

**TEC Professional Services Questionnaire**

**A. Project Name and Advertisement Resolution Number:**  
SOQ 20-21 RES. NO. 136765 ROUTINE DRAINAGE PROJECTS

**B. Firm Name & Address where Project work will be performed:**  
WTAA Engineers, LLC  
2622 North Street  
Baton Rouge, LA 70802

**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:**

Sushil Jain, P.E. (LA. #E-15712) Senior Civil Engineer  
Office: 1 (833) 300-9822 Cellular: (225) 252-5434  
Email: wt@wtaaengineers.com

**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.**

Leon Hickman, P.E. (LA. #E-14545)  
Office: 1 (833) 300-9822  
Email: wt@wtaaengineers.com

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

|                                      |                                    |                                      |
|--------------------------------------|------------------------------------|--------------------------------------|
| <u>2</u> Administrative              | <u>    </u> Estimators             | <u>    </u> Specification Writers    |
| <u>    </u> Architects (Licensed)    | <u>    </u> Geologists             | <u>    </u> Structural Engineers     |
| <u>    </u> Chemical Engineers       | <u>    </u> Geotechnical Engineers | <u>    </u> Graduate Engineers       |
| <u>2</u> Civil Engineers             | <u>    </u> Interior Designers     | <u>1</u> Project Managers            |
| <u>2</u> Construction Inspectors     | <u>    </u> Landscape Architects   | <u>1</u> Clerical                    |
| <u>    </u> Ecologists               | <u>    </u> Land Surveyor          | <u>    </u> Grant/Funding Specialist |
| <u>1</u> Electrical Engineers        | <u>1</u> Mechanical Engineers      | <u>    </u> Sanitary Engineers       |
| <u>2</u> Engineer Intern             | <u>1</u> Environmental Engineers   |                                      |
| <u>1</u> Professional Land Surveyors |                                    | <b>14 TOTAL</b>                      |

**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:**  
10  
\_\_\_\_\_

**TEC Professional Services Questionnaire**

|  |
|--|
| <p><b>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.</b></p>   |
| <p><b>PROFESSIONAL IN CHARGE OF PROJECT:</b></p>   |
| <p><b>Name &amp; Title:</b></p>  |
| <p>Sushil K. Jain, P.E.   Senior Civil Engineer</p>  |
| <p><b>Project Assignment:</b></p>  |
| <p>Senior Civil Engineer</p>   |
| <p><b>Name of Firm with which associated:</b></p>  |
| <p>WTAA Engineers, LLC</p>   |
| <p><b>Years' experience with this Firm:</b></p>  |
| <p>20</p>  |
| <p><b>Education: Degree(s)/Year/Specialization:</b></p>  |
| <p>Michigan State University, Master of Science; Civil Engineering 1996<br/> Punjab University, India, Bachelor of Science; Civil Engineering 1960<br/> Punjab University, India, Bachelor of Arts 1956</p>  |
| <p><b>Active registration: Year first registered/discipline:</b></p>   |
| <p>Branch Civil, Registered Professional Engineer #15712, Louisiana as well as Mississippi and Michigan also</p>   |
| <p><b>Other experience and qualifications relevant to the proposed Project:</b></p>  |
| <p>Mr. Jain has over 50 years of experience in all disciplines of civil engineering and construction supervision. Mr. Jain's experience includes power plant piping design, support system, site design, drainage design, bridge design, sewer design, airport master plan studies and airport design, etc. Mr. Jain also worked on the Star Enterprise project "Sour Water Stripper", involving detailed engineering design of tall process columns, multilevel platforms, heavy equipment foundations on piles and spread-footings, underground piping and deep manholes for waste-water, S.P.U. Line-4 expansion and dock improvements. On the ExxonChemical "VISMOD" project, Mr. Jain led the complete foundation and structural design of the facility. On the Chevron "St. James Expansion" project, he led the design of pipe bridges and foundations for heavy equipment.</p> |

