

Mechanical Project Engineer (Level 1 & 2)

Working as part of a design team, the applicant will represent the company in client and design team meetings, produce reports, calculations, drawings and specifications, and monitor on site works.

Roles and Responsibilities

- Undertaking mechanical building services design duties
- Preparation of mechanical building services schematic and layout drawings and supporting calculations
- The candidate will be experienced and competent in the use of Hevacomp design software, and be able to carry out the following:
 - a) Heat losses
 - b) Heat gains
 - c) LTHW pipework sizing
 - d) DHW and MCWS pipework sizing
 - e) Chilled water pipework sizing
 - f) Ductwork sizing
- Generate and communicate technical reports, specifications and documentation
- Provide technical guidance, support and training to colleagues and assist, where practicable, in mentoring and developing others
- To work in both supervised and unsupervised environments ensuring that the technical content of all work carried out is correct and carried out in accordance within agreed timescales and within agreed budgets
- Undertaking other tasks as delegated by senior engineers
- Coordination with others
- Report to senior engineers on technical issues associated with project work
- To be able to work in close collaboration with design team members and other disciplines and have an appreciation of their roles
- Remain abreast and communicate relevant changes to regulatory standards internally and externally
- Ensure that all work is carried out in full compliance with the company's management system
- Quality control for CAD production and adherence with company CAD standards
- To adhere to the company Health and Safety policy

To be successful in this role, you will need to possess:

- Consultancy experience
- Experience of undertaking the design process for mechanical building services for commercial and residential buildings
- Experience of design and construction building projects
- Practical understanding of design, operation and commissioning of building services

technologies

- Familiarity and working knowledge of AutoCAD/Revit and experience of working in 2D and/or 3D Revit
- Strong interpersonal / team working skills
- Experience of monitoring site and installation works
- Knowledge of building regulations, submission requirements and handover protocols
- Understanding of the importance of delivery timescales
- Ability to communicate in a fluent and positive manner with other team members and to produce reports in plain English
- Client focused attitude, ability to represent the company in discussions with the client, design and contracting teams

Personal Qualities

- Ability to work on own initiative and seek assistance when required
- Ability to organize and prioritise workload to ensure that timescales are met
- Excellent interpersonal skills
- Good problem solving and contingency planning skills with ability to find quick, innovative and practical solutions
- Good report writing skills
- Take responsibility for personal development
- Project a professional image to clients and colleagues
- Able to work collaboratively with others to form strong positive working relationships with colleagues, clients and contractors
- Demonstrate pride in work, through accurate and timely delivery
- Attention to detail
- Willingness to adopt new technology and practices

Professional Membership and Qualifications

- Recognised academic qualifications, Degree, HND, HNC etc in a relevant engineering discipline
- To have/or be working towards a recognized professional qualification and chartership / membership of appropriate professional bodies (CIBSE or equivalent)