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| Job title: Senior Electrical Building Services Design Engineer  |  |  |
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| Department: Birmingham  |  |  |
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| Reports to: Line Manager and Director in Charge |  |   |
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Job Purpose

An excellent opportunity to become part of our friendly and collaborative business within the successful and dynamic MEP team, which forms part of the wider Engineering and Sustainability Hub.

Working as part of an established building services (MEP) team, we require an Electrical design engineer to support the Birmingham MEP project offering, working with and reporting into, our regional projects lead.

There will be opportunities for personal growth and developing new skills, working for high profile clients delivering exciting projects at leading properties and developments across the UK. Our project work covers various sectors including commercial office buildings, as well as retail, industrial and residential (to include large scale build to rent (BTR), private rented sector (PRS) and student accommodation schemes).

This role is for someone who is keen to establish themselves in a leading multi-disciplinary property consultancy practice and support the growth of our team.

The successful candidate will deliver packages of electrical design work across a variety of project instructions. Ideally you will have professional experience within the building services industry, with a consultant or contractors design background. Further to design work, the candidate will also be required to undertake instructions to support our other service lines including technical due diligence (TDD), dilapidations, and planned preventative maintenance (PPM) surveys, as well as project monitoring instructions

TFT’s Engineering and Sustainability hub provides national coverage to our network of UK offices. We are passionate about providing personalised career progression opportunities and development for all who work with us.

Key accountabilities and deliverables

1. Work in conjunction with the existing Engineering and Sustainability (E&S) team, reporting to the Birmingham regional lead / director.
2. Support the technical delivery of engineering systems (both detailed and performance design basis), for projects within our client’s key sectors. This shall include all aspects of electrical building services design (performance and detailed), including:
	1. Low voltage distribution.
	2. Small power.
	3. Lighting and emergency lighting (including lighting control systems).
	4. Containment.
	5. Fire detection and alarm and security systems.
	6. Miscellaneous extra low voltage systems such as security, access control CCTV etc.
3. Production of technical specifications and electrical design drawings.
4. Site inspections. Client and Contractor meetings.
5. Production of well-written technical reports and presentations that are engaging and balanced with infographics.
6. Lead electrical input on individual projects assigned by the team lead.
7. Undertake surveys and provide technical input to deliver MEP projects, and TDD, dilapidations and PPM type instructions.
8. Support our project monitoring service line, including fund and lender monitoring.
9. Collaborate with the E&S hub’s electrical engineering team to identify and develop best practice. This is to include workflows as well as standard templates and documents.
10. Assist in preparing budget cost estimates for project designs.
11. Ensure successful delivery of design and monitoring projects working alongside the wider MEP team.
12. Undertake technical presentations to support the growth and development of early professional engineers and sustainability team.
13. Deliver individual financial performance in line with agreed targets.
14. Build and manage individual pipeline.
15. Contribute to the continued success of the Birmingham MEP team, collaborating and working with our energy and carbon and sustainability consultants to support our client’s decarbonisation strategies.
16. We encourage our team members to undertake CPD and participate in shaping the industry conversation and as such we support your participation in industry events, working groups, and attendance at networking opportunities.

Key Skills/Knowledge/Qualifications

1. Minimum 5 years’ experience within a BSc/BEng (Hons) or MSc/MEng Engineering degree with work experience in a building consultancy or contractor (or comparable qualifications/career experience/on the job learning).
2. Ideally MCIBSE, or similar, or working towards accreditation – support will be provided to achieve this.
3. Hands-on experience of delivering projects within the built environment, building services or engineering, and development of low and zero carbon energy strategies. Good understanding of building services, their operation and applicability.
4. Working knowledge of BS 7671 IET Wiring regulations.
5. Ability to assess technical data and architectural drawings. Competency in AutoCAD, Microsoft Office packages is essential. Knowledge of Revit, MS Project, and electrical design software such as Amtech/Trimble, Dialux and Relux and ability to undertake hand calculations is required. Knowledge of Google SketchUp (or equivalent), Bluebeam, Python, VBA or similar would be beneficial, but is not vital.
6. Experience of writing design specifications and production of drawings.
7. Working knowledge of The Building Regulations.
8. Technical due diligence, dilapidation and PPM survey experience is preferable but not essential.
9. Ability to co-ordinate workload and resources with other members of the team

Person Specification

1. If not already achieved, an aspiration to work towards Chartered Engineer and MCIBSE status or keen to do so (full support will be given)
2. Excellent interpersonal skills with the ability to communicate with people of all levels and seniority
3. A flexible approach to work with a willingness to travel
4. Able to work as part of a multi-disciplinary team
5. Ability to prioritise and act on own initiative, working independently with guidance from line management
6. Excellent organisational skills and exceptional attention to detail
7. Commercial awareness and desire to be client facing
8. Strong drive for personal growth, learning new skills and career progression
9. Desire to support an existing successful service offering

What’s in it for you?

Competitive salary offered plus benefits: discretionary bonus scheme, mobile phone & laptop to support flexible working, private health care (after 6 months), personal accident cover, life assurance, 25 days holiday, 1 day charity leave and 1 wellbeing day per year. Pension scheme after 3 months.

Cycle scheme and interest free season ticket loan on completion of probationary period.

About TFT

TFT is the leading independent firm of Development, Built Asset & Engineering and Sustainability consultants. We place the wellbeing of people and the performance of buildings at the heart of everything we do.

We’re proud of our reputation for integrity and delivering work of the highest quality, blended with commercial pragmatism. We offer a strong track record across all commercial property sectors, advising investors, developers, occupiers and owners on maximising best property asset values. Diversity and strength in depth is important to us. Whether it be a technical thought leader with a career’s experience – or a recently qualified rising star – in today’s risk averse world you need people on your side with a reputation for diligence, transparency, intellect and commercial insight. Clients see TFT as large enough to provide the expertise and resources to get the best from their portfolios, and small enough for it to matter personally.

We have over 200 employees operating from a network of offices in Birmingham, Bristol, Cambridge, Cardiff, Dublin, Edinburgh, Guildford, London, Manchester, Leeds and Southampton.

TFT is passionate about people development and will provide you with excellent and progressive career opportunities and sponsored learning.

We are BCorp Certified!

As TFT’s impact on the world has grown with the size of our business and the scale of our client services, we are determined that our future growth continues to be positive and sustainable. B Corp certification enables us to do just that, by recognising the highest standards of social and environmental performance and aligning our ongoing efforts with the UN’s Sustainable Development Goals. <https://www.tftconsultants.com/tft-is-a-certified-b-corp/>

DEI at TFT

At TFT we don’t aim to tick boxes and count numbers and percentages, we create an environment where anyone, from any background and life experience, can do their best work. We empower you to bring your full, authentic self to work. We are diverse by nature and inclusive by choice.

If you’re driven to perform, you’ll fit right in, we approach work fearlessly, learn quickly and improve constantly. A bright idea can come from anyone. We believe diversity drives innovation.

Our approach to diversity, equity and inclusion is simple – we embrace everyone. We wouldn’t approach a building survey in a one-dimensional way, so we don’t our people.