



## Position Profile: 2205

Process Engineer  
Manchester, UK



Prepared By: **ECIG**

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## Process Engineer [2205]

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 **Process Engineer** to manage the engineering work processes, tools, and the quality of the engineering deliverables and to execute the assigned engineering work ensuring that it is executed in a timely and cost effective manner. The role will involve leading teams on larger jobs and also managing smaller consultancy, feasibility studies as required in the ECI Inc. [Simon Carves Engineering] Manchester office.

**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**

- ✓ 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
- ✓ Private Health Plans Available for eligible staff
- ✓ Educational Sponsorships Available
- ✓ Ability to purchase additional Holidays
- ✓ Ability to earn flexible days
- ✓ Hybrid Work Schedules

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

- Provide active oversight of project engineering work including technical support, technical quality assurance, technical design/project reviews and prevention of over design. Implement lessons learned across projects and contribute to consistency of approach across projects.
- Work with other Principal Process Engineers and Global Lead to integrate and develop a common understanding and work practice across multiple locations.

**ECI GROUP**

**FOR MORE INFORMATION CONTACT:**  
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- When required act as Project manager or Lead engineer on specified projects / proposals in accordance with Company Management System.
- Implement assigned engineering work within the budget and project timescale.
- Prepare engineering deliverables in accordance with Company Management System, current legislation, project requirements and international standards. Check deliverables produced by others.
- Apply in-depth knowledge to resolve complex or unusual engineering and design problems.
- Provide technical information in support of the project team.
- Attend technical design/project reviews to ensure compliance with customer's needs and QHSE requirements.
- Participate in the development of project engineering budgets and schedules.
- Identify lessons learned from the project and communicate to 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

- 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.
- 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.

#### Customer

- Recognize Business development opportunities and identify them to the Management team.
- Ensure discipline support to project manager, as well as timely cross discipline support.
- 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).

#### Internal

*Other Engineering Discipline Engineers*  
*Project Control Engineers*  
*Project/Proposal Managers*  
*Purchasing*

*Business Development*  
*Non-Technical Disciplines (e.g. Project Finance, HR)*

#### External

*Client (Project manager / engineers)*  
*Equipment Vendor Representatives*

*Subcontractor Representatives*

### Technical Knowledge

- Maintain knowledge of the latest standards, legislation, products and practices relating to the relevant engineering discipline to reinforce professional competency.
  - Identify and present training and learning opportunities (both individual and departmental) for consideration.
  - Work with other Principal Process Engineers and Global Lead to ensure the organization retains and develops the key skills and knowledge for continued success.
  - Provide mentorship to younger/junior engineers within the organization.
  - Provide input into the selection and recruitment of new staff to meet the business needs. 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.

### 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 Chemical Engineering is required.
- Chartered Engineer,
- 5-10+ years of experience in various process engineering, operations or other technical roles with at minimum of 5 years in a multidisciplinary petrochemical design environment.
- 5-10 years of experience with LLDPE and HDPE technologies/licenses preferred
- Good command of, and experience with, industry standard process simulation tools (e.g. Aspen EDR/Plus/HYSYS etc.).
- Site experience (e.g. operations, commissioning, process optimization, debottlenecking etc.).
- Up-to date knowledge of key process design and engineering techniques and their applications.
- Up-to date knowledge of relevant international standards for petrochemical process plants.
- Creative problem definition and problem-solving skills.
- Excellent technical and non-technical communication skills, both written and oral.



- Ability to lead large teams of multi-skilled engineers. 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.
- Working knowledge of fixed and rotating equipment.
- Organized with the ability to support multiple concurrent projects.
- Knowledge and understanding of industry codes, product safety standards, regulations, etc. Comfortable with occasional opportunities for international travel.
- Membership of a relevant Institute (e.g. AIChE, IChemE etc.).

**COMPENSATION:**

- ✓ Competitive Based on Experience
- ✓ PTO