

Role Profile

Job Title:	Electrical Engineer
Location:	Colindale – includes travel across Borough
Directorate:	Growth
Department:	Estates – Building Services
Grade:	Grade J
Salary Range:	£48,003 - £53,172
Reports to:	Principal Mechanical and Electrical (M&E) Engineer

1. Job Purpose:

The Electrical Engineer will provide technical expertise, design, maintenance oversight, compliance support and oversee electrical works to electrical systems across the organisation’s property portfolio.

The postholder will lead and support the development, design, governance and delivery of safe, compliant, low-carbon and cost-effective M&E solutions across the Council’s managed estate, ensuring alignment with the Council’s climate commitments, statutory obligations, and best practice engineering standards.

The role will contribute towards the council’s ambitions for the design of electrical systems that are low carbon. The post holder will be involved in modernising the electrical systems to be environmentally friendly and aligned with the London Borough of Barnet low carbon initiatives. The role will also have responsibility for external contractors and partners.

2. Key accountabilities:

- 2.1. To assist, advise, support, design and review electrical engineering solutions for the local authority’s managed estate.
- 2.2. Where the post holder is appropriately qualified and experienced, this may include advice, design, contract administration and support of mechanical engineering in addition to electrical engineering.
- 2.3. Support and advise the Local Authority on compliance, best practice and statutory compliance of electrical components.
- 2.4. To work within a multi-disciplinary technical team as the electrical engineer supporting the team, ensuring deadlines are met in line with realistic expectations in delivering electrical design, defect diagnosis reports, full specification of works/schedule of works, feasibility studies, condition surveys, budget costs, Contract Administration.

- 2.5. To carry out design works and feasibility studies.
- 2.6. To produce, manage and design of CAD Drawings for design works.
- 2.7. To lead and act in capacity of contract administrator (where appointed) undertaking regular site inspections and reports.
- 2.8. To develop and review detailed reports, specifications and briefs.
- 2.9. To review and advise on technical documentation.
- 2.10. To liaise with the client and other team members to ensure deliverables are met and value for money is provided.
- 2.11. To review contractual progress in line with client objectives and KPI's.
- 2.12. Attend and be available to be with team members on site.
- 2.13. To build and manage positive relationships with all stakeholders including elected Members, Third Sector organisations, public sector partners, tenants, developers, other landowners and client departments.
- 2.14. To ensure that all duties and responsibilities are performed in accordance with the Council's Policies and Procedures including Financial Regulations, Standing Orders, Personnel Policies and Procedures etc.
- 2.15. To keep up to date in developments and best practice in Electrical Engineering and construction, management and leadership and public sector policy.
- 2.16. To undertake any other tasks, duties and responsibilities as directed commensurate with the grade and role of the post.

3. Strategy and Design Principles

- 3.1. The role will contribute towards the council's ambitions for the design of mechanical and electrical systems that are low carbon utilising the following key principles:

Mechanical System Design

- Energy Efficiency: Use high-efficiency equipment
- Material Selection: Choose materials with low embodied carbon.
- Renewable Energy Integration: Incorporate renewable energy sources.
- Lifecycle Assessment: Conduct a lifecycle assessment (LCA).

Electrical System Design

- Smart Grids: Design systems that can integrate with smart grids to optimize energy.
- Energy Storage: Use energy storage solutions like batteries.
- Efficient Lighting: Implement LED lighting and other energy-efficient lighting solutions.

4. Contract Management:

- 4.1. Manage contracts with external service providers, including contractors responsible for contract works providing quality assurance, inspections, monitoring and administration of contracts.

- 4.2. Liaise with contractors and other external parties to resolve any issues or concerns.
- 4.3. Ensure that contracts are managed within budget, with appropriate monitoring of expenditure, in accordance with Council governance and that Value for Money (VFM) is consistently achieved.
- 4.4. To lead and act in capacity of contract administrator or Employer's Agent (where appointed) undertaking regular site inspections and reports.
- 4.5. To chair meetings, provide leadership take accountability and ensure actions from meetings are met (site meeting, construction sites and office meetings)
- 4.6. To review contractual progress in line with client objectives and KPI's.

5. Leadership:

- 5.1. Be part of a high performing team, driving forward council's mission and objectives, exemplifying the council's way, leading and communicating organisational change and playing an active role in the council's Wider Leadership Network.
- 5.2. Manage internal and external multi-disciplinary teams, drawing relevant skills and expertise from across the council to drive progress in complex, long term projects.
- 5.3. Effectively contribute to the management of the Managed Estate influencing and leading strategies for how the pipeline for mechanical and electrical works is prioritised and managed.