**TEC Professional Services Questionnaire**

| <b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>   |  |
|--|--|
| <b>Name &amp; Title:</b>   |  |
| Leon Hickman, P.E.; Senior Mechanical and Environmental Engineer   |  |
| <b>Project Assignment:</b>   |  |
| Senior Mechanical and Environmental Engineer   |  |
| <b>Name of Firm with which associated:</b>   |  |
| WTAA Engineers, LLC  |  |
| <b>Years' experience with this Firm:</b>   |  |
| 20   |  |
| <b>Education: Degree(s)/Year/Specialization:</b>   |  |
| University of South Carolina, Master of Science, Mechanical Engineering 1974-76<br>University of Cincinnati, Graduate Course work in Mechanical Engineering 1971<br>Southern University, Bachelor of Science Civil Engineering 1966  |  |
| <b>Active registration: Year first registered/discipline:</b>  |  |
| Branch ME & EV, LA License PE #14545   |  |
| <b>Other experience and qualifications relevant to the proposed Project:</b>   |  |
| <p>Mr. Hickman has over 50 years experience in environmental and mechanical engineering. He has engineered pumping for several sewerage lift stations and water lines throughout Louisiana. His engineering and supervisory experience includes: mechanical, electrical, chemical plant, designing offshore platforms, water &amp; sewer-system, HVAC design, mechanical specifications for equipment, sewer lift station, force main, plumbing system, boiler system, feasibility studies, and construction coordination. He wrote equipment specifications, prepared specifications and data forms for pumps, pressure vessels, air compressors packages, air dryers and heaters, material handling equipment and agitators. He also has had heavy involvement in the development and design of piping systems for liquids and gases for gas turbines.</p> |  |

## TEC Professional Services Questionnaire

| <b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>  |
|---|
| <b>Name &amp; Title:</b>  |
| William Mead, P.E.; Senior Civil Engineer   |
| <b>Project Assignment:</b>  |
| Civil Engineer  |
| <b>Name of Firm with which associated:</b>  |
| WTAA Engineers, LLC   |
| <b>Years' experience with this Firm:</b>  |
| 10  |
| <b>Education: Degree(s)/Year/Specialization:</b>  |
| University of Wisconsin, Bachelor of Science, Civil Engineering 1969  |
| <b>Active registration: Year first registered/discipline:</b>   |
| Branch Civil, 1981/Civil Engineer (Louisiana #19473),<br>1973/Professional Engineer (Wisconsin)   |
| <b>Other experience and qualifications relevant to the proposed Project:</b>  |
| <p>Mr. Mead, through the past 40 years, has gained a diverse collection of experience in the municipal, state and federal levels of infrastructure engineering. Mr. Mead has served as Director of Public Works for Ascension Parish where he oversaw many structural projects with particular focus on: planning, design, construction and contract administration. He has been both project manager and resident engineer during the construction of a variety of projects where he established a close working relationship with the U.S. Corps of Engineers, Federal and State authorities, and the LA Department of Environmental Quality. Mr. Mead also served as Program Director for a \$300 million Sanitary Sewer program in Baton Rouge, LA. coordinating the work of nearly forty (40) engineering and survey firms as well as numerous contractors and subcontractors.</p> |

**TEC Professional Services Questionnaire**

| <b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>  |  |
|---|--|
| <b>Name &amp; Title:</b>  |  |
| Harith Al-Aloosi, M.A., Civil Engineer  |  |
| <b>Project Assignment:</b>  |  |
| Engineering Coordinator   |  |
| <b>Name of Firm with which associated:</b>  |  |
| WTAA Engineers, LLC   |  |
| <b>Years' experience with this Firm:</b>  |  |
| 8   |  |
| <b>Education: Degree(s)/Year/Specialization:</b>  |  |
| Southern University Baton Rouge; Master of Science, Civil Engineering 2018<br>Baghdad University Bachelor of Science, Civil Engineering 2001  |  |
| <b>Active registration: Year first registered/discipline:</b>   |  |
| Pending EIT registration  |  |
| <b>Other experience and qualifications relevant to the proposed Project:</b>  |  |
| Mr. Al-Aloosi has managed the full concept of engineering from inception, budgeting, planning, permitting, staffing, design, QA&QC through to completion of construction. He has managed processes for several projects including: Project Estimating, Permitting (State & Local), preparation of construction bid documents, preparation of construction contract documents, construction management, inspection, Quality Assurance & Quality Control. Previously, Mr. Al-Aloosi was a part of the management team for roads, highway, bridge construction and subdivision design and construction in Dubai and Abu Dhabi. |  |

