



Role: Senior Design Engineer Mechanical – Compressors (x2)

Area: AAI Asset Delivery

Sub-Area: Design Delivery

Location: Dublin/Cork

Salary: Competitive

Duration: 3 Year Fixed Term **Ref:** GNI960

Gas Networks Ireland operates and maintains Ireland's €3bn, 14,725km national gas network, which is considered one of the safest and most modern renewables-ready gas networks in the world.

Almost 725,000 Irish homes and businesses trust Ireland's gas network to provide efficient and reliable energy to meet their heating, cooking, manufacturing and transport needs.

The gas network is the cornerstone of Ireland's energy system, securely supplying more than 30% of Ireland's total energy and over 40% of the country's electricity generation.

Gas Networks Ireland is aiming to deliver a repurposed, resized and fully decarbonised gas network by 2045. Its "Pathway to a Net Zero Carbon Network" envisions transforming the existing gas network into two separate systems carrying 100% renewable gas, one dedicated to biomethane and the other to green hydrogen, with the potential to carry approximately 30% biomethane and 70% green hydrogen, as well as offering significant long term energy export opportunities.

Gas Networks Ireland is an organisation with a very strong legacy and a culture founded on pride in our purpose, to keep Ireland's energy moving, and commitment to our vision, to be at the heart of Ireland's energy future. Our organisational values demonstrate what is important across the organisation including building on our experience across our organisation to build towards our sustainable future, doing what's right for each other and for the people and communities that we serve and finally energised for the change of our future towards a renewable energy landscape. Throughout your career in Gas Networks Ireland, you will be part of an organisation that has a strong commitment to supporting and developing our workforce today and into the future. You will also have an opportunity to get involved in our ambitious iBelong programme ensuring a diverse, equitable and inclusive environment for us all to thrive. Finally, our Time to Talk Mental Health programme and our wellbeing initiatives ensure we provide support across many areas as you work in our organisation.

Gas Networks Ireland is now seeking to appoint two Senior Design Engineers to primarily work on the design and integration of electric machine drive compressor projects. However, flexibility and the willingness to work on other compressor projects may be necessary.

The Role:

The Design Delivery function within Gas Networks Ireland is responsible for producing detailed designs and identifying work prerequisites including material requirements. Design Delivery utilise business partners such as engineering service providers or contracting entities to support the delivery of the design programme.

Gas Networks Ireland has pledged to reduce Green House Gas Emissions by 50% by 2030. A key aspect to this pledge is the addition of Electric Machine Driven (EMD) Compressors in Scotland to provide compression for our gas network replacing the existing gas fired compressors. Working within the Design Delivery function and reporting to the Design Delivery Lead – SWSOS Decarbonisation, the Senior Design Engineer will work on Gas Networks Ireland's Decarbonisation Projects in Scotland and will have responsibility for the detailed design of the Electric Machine Drive Compressors and associated components such as suction and discharge pipework, coolers, metering etc. The Senior Design Engineer will manage the mechanical design of the EMD and also input into the technical aspects of the tendering process. The successful candidate will maintain levels of expertise ensuring engineering excellence through the engineering design process. All design work whether completed in house or by approved entities follows the requirements of GNI's Engineering Design Manual. The Senior Design Engineer will work closely with other Senior Designers to ensure alignment of the design process, procedures, methodology to ensure consistency of design across the gas network.

Duties and Responsibilities:

Oversee a team of seconded engineers and engineering service providers to deliver the design of the decarbonisation capital works to meet programme timelines.

- Managing the design in accordance with the Engineering Design Manual.
- Develop specifications for materials for tender documents, provide technical input to the procurement process, tender clarifications with vendors and set out design requirements for contract documents.
- Manage and attend factory acceptance testing or site acceptance testing for materials
- Provide technical design support to design engineers developing and maintaining internal engineering design competence.
- Review, validation, appraise, challenge and ultimately accept designs where designs are outsourced ensuring compliance with industry standards.
- Lead innovation within design incorporating best practice engineering.
- Manage the associated HAZIDs/HAZOPs including recording risks on the internal risk management system, functional safety, safety integrity levels etc.
- Ensure all design documentation is fully and accurately completed, loaded onto Sharepoint system, appropriate procedures and controls are in place ensuring compliance with the design process.
- Support sustainability where reasonable within the design process e.g. materials.
- Contributing to the continuous improvement of internal design processes and procedures including ISO: 9000 in the design environment and attending audits.
- Lead and ensure alignment across design with other Senior Design Engineers within the design team e.g. knowledge sharing, and lessons learned from projects.
- Performing other duties as assigned from time to time.
- The role will involve oversight of programmes of work that will be delivered in Scotland requiring regular travel to site.

Knowledge, Skills and Experience:

- Degree in Engineering (Level 8) with a minimum of five years design engineering experience, preferably in the natural gas industry.
- Working knowledge of Construction and H&S regulations, risk management practice e.g. hazard identification & design risk assessment.
- Knowledge of HAZOP/HAZID/HAZCON, Functional Safety, Layers of Protection Analysis (LOPA), ALARP principles.

- Working knowledge of relevant Gas Standards, Codes of Practice. Awareness of statutory requirements.
- Knowledge of public & utility procurement.
- Proven track record with dealing with complex issues, problem solving, in a timely fashion, along with the ability to communicate complex information to others.
- Ability to set own high standards of performance and delivering desired results.
- Proactively identifying new areas of learning and using newly gained knowledge and skill on the job.
- Driver of high standards for individual, team and organisational accomplishment and delivering desired results.
- Enthusiastic self-starter with a proactive approach to problem solving and process development.
- Technical proficiency in process design and pressure equipment specification.

Applications, including current Curriculum Vitae, should be emailed to the following address stating the job title and reference number in the subject line of your email: recruit@gasnetworks.ie

The closing date for receipt of applications for this vacancy is the

24th September 2025

Please note that applications submitted after this closing date will not be accepted.

Gas Networks Ireland is an equal opportunities employer

We are committed to providing a diverse and inclusive place of work and have a robust strategy and framework called ibelong to enable this. We are an equal opportunity employer and through our recruitment process we welcome and encourage applications from interested and suitably qualified individuals regardless of gender, age, racial or ethnic origin, membership of the traveller community, religion or beliefs, family or civil status, sexual orientation/gender identity or disability.

GNI will only hold your data for as long as necessary. By providing a CV to GNI you are agreeing for GNI to process this information about you. If you have any question about how GNI processes your data please see our Privacy Notice. If you have further questions, you can contact us at dataprotection@gasnetworks.ie