



## Position Profile: 2266

### Civil Structural Engineering Section Lead Engineer

Baton Rouge, LA



Prepared By: **ECIG**

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### Civil Structural Engineering Section Lead Engineer [2266]

The world's leading specialist engineering contractor for low-density polyethylene (LDPE) and ethylene vinyl acetate (EVA) projects has an immediate need for a **Civil Structural Engineering Section Lead Engineer**. The purpose of the role is to provide management and leadership for the Baton Rouge Office Civil Structural Engineering Department Section such that it operates as an effective team in the execution of its assigned work scope such that deliverables are technically correct, coordinated with adjoining departments and executed within assigned schedule and budget.

**COMPANY INFORMATION:** [WEBSITE <https://ecigrouponline.com/engineering-services/> ]

Founded in 1977 ECI Group Inc. [ECIG] provides world-class engineering solutions to clients around the world, with have a long history of designing and developing industrial facilities and process plants for the production of fuels, chemicals and polymers. With core technical skills focused around the development and design of a range of processes, we continually embrace new technologies and innovative project methodologies which have contributed to our success in this field. Our full-service offering covers all Engineering discipline including Process, Mechanical (Machinery/Vessels), Piping and Pipe Stressing, Plant Layout, Electrical, Control & Instrumentation, and Civil & Structural. Our engineering services expertise includes:

- Concept Development - feasibility, cost estimates, front end design, basic engineering
- Detailed Design - multidisciplinary integrated design of petrochemical plants to IFC; Use of HVEC and specialist design partners, site operational troubleshooting and consultancy Owner's Engineer - Project Management, contractor evaluation, due diligence, technical reviews.
- Owner's Engineer - Project Management, contractor evaluation, due diligence, technical reviews
- Safety Critical Engineering - SIL/LOPA, relief systems, HAZOP chair, thermal and vibrational stress analysis, design for high pressure / toxic / corrosive service

### **BENEFITS AND FEATURES**

- ✓ Full Benefits Package – health, dental, vision insurance.
- ✓ Company paid short & long-term disability and life insurance
- ✓ Flexible Spending Plans, Education Reimbursement, Dependent Care Spending Plan
- ✓ 401K Retirement Plan
- ✓ Hybrid Work Schedule Options

### **YOUR ROLE WITH THE COMPANY:**

- This position reports directly to the Global Engineering Manager Brian Cornah. [<https://www.linkedin.com/in/brian-cornah-83883212/>]
- Work with other Principal Civil and Structural Engineers and Global Lead to ensure the organization retains and develops the key skills and knowledge for continued success.
- Coordinate, influence and lead the activities of the discipline engineering team.
- Promote a team environment of mutual respect with open communication, celebration of success and provide frequent positive reinforcement.

<b>ECI GROUP</b>
<b>FOR MORE INFORMATION CONTACT:</b> <b><i>Kathryn "Kate" Wilhelm, PE</i></b> <b><i>Director of Global Recruitment</i></b> <b><i>985 264 6709</i></b> <a href="mailto:kwilhelm@ecigrouponline.com">kwilhelm@ecigrouponline.com</a>

- Prepare engineering deliverables in accordance with Company Management System, current legislation, project requirements and international standards. Check deliverables produced by others.
- Manage the scope of engineering work to eliminate cost / time growth.
- Identify any project scope growth and correctly document it and apply the project procedures for cost and time reimbursement. Commercial awareness of the impact of changes in scope, budget and schedule overruns.
- Manage scope, budgets and schedules as required.
- Identify and communicate cost reduction and schedule improvement opportunities.
- Identify project risk and address risk mitigation measures.
- Identify, communicate, and implement cost reduction and schedule improvement opportunities.
- Seek to improve project and team efficiency so as to improve upon budget and schedule while retaining technical quality and safety.
- Provide technical information in support of the project team.
- Comply with the Company Management System and QHSE requirements
- Implement assigned engineering work within the budget and project timescale.
- Attend technical design/project reviews to ensure compliance with customers' needs and QHSE requirements.
- Ability to work as part of a group and on individual tasks within a larger team. Have the ability to lead large teams of multi-skilled engineers.
- Identify and present training and learning opportunities (both individual and departmental) for consideration.
- Understand customer needs and ensure that they are being satisfied.
- Active communication with all customers to promote clear understanding.
- Develop good customer relationships (internal and external).
- The role will interface with other internal engineering disciplines as well as external project team members such as the client, fabricator and site contractor representatives.
- Provide mentorship to younger/junior engineers within the organization.
- Provide input into the selection and recruitment of new staff to meet the business needs.

COMMUNITY INFORMATION:

- ✓ Baton Rouge is the 2<sup>nd</sup> largest metropolitan area in Louisiana and is a hub for major industrial, petrochemical, medical, research and motion picture and growing technology center of the American South.
- ✓ The home to LSU, the Port of Greater Baton Rouge (10<sup>th</sup> largest in terms of tonnage shipped)
- ✓ Located just 79 miles from New Orleans two professional sports teams (Saints - NFL, Pelicans - NBA) and New Orleans' world-renowned distinct music, Creole cuisine, unique dialect, and its annual celebrations and festivals, most notably Mardi Gras.
- ✓ ECI Group's Corporate office is conveniently located off the I-12 and Sherwood Forest Blvd S. exit.



#### BACKGROUND PROFILE:

- Bachelor's Degree Civil or Structural Engineering is required.
- Licensed as a Professional Engineer in LA or TX (both are preferred)
- 15 years of experience engineering structures and foundations for industrial equipment and piping.
- At least 10 years of experience in various Civil and Structural engineering, operations or other technical roles with at least 5 years of experience in a multidisciplinary petrochemical design environment.
- Creative problem definition and problem-solving skills.
- Self-motivated and capable of delivering high-quality work with little/no supervision guidance.
- Up-to date knowledge of civil and structural international standards applicable to petrochemical process plants. Familiarity and experience with the following codes or later versions: AISC 14th edition, ACI 318-08, ASCE 7-10, NFPA 101 2012, IBC 2012.
- Working knowledge of foundations and structures for fixed and rotating equipment.
- Up-to date knowledge of key Civil and Structural design and engineering techniques and their applications.
- Good command of, and experience with, industry standard visualization and calculation tools (e.g. Navis works / STAAD Pro / RAM Elements / MathCaD / SAP 2000 / Tekla/ and other Bentley engineering software etc.).
- Work effectively with other disciplines to proactively communicate technical needs (loads, mounting geometry, etc.) and provide for their technical requirements (access, clearances, etc.)
- Experience checking/reviewing drawings developed under your direction
- Excellent technical and non-technical communication skills, both written and oral.
- Good command of MS Office applications.
- Must be capable of working a part of a close-knit small core team as well as being self-reliant with the confidence to make decisions acting on their own initiative.
- Organized with the ability to support multiple concurrent projects.
- Accountable, confident, bright, articulate, innovative, highly motivated, and self-starter with a high energy level that performs with the highest integrity.
- Comfortable with occasional opportunities for international travel.

#### Preferred Skills

- 15+ years of experience in various Civil and Structural engineering, operations or other technical roles with at least 10 years of experience in a multidisciplinary petrochemical design environment.
- Experience in civil and structural design for plastic plants (e.g. LDPE, LLDPE, HPDE).
- High pressure (>300 barg) experience, including foundations and structures with large reciprocating machinery and significant dynamic loading.

#### COMPENSATION:

- ✓ Competitive Based on Experience