## TEC Professional Services Questionnaire

| <b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>   |
|--|
| <b>Name &amp; Title:</b>   |
| Paul T. Winfield, Phd, Administrator, DBE Officer  |
| <b>Project Assignment:</b>   |
| Administrative Manager   |
| <b>Name of Firm with which associated:</b>   |
| WTAA Engineers, LLC  |
| <b>Years' experience with this Firm:</b>   |
| 8  |
| <b>Education: Degree(s)/Year/Specialization:</b>   |
| Tulane University, Doctorate of Philosophy, International Development 2015<br>Tulane University, Master of Science, International Development 2006<br>Corvinus University, Master of Science, International Economics 2003<br>Southern University, Bachelor of Science, Sociology 2001   |
| <b>Active registration: Year first registered/discipline:</b>  |
|  |
| <b>Other experience and qualifications relevant to the proposed Project:</b>   |
| <b>Dr. Winfield has over 15 years of experience in asset management specializing in resource optimization that prioritizes capacity building, regulation and contract compliance and financial oversight. He was the DBE Officer for a \$1.5 billion+ public private partnership, supporting small, minority or women owned businesses and non-profits providing human resource support for over 50 employees, and financial compliance assistance to seven entities. Dr. Winfield's foundation is in the Disadvantaged Business Enterprise realm where he has supported several firms in acquiring Hubzone, 8(a), and other DBE certifications with Federal, State and local agencies. He has also encouraged business development opportunities, identified niche markets, provided proposal development assistance, as well as project management throughout the entire life cycle of projects.</b> |

**TEC Professional Services Questionnaire**

|  |   |   |
|--|---|---|
| <b>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.</b> |   |   |
| <b>PROJECT NO. 1</b>   |   |   |
| <b>Project Name, Location and Owner's contact information:</b>   | <b>Nature of Firm's Responsibility:</b>                       |   |
| State of Louisiana \ Louisiana Restore (2016 flood restoration)<br>Mr. Pat Forbes<br>(225) 952-8226<br>Innovative Emergency Management, Inc.: Ms. Madhu Beriwal, Owner   | Program Management Subconsultant, Client Survey, DBE Outreach |   |
| <b>Completion Date (Actual or estimated):</b>  | <b>Estimated Cost:</b>  |   |
|  | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b> |
| May 2020   | \$900,000,000.00  | \$3,800,125.00                              |

|   |  |   |
|---|--|---|
| <b>PROJECT NO. 2</b>  |  |   |
| <b>Project Name, Location and Owner's contact information:</b>  | <b>Nature of Firm's Responsibility:</b>  |   |
| City of Baton Rouge<br>SSO Improvements<br>Baton Rouge Inspection Services<br>CH2Mhill<br>Baton Rouge, La 70802<br>(225) 389-3186 | Coordination of Inspection of various site of construction & rehabilitation of the SSO for Baton Rouge |   |
| <b>Completion Date (Actual or estimated):</b>   | <b>Estimated Cost:</b>   |   |
|   | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b> |
| April 2022  | \$13,000,000.00  | \$750,000.00                                |

**TEC Professional Services Questionnaire**

| <b>PROJECT NO. 3</b>   |   |   |
|--|---|---|
| <b>Project Name, Location and Owner's contact information:</b>   | <b>Nature of Firm's Responsibility</b>  |   |
| <b>City Of Shreveport - Hersey D. Wilson Drive: New Curb &amp; Gutter Street /sidewalks</b><br><b>Sushil Jain, P.E.</b><br><b>Office of Operational Services</b><br><b>Robert Westerman, P.E.</b><br><b>318-673-6000</b> | <b>Engineering design of two-lane curb &amp; gutter street with sidewalks</b> |   |
| <b>Completion Date (Actual or estimated)</b>   | <b>Estimated Cost:</b>  |   |
|  | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b> |
| <b>January 2015</b>  | <b>\$15,000,000</b>   | <b>\$1,600,000</b>                          |

| <b>PROJECT NO. 4</b>   |   |   |
|--|---|---|
| <b>Project Name, Location and Owner's contact information:</b>   | <b>Nature of Firm's Responsibility:</b>                                     |   |
| <b>City of New Orleans</b><br><b>Stuart Consulting Group</b><br><b>DPW Street Repair (Camp Street)</b><br><b>David Holloway</b><br><b>(504) 658-8062</b> | <b>Surveying &amp; Civil Design analysis &amp; Construction Inspections</b> |   |
| <b>Completion Date (Actual or estimated):</b>  | <b>Estimated Cost:</b>  |   |
|  | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b> |
| <b>August 2021</b>   | <b>\$2,300,000</b>  | <b>\$230,000.00</b>                         |

