

Position Profile: 2217

Senior Mechanical Engineer | Stationary Equipment Manchester UK



Prepared By: *ECIG*

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Senior Mechanical Engineer | Stationary Equipment [2217]

The world’s leading specialist engineering contractor for low-density polyethylene (LDPE) and ethylene vinyl acetate (EVA) projects has an immediate a need for a **Senior Mechanical Engineer | Stationary Equipment Engineer** experienced primarily in stationary equipment [pressure vessels, heat exchangers, 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 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
- Safety Critical Engineering - SIL/LOPA, relief systems, HAZOP chair, thermal and vibrational stress analysis, design for high pressure / toxic / corrosive service

BENEFITS AND FEATURES

- ✓ Pension Plan Benefits with Company Match up to 8% based on Employee Contributions.
- ✓ Life Insurance 3 times Base Salary
- ✓ 25 days of annual leave in addition to Bank Holidays
- ✓ Health Cash Plan
- ✓ Sick Pay
- ✓ Educational Sponsorships Available
- ✓ Ability to purchase additional Holidays
- ✓ Ability to earn flexible days
- ✓ Hybrid Work Schedules
- ✓ Private Health Plans Available for eligible staff

YOUR ROLE WITH THE COMPANY:

This position reports directly to the Mechanical Engineering Section Leader. In this role you will have the potential to become the company focal point for all static, pressure-containing equipment aspects within the company. As part of this role, the successful candidate would:

- Prepare and check technical inquiry documents (requisitions, datasheets/specifications, etc)
- Review supplier technical quotes
- 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
- Occasional worldwide travel to witness inspections, attend kick-off meetings or attend client sites.
- Lead Mechanical Engineer tasks such as manhour estimation, on project recruitment, progress tracking and reporting, leading a team of engineers

ECI GROUP

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- The role will interface with other internal engineering disciplines as well as external project team members such as the client or license provider.

COMMUNITY INFORMATION:

- ✓ Manchester is the most-populous city and metropolitan borough in North West England and Greater Manchester, England.
- ✓ The city has the country's fifth-largest population at 547,627 lying within the United Kingdom's second-most populous urban area with a population of 2.7 million and the third most-populous county at around 2.8 million.
- ✓ ECI Group | Simon Carves Engineering office is conveniently located near the Manchester International Airport.



BACKGROUND PROFILE:

- Bachelor's Degree Mechanical Engineering is required.
- Chartered Engineer
- 10+ years of related experience in engineering design of oil & gas, petrochemical or plastics plants
- ASME Section VIII, Division 2 High Pressure Experience Preferred
- Knowledge of ASME VIII div 3 and other codes / regulations preferred not essential (AD Mekblatt, EN13445, EU PED etc)
- Knowledge of FEA analysis and fitness for service assessments such as API 579 would be of interest but not essential
- 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.
- Experience with other Machinery/packages such as Thermal oxidizers, Pneumatic conveying systems, Extruder/pelletizers, and other types of packaged equipment would also be of interest (but is not mandatory).
- Experience in the high -pressure LDPE (Low Density Polyethylene process) would also be of interest (but is not mandatory).
- Material selection knowledge and familiarity with international codes for steel types used in the petrochemical sector required, familiarity with high strength steels preferred.
- Knowledge of thermal rating for heat exchangers would be of interest but not essential.

COMPENSATION:

- ✓ Competitive Based on Experience