



Role: Senior Hydrogen Engineer
Area: Business Development
Sub-Area: Hydrogen Programme
Location: Cork/ Dublin
Salary: Competitive

Duration: 2 Year Fixed Term

Ref: GNI999

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.

The Role:

Reporting to the Technical Manager – Hydrogen Programme, the Senior Hydrogen Engineer is responsible for supporting the demonstration of network readiness and the delivery of demonstration projects related to the hydrogen programme for Gas Networks Ireland. The position involves collaboration with other business units and external stakeholders to ensure all technical and safety considerations associated with hydrogen demonstration projects, both on and off the network, are identified, addressed, and delivered systematically.

The Senior Hydrogen Engineer will lead the hydrogen innovation research programme by managing projects, developing solutions, building business cases, collaborating with external partners and policymakers to advance hydrogen safety and provide supporting evidence. The jobholder will work closely with the Innovation Delivery Team to ensure a coordinated and effective use of resources through the Brownsbarn Network Innovation Centre. Due to this

close working relationship with the Innovation Delivery Team and the Brownsbarn Network Innovation Centre, it is expected that the jobholder may need to work out of the Brownsbarn campus as required to facilitate aspects of project delivery.

Duties and Responsibilities:

Project Management & Delivery:

- Manage and deliver hydrogen demonstration and research projects, ensuring safety throughout the project is priority and working closely with the GNI Health and Safety teams to ensure all safety related matters are comprehensively assessed.
- Implement the Hydrogen innovation programme, contributing to the development of innovative solutions, research and business cases
- Ensure all technical and safety aspects related to the injection, transportation, and storage of hydrogen on the network or demonstration projects are considered and comprehensively addressed
- Develop technical documentation and reports to support project delivery and safety case submissions including developing a robust documentation management system for hydrogen

Stakeholder Management:

- Collaborate with relevant external bodies, organisations, and policymakers to advance the hydrogen programme and develop necessary evidence for the hydrogen safety case
- Build relationships with internal teams and external stakeholders to help deliver hydrogen projects, representing GNI on external groups, projects and initiatives as needed

Other Duties:

- Stay updated on emerging industry best practices, gas standards, codes of practice, and statutory requirements relevant to hydrogen projects
- Make active contribution and actively collaborate with the Hydrogen Programme team and its strategic objectives

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Knowledge, Skills and Experience:

- Degree in Engineering (Level 8) with a minimum of five (5) years engineering experience, preferably in the natural gas, hydrogen or similar industry
- Have a working knowledge of H&S standards and risk management systems e.g. Design risk assessment, HAZID/ HAZOP/ HAZCON, LOPA, QRA, ALARP principles, FMEA
- Technical proficiency in process design and pressure equipment specification
- Strong analytical and commercial acumen with high level of computer literacy
- Strong subject matter knowledge of hydrogen including the emerging industry best practice is an advantage
- Knowledge of relevant Gas Standards, Codes of Practice and Statutory Requirements would be an advantage
- Enthusiastic self-starter with a proactive approach to problem solving and process development
- Experience with identifying improvement opportunities, generating ideas and implementing solutions
- Excellent interpersonal and leadership skills and the ability to influence, advocate and persuade

- Strong stakeholder management experience at all levels to succeed in achieving mutually beneficial objectives
- Ability to set high standards, by encouraging others to assume responsibility and accountability for tasks
- Ability to set up ongoing procedures to collect and review information as needed
- Proactively identifying new areas of learning and using newly gained knowledge and skill on the job
- Provide coaching in the development of technical skills and abilities in others
- Proven track record with dealing with complex issues, problem solving, in a timely fashion, along with the ability to communicate complex information to others

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 3rd December 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