC specification, motor elementaries, cable tray & duct bank systems, grounding & lightning protection, heat trace system design, lighting designs & cable schedules.
- Programmed Eaton Cutler Hammer MP-3000 and Allen Bradley Powerflex 753 for protection of 4.16kV, 2000hp motors and 480V, VFD motors respectively.

Jacobs Engineering, Greenville, SC, 29607
Electrical Engineer II

Dec. 2011 – Jan. 2013:

- Produced 4160V/480V/120V electrical distribution system designs as part of a paper mill expansion project. Deliverables included MCC design, motor elementaries, cable tray & duct bank systems, grounding & lightning protection, lighting, & cable schedules.

Trintoplan Consultants Limited, Tacarigua, Trinidad & Tobago
Electrical Engineer II

Mar. 2006 – Nov. 2010:

- Designed the electrical system for four, seventy two apartment high rise buildings, two industrial warehouses, two sewage lift stations, one sewage treatment plant and one commercial building.
- Responsible for the design of the underground electricity, telecommunication and roadway lighting infrastructure and layout for three industrial parks, two medium density housing developments and a commercial office building complex.
- Project Engineer providing supervision services for the upgrade and refurbishment of a water treatment plant; responsible for the review and approval of drawings, contractor valuations, preparation of payment certificates, change orders and progress reports.

Angostura Group of Companies, Laventille, Trinidad & Tobago
Distillery Maintenance, Engineering Intern

Jun. 2004 – Aug. 2004:

- Involved in distillery power factor correction, PLC programming and protective relay maintenance testing.

TECHNICAL SKILLS:

Applications / EasyPower, ETAP, SKM Power Tools, TARA, Bentley Microstation, AutoCAD, Smart Plant, AmpCalc, Visual,
CAD: TraceCalc Pro, Microsoft Access Database, MathCAD
Standards: NFPA 70 (NEC), 70E & 780, IEEE NESC, Color Books/3000 Standards, 1584, NERC, FERC, IEC 61850, API
RP-500, NETA ATS, NEMA VE2, 250, IESNA

PROFESSIONAL LICENSES:

Louisiana Board of Engineering: *Registered Professional Engineer #43949*
South Carolina Board of Engineering: *Registered Professional Engineer #30788*
Tennessee Board of Architectural and Engineering Examiners: *Registered Professional Engineer #123565*
Texas Board of Professional Engineers: *Registered Professional Engineer #137738*

RECENT TRAINING & PDH:

Power-GEM: Steady State Analysis with TARA
EUCI: Utility-Scale Solar Power Plant Design Fundamentals
ABB: Customer Training Seminar
ETAP: E114 Power Systems Analysis



THIS CERTIFIES THAT

FIAB Engineers

dba FIAB Engineers

* Nationally certified by the: **SOUTHERN REGION MINORITY SUPPLIER DEVELOPMENT COUNCIL**

*NAICS Code(s): 541330

* Description of their product/services as defined by the North American Industry Classification System (NAICS)

07/19/2024

Issued Date

SR231864

Certificate Number

07/19/2025

Expiration Date

Ying McGuire
NMSDC CEO and President

Alvin-o Williams President/CEO

By using your password (NMSDC issued only), authorized users may log into NMSDC Central to view the entire profile: <http://nmsdc.org>

Certify, Develop, Connect, Advocate.

* MBEs certified by an Affiliate of the National Minority Supplier Development Council, Inc.®