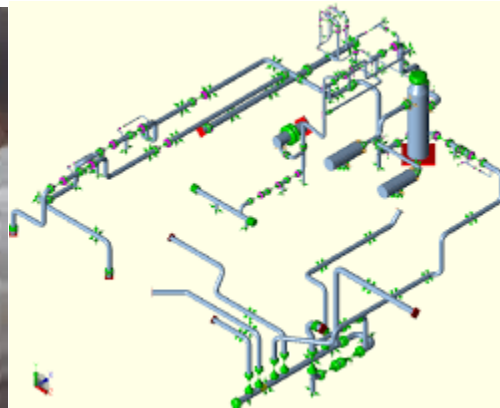




## Position Profile : 2203

Senior Piping Engineer | Stress Analysis  
BATON ROUGE, LA



Prepared By: **ECIG**

This position profile has been compiled by ECIG to identify and hire for the specified role. The following is provided for your personal information and should be kept confidential.



## Senior Piping Engineer | Stress Analysis [2203]

The world's leading specialist engineering contractor for low-density polyethylene (LDPE) and ethylene vinyl acetate (EVA) projects has an immediate need for a **Senior Piping Engineer | Stress Analysis** to be responsible for performing & checking pipe stress analysis activities, lead teams on smaller jobs, performing stress calculations and working with Global lead to develop company standards and tools.

**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 – hazard studies, FEA, DCS/SIS, flare systems, as-built drawings
- 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

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

- This position reports directly to the Piping Engineering Section Leader Shaunda White, P.Eng. [<https://www.linkedin.com/in/shaunda-white-7bb55380/>]
- Prepare Basic & Complex engineering deliverables in accordance with Company Management Systems, current legislation, Design Codes (ASME B31.3, ASME VIII, etc.) and relevant international standards.
- Check Basic & Complex engineering deliverables produced by others in accordance with Company Management System against current legislation, Design Code (ASME B31.3, ASME VIII, etc.) and relevant International Standards.
- Provide technical information in support of the project team.
- Attend technical design/project reviews to ensure compliance with customers' needs and QHSE requirements.
- Expand and maintain knowledge of the latest standards, legislation, products, and practices relating to the relevant engineering discipline to reinforce professional competency

#### ECI GROUP

FOR MORE INFORMATION CONTACT:

**Kathryn "Kate" Wilhelm, PE**

*Director of Global Recruitment*

**985 264 6709**

[kwilhelm@ecigrouponline.com](mailto:kwilhelm@ecigrouponline.com)

- Implement assigned engineering work within the budget and project timescale
- Commercial awareness of the impact of changes in scope, budget, and schedule overruns.
- Manage scope, budgets and schedules on small projects as required.
- Comply with the Company Management System and QHSE requirements
- Identify and present training and learning opportunities (both individual and departmental) for consideration.

#### **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 Mechanical Engineering and PE License in Texas and Louisiana required.
- 10+ yrs of related experience in engineering design of oil & gas, petrochemical or plastics plants
- Experience in stressing jacketed piping systems, vibrating | pulsating pipework [connected to reciprocating machinery), wind loading | seismic calculations etc.
- Extensive & detailed knowledge and experience with Caesar II.
- ASME B31.3 Chapter IX High Pressure Piping experience preferred.
- Detail-oriented with strong analytical skills.
- General understanding of the entire cradle to grave workflow for an EPC Project, interdepartmental dependencies, recognition of the importance of TIC rather than individual constituents that make up the whole.
- 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.
- Knowledge and understanding of industry codes, product safety standards, regulations, etc.
- Comfortable with occasional opportunities for international travel.

#### **COMPENSATION:**

Excellent Compensation Packages based on Experience and Education.