

Job Title	Graduate Gas Pipeline and Infrastructure Designer
Department	Capital Delivery
Reports to	Senior Technical Manager
Grade	Graduate
Purpose & Overview	To support the design, assessment, and modification of natural gas pipelines and associated station infrastructure in accordance with UK standards and regulations. This Trainee / Graduate role offers hands-on experience in the energy sector with a focus on maintaining, upgrading, and adapting existing gas network assets to meet evolving operational and safety requirements.
Key Accountabilities	Within the role, you will work closely with colleagues within Capital Delivery/Pipelines and alongside internal and external stakeholders. You will learn how to assist and contribute towards the management of gas distribution assets in accordance with the WWU Management System and Safety Case, including the: • Assist with the preparation and review of technical drawings, design calculations, and documentation for pipeline and station modification projects. • Work alongside experienced engineers to assess the condition of existing pipeline systems and recommend upgrades or changes. • Participate in site surveys, data collection, and as-built verifications. • Support the preparation of construction and engineering deliverables, including General Arrangement (GA) drawings, P&IDs, and isometrics. • Learn and apply relevant UK codes and standards, such as IGEM, G/17, and CDM Regulations. • Collaborate with multidisciplinary teams including civil, mechanical, and electrical engineers. • Help to ensure designs are safe, cost-effective, and compliant with environmental and health and safety regulations. • Engage in training and development to build knowledge in pipeline routing, station layout, stress analysis, and material selection.

	• Assist with the preparation of permit applications, risk assessments, and method statements for modification works. • Delivery of the continual improvement in management of gas distribution assets to deliver a safe, reliable gas network at the least whole life cost. • Support of the delivery of the annual maintenance plan and associated delivery programmes. • Financial planning and reporting to internal and external stakeholders. • Work on the development of policy and procedures to maintain continued compliance with legislation through regulatory change. • Building effective working relationships through collaborative practices.
Technical Know-How & Skills	Essential: • Strong interest in the gas and energy infrastructure sector. • Willingness to learn and work in both office and site environments. • Is self-starting and performance focused. • Is dedicated to achieving your chartership whilst building a career in engineering or sustainability and environment. • Takes pride in work and is motivated to deliver high performance ensuring safe working practices. • Is a strong team player with excellent listening, communication, influencing and collaboration skills. Desirable: • Awareness of UK gas industry standards (e.g., IGEM/TD/1, IGEM/TD/13). • Knowledge of pipeline materials, stress analysis, or flow dynamics. • Previous internship or experience in utilities or infrastructure projects.
Qualifications	A motivated individual who has an interest in mechanical/gas/electrical/instrumentation engineering, that, as a guide: • Holds a 2:2 or higher (or expect to achieve a 2:2 or higher) in Mechanical Engineering, Construction Management, Civil Engineering, or other degree course accredited by the Institute of Gas Engineers and

	Managers, the institute of Mechanical Engineers, or the Institute of Engineering and Technology.. • Good understanding of technical drawing principles (AutoCAD or similar software is a plus).
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