**TEC Professional Services Questionnaire**

| <b>PROJECT NO. 5</b>   |  |   |
|--|--|---|
| <b>Project Name, Location and Owner's contact information:</b>   | <b>Nature of Firm's Responsibility:</b>                                  |   |
| <b>City of New Orleans<br/>                     Volkert Engineers Louisiana<br/>                     DPW Street Improvements<br/>                     David Holloway<br/>                     (504) 658-8062</b> | <b>Civil Design analysis &amp; calculations Construction Inspections</b> |   |
| <b>Completion Date (Actual or estimated):</b>  | <b>Estimated Cost:</b>   |   |
|  | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b> |
| <b>June 2022</b>   | <b>\$2,500,000.00</b>  | <b>\$245,000.00</b>                         |

| <b>PROJECT NO. 6</b>  |   |   |
|---|---|---|
| <b>Project Name, Location and Owner's contact information:</b>  | <b>Nature of Firm's Responsibility:</b>       |   |
| <b>City Of New Roads - Kings Highway (Obama Street)<br/>                     Sal Rinaudo<br/>                     New Roads, LA<br/>                     (225) 638-5371</b> | <b>Topographical Survey &amp; Road Design</b> |   |
| <b>Completion Date (Actual or estimated):</b>   | <b>Estimated Cost:</b>                        |   |
|   | <b>Entire Project:</b>                        | <b>Work for which Firm was Responsible:</b> |
| <b>April 2020</b>   | <b>\$350,000.00</b>                           | <b>\$35,303.16</b>                          |

**TEC Professional Services Questionnaire**

| <b>PROJECT NO. 7</b>   |   |   |
|--|---|---|
| <b>Project Name, Location and Owner's contact information:</b>   | <b>Nature of Firm's Responsibility:</b>   |   |
| <b>City Of Baker - Hunter Enterprises<br/>Subdivision Development<br/>curb &amp; gutters with ponds<br/>creation<br/>Mr. Kevin Hunter, CEO</b> | <b>Conceptual design, final plans, drainage calculations &amp; ponds<br/>design</b> |   |
| <b>Completion Date (Actual or estimated):</b>  | <b>Estimated Cost:</b>  |   |
|  | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b> |
| <b>October 2021</b>  | <b>\$1,200,000.00</b>   | <b>\$76,000</b>                             |

| <b>PROJECT NO. 8</b>  |   |   |
|---|---|---|
| <b>Project Name, Location and Owner's contact information:</b>  | <b>Nature of Firm's Responsibility:</b>   |   |
| <b>City of Baton Rouge - East<br/>McKinley Street Bridge<br/>Replacement &amp; Two lane curb &amp;<br/>gutter/sidewalk<br/>Sushil Jain, P.E./ J&amp;J<br/>Engineers<br/>EBR DPW/ Mr. Tom<br/>Stephens</b> | <b>Box culvert support structure under bridge with two lanes of<br/>traffic</b> |   |
| <b>Completion Date (Actual or estimated):</b>   | <b>Estimated Cost:</b>  |   |
|   | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b> |
| <b>August 2010</b>  | <b>\$1,250,000.00</b>   | <b>\$123,000.00</b>                         |

