



Job Description

Post Title: Performance Engineer
Directorate: West Midlands Metro
Reports to: Safety and Assurance Manager
Direct Reports: 0

Key Relationships: WMM Director, WMM Metro Delivery Director, Head of Metro – Owner's Representative, WMM Infrastructure Manager, WMM Asset Manager, TfWM's other Directors, Midland Metro Limited (MML) (Operator and Maintainer) Management, Project and technical teams, WMCA's Health and Safety Manager, Office of Rail and Road (ORR), WMM's appointed "Competent Person" under ROGS

Location: Primary location will be WMCA office Summer Lane, Birmingham, with frequent visits to Wednesbury Depot.

Role Purpose

To assist the engineering, safety and asset management leads in the operational and strategic delivery of West Midlands Metro asset management. Provide engineering expertise on all West Midlands Metro matters with a focus on monitoring the engineering performance and maintenance activities of the operator and maintainer Midland Metro Limited (MML) to ensure West Midlands Combined Authority (WMCA) interests are protected and we have assurance that maintenance and construction practices are being followed safely.

You will ensure that the engineering function of MML is adhering to safety policies and procedures and proactively address any emerging safety risks. Ensuring WMCA has clear oversight of MML maintenance activities.

You will ensure the MMA are following their processes during the design and build of the extension projects.

You will audit maintenance activities and documentary evidence of works completed to assure WMCA senior management that works are completed to the correct standard and works completed in a timely manner, carrying out inspections of the West Midlands Metro infrastructure as required.

You will review and analyse asset performance data in order to support asset management approaches, and illustrate those to the executives.

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Responsibilities

- Obtain asset performance data from MML or MMA and analyse this data in order to identify trends and future maintenance interventions, ensuring the results are escalated to the Safety and Assurance and Asset Managers.
- Prepare technical briefs, identifying appropriate design standards and eliciting engineering requirements for renewals and enhancement works.
- Review tenders and proposals from contractors and evaluate technical aspects as requested.
- Escalate any safety critical matters that are identified and not closed out by the MMA or MML as appropriate to the Safety and Assurance Manager
- Conduct surveys and assessments to monitor the condition of the West Midlands Metro asset reporting the results back to the Asset Manager
- Undertake site visits across the Metro network to identify any defects and to address any urgent technical matters. Ensuring defects are properly reported and recorded and records maintained in order to ensure issues are tracked and closed out in a timely manner.
- Conduct audits of engineering activities using a schedule developed by the Safety and Assurance Manager, this will include process audits to ensure processes are followed, defects captured and closed out in a timely manner
- Undertake reviews/audits of design and/or construction activities, monitoring safety, environmental impacts and quality of design, construction, testing and commissioning activities, and ensuring that required management activities are adequate.
- Support the development of short, medium and long term maintenance and renewal plans
- Conduct checks of MML stock levels and raise any concerns with the Asset Manager.
- Support Metro projects with engineering input where required, including carrying out audits/site supervision of WMCA contracts
- As required review method statements, risk assessments, health and safety files, project documentation and handback information.
- Carry out regular audits of the MMA and MML Safety Management Systems following an audit schedule developed by the Safety and Assurance Manager.

Person Specification

<i>Please specify (X) whether the experience required is Essential (E) or Desirable (D)</i>			Assessment Method		
Experience	E	D	App*	Int**	Other***
Previous experience working in railway engineering/asset management role		X	*		
Experience of working with varied data sets and the ability to diagnose and provide insight into asset performance.	X		*		
Experience of conducting engineering audits.	X		*	*	
Ability to compile clear and concise technical and non-technical reports for a range of audiences.	X			*	
Experience of working effectively as part of a team and an equal ability to work effectively on own initiative, without close supervision	X			*	
Demonstrable experience of building relationships with and working effectively with contracted suppliers of services.	X			*	

Skills/Knowledge/Abilities	E	D	App	Int	Other
Proficient in Excel	X		*		
Data modelling with common programming languages, such as Excel VBA and/or Python		X	*	*	
Experience in Generative AI		X	*	*	
Ability to work with a number of stakeholders to ensure we reach required goals.	X		*		
Knowledge of light rail standards and guidance		X	*		
A customer focused approach - an understanding of, and appropriate response to, the expectations of the WMCA and external customers the role holder must work with.	X				
Methodical approach to auditing processes, procedures and practices.	X				
Experience working with Enterprise Asset Management systems		X			
Effective capture of stakeholder's requirements	X			*	
Qualifications/ Professional Memberships	E	D	App	Int	Other
Educated to HND or equivalent	X		*		
Educated to A-level standard or equivalent including A-C in GCSE English and Maths.	X		*		
Relevant qualifications for developing and carrying out audits.	X		*		

* Application

** Interview

*** Details will be shared at interview stage

Core Expectations

Our culture is underpinned by what we do and how we do it. Our behaviours outline the ways we need to work to deliver success, become truly inclusive, and make the organisation somewhere where everyone can give their best contribution.

Value	Competency	Behaviour
Collaborative	Team Focused	Works as part of team, managing and leading.

	Service Driven	Customer, resident and partner focussed.
Driven	Empowered & Accountable	Takes ownership and leads when needed.
	Performance Focused	Ambitious and going the extra mile.
Inclusive	'One Organisation' Mindset	Believe in each other's expertise.
	Open & Honest	We do what we say we are going to do.
Innovative	Forward Thinking	Embrace change and open to new possibilities.
	Problem Solving	Go for clear and simple whenever possible.

Health and Safety

All employees have a duty to take reasonable care for the health and safety of themselves and of other persons who may be affected by their acts or omissions at work; and co-operate with their employer so far as is necessary to enable it to successfully discharge its own responsibilities in relation to health and safety.

Equality and Diversity

To promote and champion equality and diversity in all aspects of the role

Learning and Development

To participate in and take responsibility of any learning and development required to carry out this role effectively.

Performance Management

To actively engage in the performance management process and take responsibility for managing performance outcomes.

GDPR (General Data Protection Regulation)

To ensure the reasonable and proportionate protection, processing, sharing and storing of WMCA information in accordance with the relevant legislation, corporate policies, and in the best interests of the data subjects (Data Protection/GDPR), the WMCA, our partners, and the West Midlands, in all aspects of the role.

Other

There may be a requirement to work outside normal office hours on occasion to meet work deadlines, give presentations, attend meetings etc., including a requirement to work within stakeholder and partner offices within the WMCA Constituent area on a regular basis.