

Job Title: Fire Engineer

Purpose: Nexus technical lead and asset steward for fire engineering matters across capital projects, maintenance, and operations. The Fire Engineer will ensure that Nexus assets – including buildings, rail infrastructure, and fleet, meet all relevant statutory, regulatory, and industry best-practice fire engineering standards. The Fire Engineer will work collaboratively with QHSSE and external stakeholders.



Safety Rating: TBC

Remuneration: Salary Band 5

1. Principal areas of responsibility

- 1.1 Support the Nexus Engineering team and the Principal Architect in carrying out their duties as the asset steward for Nexus fire engineering assets.
- 1.2 Act as the Nexus technical and key Nexus stakeholder and subject matter expert for fire engineering matters.
- 1.3 Act as the Nexus technical lead for fire engineering matters associated with Capital Programme projects, supporting and determining requirements for projects from conception, design, tendering, construction to handover.
- 1.4 Act as the Nexus technical lead for fire engineering matters associated with non-capital programme workstreams, maintenance, and operations, including the production and continually improving of standards.
- 1.5 Provide specialist fire engineering advice to internal and external stakeholders, including design teams, project managers, senior leadership, maintainers, consultants, and contractors.
- 1.6 Provide fire engineering related sign-off or acceptance where appropriate, whether project or non-project related.
- 1.7 Lead the review and updating of all Nexus Fire Strategies, ensuring they remain current, accurate, and compliant with evolving regulatory requirements and best practice.
- 1.8 Review all relevant Nexus fire safety information including but not limited to fire risk assessments, fire surveys, fire action plans, and provide guidance to QHSSE on the completion of this information.
- 1.9 Assess the current condition of fire engineering assets/ elements and provide lifecycle management of the fire engineering assets/ elements in accordance with ISO 55000 series and the Nexus Asset Management Policy.
- 1.10 Undertake and support audits/ inspections and other similar activities aimed at evaluating compliance of the assets against regulatory requirements, standards, and specifications.
- 1.11 Undertake and support investigations and post-incident reviews where fire engineering advice and expertise is required.
- 1.12 Provide fire engineering input as necessary during emergency incidents.
- 1.13 Work closely with QHSSE and other key stakeholders to ensure that Nexus complies with the appropriate regulatory requirements and best practice including but not limited to:
 - Regulatory Reform (Fire Safety Order)

- Building Regulations
 - British Standards
- 1.14 Work closely with QHSSE and other key Nexus stakeholders in the engagement and coordination of fire engineering matters with external stakeholders including but not limited to the Tyne & Wear Fire & Rescue Service and local authorities.
 - 1.15 Identify opportunities to innovate, trial, and adopt new fire engineering systems or processes, technologies, data, or methodologies, contributing to continuous improvement.
 - 1.16 Where applicable, lead the relevant engineering resource that is under your direct control whether internal or procured externally.
 - 1.17 Represent the Engineering team from a fire engineering perspective and cover the Principal Architect and/or the Head of Engineering when necessary.

2. Dimensions

2.1 Communications

- 2.1.1 Verbal and written communication with all levels of internal stakeholders.
- 2.1.2 Verbal and written communication with all levels of external stakeholders
- 2.1.2 Communicate complex fire engineering concepts clearly to non-technical stakeholders.
- 2.1.3 Communicate complex fire engineering concepts clearly to technical stakeholders.
- 2.1.4 Represent fire engineering in multi-disciplinary project meetings, non-project meetings, design reviews, safety working groups, and other applicable audiences.
- 2.1.5 Produce high-quality technical scopes, reports, specifications, standards, and other documentation as necessary.

2.2 Decision Making & Problem Solving

- 2.2.1 Provide technical input/ designs relating to fire engineering, balancing compliance, safety, asset lifecycle management, and operational need.
- 2.2.2 Interpret engineering data, standards, and regulations to recommend and determine practical solutions to both project and non-project items.
- 2.2.3 Determine the applicable regulatory requirements, standards, and best practice that Nexus are working to.

2.3 Initiative & Independence

- 2.3.1 Independently lead fire engineering decision-making within project and non-project environments, and across the asset base.
- 2.3.2 Independently lead the design and/or evaluation of existing and new fire engineering systems, considering innovation continually.
- 2.3.3 Develop and define maintenance, repair, and renewal specifications for the fire engineering discipline.

2.4 Resources

- 2.4.1 Utilise electronic tools, engineering software (where appropriate), and other engineering platforms to analyse, design, or modify fire engineering assets.
- 2.4.2 Utilise access to external resources including but not limited to British Standards portal, Accuris/ Information Handling Services to analyse, design, or modify fire engineering assets.

2.5 People

- 2.5.1 No direct line management responsibilities, but may oversee and direct external fire engineering consultants, or specialist contractors.

2.6 Health & Safety

- 2.6.1 Ensure fire engineering considerations are integrated into Nexus Health & safety systems, standards, procedures, processes and any other applicable documentation/ information.
- 2.6.2 Understand and follow the appropriate Nexus Rulebook, Safe Systems of Work, Risk Assessments, Method Statements, etc. and ensure correct usage of PPE where necessary.

3. Statutory Duties

- 3.1 Responsible for managing those elements of the safety management system allocated to Nexus Engineering and specially to the role of Engineer for the safe operation of Nexus assets, and associated project and non-project workstreams.
- 3.2 Responsible for carrying out duties and ensuring procedures and processes are in place to meet regulatory, legislative, and standard requirements for Nexus, ensuring Nexus are in line with industry best practice.
- 3.3 Maintain awareness of relevant safety publications.

Job Title	Fire Engineer
Job Evaluation date	
Grade	
Compiled by	
Validated by	

Document Change Log: Summary of document changes			
Date	Version	By	Summary of Changes
03/06/26	1.0	BB	First Issue

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