**TEC Professional Services Questionnaire**

| <b>PROJECT NO. 9</b>   |   |   |
|--|---|---|
| <b>Project Name, Location and Owner's contact information:</b>   | <b>Nature of Firm's Responsibility:</b>                 |   |
| <b>City of New Orleans - Carondelet Street<br/>                     Raised Curb &amp; gutter in Historic District<br/>                     E. J. Danforth, P.E. 504-658-8000</b> | <b>Preliminary and final plans with public meetings</b> |   |
| <b>Completion Date (Actual or estimated):</b>  | <b>Estimated Cost:</b>                                  |   |
|  | <b>Entire Project:</b>                                  | <b>Work for which Firm was Responsible:</b> |
| <b>June 2007</b>   | <b>\$489,000.00</b>                                     | <b>\$53,000.00</b>                          |

| <b>PROJECT NO. 10</b>   |   |   |
|---|---|---|
| <b>Project Name, Location and Owner's contact information:</b>  | <b>Nature of Firm's Responsibility:</b>                           |   |
| <b>City of Shreveport<br/>                     Missouri Street curb &amp; gutters, sewer &amp; water, embankments Improvements<br/>                     City of Shreveport<br/>                     Robert Westerman, P.E.<br/>                     (318)673-7000</b> | <b>Survey, concept design, final design with capacity upgrade</b> |   |
| <b>Completion Date (Actual or estimated):</b>   | <b>Estimated Cost:</b>  |   |
|   | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b> |
| <b>March 2010</b>   | <b>\$160,000</b>  | <b>\$20,000</b>                             |

**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.<br>N/A  | N/A        |                        |
| 2.         |            |                        |
| 3.         |            |                        |
| 4.         |            |                        |

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

1. All personnel that will be assigned to this project and the firm have experience in overall phases of conceptual and final design.
2. We have performed satisfactorily on numerous projects for the City of Baton Rouge, City of New Orleans, City of Shreveport and numerous small towns throughout Louisiana.
3. The current work-load of WTAA is at a manageable level that we will be able to start work on the project immediately and produce deliverables on schedule.
4. WTAA is adaptive to the local concerns of blight, handicap access, bicycle paths, community preferences, forestry, agriculture preservation, new software and designs utilizing all relevant standards.
5. We have the necessary personnel required to complete this project in a timely manner.

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

Signature:  Print Name: W. T. Winfield

Title: Managing Member Date: 01/26/2021

# STATE & LOCAL DISADVANTAGED BUSINESS ENTERPRISE PROGRAM



1340 Poydras Street, Suite 1800 | New Orleans, LA 70112

March 3, 2020

W.T. Winfield  
WTAA Engineers, LLC  
2622 North Street  
Baton Rouge, LA 70802  
[wt@wtaaengineers.com](mailto:wt@wtaaengineers.com)

## RE: SLDBE Certification Approval

Dear W.T. Winfield:

We are pleased to inform you that WTAA Engineers, LLC has been approved for certification as a State & Local Disadvantaged Business Enterprise (SLDBE). This approval represents certification with: City of New Orleans, Sewerage & Water Board of New Orleans, Louis Armstrong New Orleans International Airport and Harrah's New Orleans Casino & Hotel.

Your firm's contact information will be active on the online SLDBE Directory (<http://neworleans.dbesystem.com>). It will reflect your areas of certification. Your specialties will be listed as:

**CERTIFICATION DESCRIPTION: ENGINEERING SERVICES (CIVIL, STRUCTURAL, ENVIRONMENTAL AND ELECTRICAL) DRAFTING AND CONSTRUCTION INSPECTIONS.**

**NAICS 541330: CIVIL ENGINEERING SERVICES**  
**NAICS 541330: ELECTRICAL ENGINEERING SERVICES**  
**NAICS 54134: DRAFTING SERVICES**  
**NAICS 54135: BUILDING INSPECTION SERVICES**

A re-certification notice will be emailed to you prior to the date of expiration. **However, should you not receive notification from this office for your re-certification, it is your responsibility to contact us.** Submittal of this information is necessary to ensure that there is no interruption in your certified status during your certification period. If a re-certification application is not received, we will proceed with decertification procedures.

We invite you to view City of New Orleans, Sewerage & Water Board of New Orleans, Louis Armstrong New Orleans International Airport and Harrah's New Orleans Casino & Hotel websites for SLDBE opportunities.

If we can be of further assistance, you may contact us at 504-658-4275 or via e-mail at [saoliva@nola.gov](mailto:saoliva@nola.gov).

