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**Role:** Design Engineer C&I – Compressors & Renewable Gas

**Area:** AAI Asset Delivery

**Sub-Area:** Design Delivery

**Location:** Dublin/Cork

**Salary:** Competitive

**Duration:** 3 Year Fixed Term **Ref:** GNI925

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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 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 a **Design Engineer, Electrical, Control and Instrumentation (E,C&I)** to primarily work on the design of renewable natural gas projects. However, flexibility and the willingness to work on other projects e.g., Compressors, CNG/RNG automotive refuelling facilities, as business needs dictate will be necessary.

### **The Role:**

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The Asset Delivery function within Gas Networks Ireland is responsible for the end-to-end planning, designing and delivery of GNI's portfolio of asset development programmes. Encompassing the three pillars of Project Delivery Management, Design Delivery and Project

Services; the Asset Delivery function brings together all the technical and project support capabilities needed to take high-level projects and programmes from the Portfolio Office and translate these through from detailed design and planning, to construction delivery and handover to Asset Operations.

Reporting to the Senior Design Engineer – Compressors & Renewable Gas, the Design Engineer Electrical, Control and Instrumentation (E,C&I) will primarily have responsibility for the preliminary and detailed design of biogas and renewable gas connections, additional responsibilities may include capital and operational projects for price control (refurbishment, replacement, maintenance, upgrades) of pipelines, above ground installations, CNG, Biomethane and compressors across the gas network. The Design Engineer will manage the design element of projects (end to end) and outsourced engineering providers ensuring a high-quality design service is delivered within Design Delivery. The successful candidate will have the ability to effectively diagnose technical issues and have knowledge of gas related process design. The Design Engineer E,C&I will work closely with other discipline Design Engineers, outsourced partners and the technical assurance function to ensure the end to end design process is aligned to meet the overall project and programme timelines within Design Delivery.

### **Duties and Responsibilities:**

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- Design projects from first principles, ability to complete design calculations in relation to gas standards, hazardous area calculations, utilise engineering service providers (ESP's) and technical specialists to deliver design aspects of capital connections.
- Design new biogas and/or renewable gas connections to the network where the design is performed internally within GNI. Where the design is outsourced, provide comment on the design review process and review residual design risks for sign off.
- Support the design process in accordance with the Engineering Design Manual, including design review, design deviation process, material inspections, tender document preparation, network modifications, pressure reducing installations, ATEX etc. across the network.
- Support the design process to drive an outsources hybrid design model to flex design capacity to meet renewable gas connections and programme timelines.
- Support the continuous improvement of the design process tailoring material enquiry process to implement hybrid design process
- Attend Factory Acceptance Testing and document learnings on projects and present to the wider design teams
- Develop processes and procedures for materials guidance document for ESP's, contribute towards driving efficiencies within the design process.
- Ensure all design documentation is fully and accurately completed, develop appropriate procedures to ensure compliance with regulatory controls, where required.
- Contribute to the continuous improvement of internal operational processes and procedures including ISO 9000 in the Design environment.
- Drive sustainability within the design process e.g., materials etc.
- Co-ordination of specialist technical services and third-party resources as part of the design process to meet renewable gas connection timelines.
- Support Senior Design Engineers as required within the Design Delivery process.
- Comply with appropriate controls and conditions for environmental, planning or other statutory conditions, mitigations as part of any consenting process.
- Contribute to the ongoing competency initiative within Design Delivery.
- Ensure a robust process is in place in terms of design documentation for each programme or project from a design delivery perspective.
- Support and facilitate enablement of cyber security within the design process.

- Support the completion of HAZID or HAZOP including recording risks on the internal risk management system, functional safety, safety integrity levels etc.
- Support the organisation to maintain continuity of E,C&I material & service framework agreements, provision of pre-tender technical requirements, evaluation & award.
- Performing other duties as assigned from time to time.

### **Knowledge, Skills and Experience:**

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- Degree in Electrical, Electronic or Instrumentation Engineering (Level 8)
- 3 years' post graduate experience in an engineering role is essential, preferably in the natural gas industry.
- Technical proficiency in electrical, control & instrumentation, cathodic protection, design, asset selection & specification.
- Competent in electrical Installation design & explosive atmospheres, ATEX equipment selection, installation, inspection & testing. Working knowledge of hazardous area classification.
- Working knowledge of remote telemetry, SCADA system architecture and industrial data communications.
- Experience of working within teams and across virtual teams to deliver on shared goals and objectives.
- Knowledge of the engineering design process and an understanding of process safety in the application of designs.
- Excellent interpersonal and leadership skills and the ability to influence, advocate and persuade.
- An understanding and the awareness of the need to manage relationships between clients, vendors and regulators.
- Capable of applying judgment and decision-making capabilities to achieve common goals.
- Ability to set up ongoing procedures to collect and review information as needed.
- Knowledge of Process Hazard Analysis (PHA), 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.
- Proactively identifying new areas of learning and using newly gained knowledge and skill on the job.
- Ability to set own high standards of performance and delivering desired results.

**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](mailto:recruit@gasnetworks.ie)**

The closing date for receipt of applications for this vacancy is the  
**16<sup>th</sup> of July 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](mailto:DataProtection@gasnetworks.ie)*