

Position Profile: 2202

Senior Rotating Equipment Mechanical Design Engineer

BATON ROUGE, LA



Prepared By: **ECIG**

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Senior Rotating Equipment Mechanical Design Engineer [2202]

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 Rotating Equipment Mechanical Design Engineer** who will be responsible for design and specification of rotating equipment [compressors, pumps, etc.].

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 on 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 Mechanical Engineering Section Leader Dean Guidry, P.E. [<https://www.linkedin.com/in/dean-guidry-p-e-bab26511/>]
- Lead mechanical engineer tasks such as manhour estimation, on project recruitment, progress tracking and reporting, leading a team of engineers.
- Develop equipment specifications and become knowledgeable on the equipment necessary for each project.
- Prepare and check technical inquiry documents (requisitions, datasheets/specifications, etc)
- Review supplier technical quotes and prepare technical bid analysis
- Update inquiry documents to order
- Attend/run post order kick off meetings
- Review supplier design documents and coordinate with equipment supplier
- Travel to witness inspections
- Attend kick-off meetings or attend client sites.
- The role will interface with other internal engineering disciplines as well as external project team members such as the client or license provider.

ECI GROUP
FOR MORE INFORMATION CONTACT: Kathryn "Kate" Wilhelm, PE Director of Global Recruitment 985 264 6709 kwilhelm@ecigrouponline.com

COMMUNITY INFORMATION:

- ✓ Baton Rouge is the 2nd 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 (10th 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 is required.
- PE License Required in Texas and Louisiana
- 10+ years of related experience in engineering design of oil & gas, petrochemical or plastics plants
- API 618 Reciprocating Compressors and API 674 and API 675 Positive Displacement Pumps experience preferred
- Experience with other Machinery/packages such as Thermal oxidizers, Pneumatic conveying systems, Extruder/pelletizers, and other types of packaged equipment preferred • Preferred experience in the high -pressure LDPE (Low Density Polyethylene process)
- 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:

- ✓ Competitive Based on Experience