Sincerely,

*Sonia Oliva*

Sonia Oliva  
Certification Coordinator  
Office of Supplier Diversity | City of New Orleans  
1340 Poydras Street | Suite 1800 | New Orleans, LA 70112

The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

| Name:                  | Public Address:   |
|------------------------|---|
| WTAA Engineers,<br>LLC | Mr. W.T. Winfield<br>2622 North Street<br>Baton Rouge, LA 70802 |

**License/Certificate Information w/ Supervision**

| License    | Status | First Issuance Date | Expiration Date | Supervisor(s)   |
|------------|--------|---------------------|-----------------|---|
| EF.0002957 | ACTIVE | 05/06/2003          | 09/30/2021      | Mr. Isaac R. Porche Jr. # PE.0011755 - Active<br>Mr. Leon Hickman # PE.0014545 - Active<br>Mr. Sushil K. Jain # PE.0015712 - Active |



# WTAA ENGINEERS

ENGINEERING CONSULTANTS AND CONSTRUCTION SUPPORT SERVICES

## PROFESSIONAL QUALIFICATIONS SYNOPSIS

WTAA offers a wide array of expertise and qualifications in the following areas: *Program / Project Management; Planning/Programming Services; Management of Design Phase; Management of Construction Phase & Engineering Consultancy.*

## ENGINEERING SERVICES OFFERED

WTAA Engineers provides complete engineering consultancy services that encompass all aspects of a project from initial feasibility studies and planning, through all phases of design, bid letting, construction supervision, administration and final closing in the following fields:

### MECHANICAL ENGINEERING

Design and layout of Mechanical equipment, pumps, turbines, exchangers and Etc.

- Design and layout of heating, ventilation, air condition and refrigeration systems
- Piping systems, both above and below ground
- Heat transfer studies
- Energy transfer and conservation studies
- Metallurgical analysis
- Material testing
- Plumbing and utility design

### ELECTRICAL ENGINEERING

- Electrical generation and transmission systems
- Lighting systems' electronics
- Commercial and industrial power distribution systems
- Computer programming & Intelligence Technology
- Fiber optic and coaxial cable planning
- Cable tray design and support

### PROCESS SAFETY MANAGEMENT

(29CFR 1910.119 Mechanical Integrity)

- OSHA-PSM Mechanical Integrity Plan
- Pressure Vessels Certification to API-510
- Piping Certification to API-570

- Aboveground Storage Tank Certification to API-653
- Remaining life determination for piping, vessels, and aboveground storage tanks
- Repair, alteration and re-rating of piping, vessels and aboveground storage tanks

### INDUSTRIAL ENGINEERING

- Continuous Flow Petroleum -Chemical Design
- Package and Market Production Design
- Retrofit Scheme Development
- Turnaround and Maintenance Engineering
- Piping, Pumping, Mixing and Storage Specifications

### CIVIL AND INFRASTRUCTURE ENGINEERING

- Highway and street planning and design
- Bridge and interchange design
- Urban transportation planning, design and management systems
- Light Rail & Street Car Facilities
- Sewer collection system and treatment plant design
- Water Distribution system and purification plant design

### ENVIRONMENTAL ENGINEERING

- Environmental studies and design
- Water distribution systems
- Hydraulic studies and Drainage Calculations
- Flood control studies and design
- Construction supervision and management
- Industrial design and maintenance management systems.

### AVIATION ENGINEERING

- Airport expansion facilities and utilities
- Airport Airside planning and design
- Airport drainage studies
- G.I.S. development
- Access ways and warehousing

### STRUCTURAL ENGINEERING & INSPECTIONS

- Structural analysis and design
- Office and commercial building design
- Planning and development of municipal, commercial, industrial, and recreational facilities
- Community assembly, medical and educational facilities
- Subdivision development

### FLOOD INSURANCE AUDITS

***"TEAM WORKING FOR SUCCESS THROUGH QUALITY PERFORMANCE"***

**Corporate office**  
2622 North Street  
Baton Rouge, LA 70802

**Crescent City**  
1809 O. C. Haley Drive  
New Orleans, LA 70113

**North Louisiana Office**  
1544 Milam Street  
Shreveport, LA 71103

**Central Louisiana**  
1617 Branch Street  
Alexandria, LA 70302