6. Change and Improvement:

- 6.1. To be part of the team in such a way that brings about positive change and improvement.
- 6.2. Assist in the development and implementation of policy, systems, processes, performance criteria governance frameworks and procedures within area of responsibility to meet strategic / operational requirements, internal and external reporting requirements and ensure compliance with external legislation and regulations.

7. Financial Responsibilities:

- 7.1. Provide technical and commercial oversight of projects, ensuring value for money, cost certainty, and effective risk management.
- 7.2. Manage and control budgets for electrical works projects.
- 7.3. Ensure value for money through appropriate procurement, cost control, and contractor management, balancing sustainability with affordability.
- 7.4. Adhere to the local authority's procurement rules, financial procedures and processes and any applicable legislation.

6. Promotion of Corporate Values

To ensure that customer care is maintained to the agreed standards according to the council's values. To ensure that a high level of confidentiality is maintained in all aspects of work. Our values:

Caring / Learning to Improve / Inclusive / Collaboration

7. Flexibility

In order to deliver the service effectively, a degree of flexibility is needed, and the post-holder may be required to perform work not specifically referred to above. Such duties, however, will fall within the scope of the post, at the appropriate grade.

8. The Council's Commitment to Equality

To deliver the council's commitment to equality of opportunity in the provision of services. All staff are expected to promote equality in the workplace and in the services the council delivers.

PERSON SPECIFICATION

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Criteria	Essential/Desirable	Assessed by:
Professional Membership/Qualification		
Degree in Electrical Engineering (or closely related discipline) or equivalent professional experience	Essential	Application
Training in Building Services Engineering, energy, or sustainability or equivalent professional experience	Essential	Application
Chartered Engineer (CEng) or working towards (e.g., via IMechE, IET, CIBSE)	Desirable	Application
Experience & Knowledge		
The candidate must have a minimum of 5 years Electrical Engineering experience in the UK.	Essential	Application
Expertise in electrical services overseeing all types of projects in the field from concept to completion.	Essential	Application
Budget management and controls to optimise cost making sure efficiencies are achieved on projects.	Essential	Application
Experience managing contractors and administering construction contracts	Essential	Application
Delivering energy efficiency / decarbonisation initiatives and validating savings	Desirable	Interview
Working within public sector procurement and governance	Essential	Application

Evidence of Continuing Professional Development	Essential	Application
Knowledge and experience of Mechanical Engineering and mechanical systems	Desirable	Interview
Skill & Ability		
Advance engineering skills in design of Electrical systems and providing green sustainable friendly solutions into projects	Desirable	Interview
Strong knowledge of relevant legislation, standards and guidance	Essential	Interview
Understanding and grasp of the RIBA Plan of Works for projects or equivalent from CIBSE or other recognised professional bodies	Essential	Interview
Budget and cost control with the ability to improve cost efficiencies across the team deliverables.	Essential	Application/Interview
Understanding and experience with the Construction (Design) Management 2015 and Building Safety Act 2022 legislation	Essential	Interview
Manage risk and compliance.	Essential	Application/Interview
Values & Behaviours		
Caring		
Integrity- I work with candidates and colleagues in a way that builds trust.	Essential	Application/Interview
Empathy- I say "thank you" and "well done" where appropriate, and take time to 'check in' to see if the people I work with are ok	Essential	Application/Interview
Support- I support my colleagues to deliver excellent services. I focus on resolving any issues and capturing lessons learnt	Essential	Application/Interview
Learning to Improve		
Insight- I regularly rely on evidence and professional standards to support my work and decision making.	Essential	Application/Interview
Agile- I am fully empowered to act within the scope of my role	Essential	Application/Interview
Growth Mindset- I take responsibility for my own personal development, growth and	Essential	Application/Interview

learning and support others with their learning and development where I can		
Inclusive		
Personal Responsibility- I am curious about what is important to others around diversity. I reflect and act upon this curiosity to improve my own understanding	Essential	Application/Interview
Engage with discomfort- I am open to and reflect on what makes me uncomfortable and use my engagement with others to challenge myself and constructively challenge others	Essential	Application/Interview
Champion Diversity- I recognise the advantages and importance of equality, diversity and inclusion in delivering outcomes for residents, and take an active role to ensure they are implemented and integrated in everything I do.	Essential	Application/Interview
Collaborative		
One Team- I actively and purposefully build my network of relationships with people across the Council and with partners. I proactively seek feedback and evidence as a way of learning from and improving the way I work with others	Essential	Application/Interview
Accountable- I accept responsibility for my own actions and decisions, and demonstrate commitment to ensuring these align to what is best for Barnet	Essential	Application/Interview
Outcomes Focused- I adapt my way of working to best suit the outcome we are trying to achieve within the scope of my role and professional standards	Essential	Application/Interview