Role definition

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| Job title: | Principal Engineer – Building Services | | |
| Reports to: |  | | |
| Direct reports: |  | | |
| Business unit: | Baker Hicks Limited | Location: | All Locations |

Summary

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| Liaise with other team members in a multi-disciplinary environment to achieve holistic building solutions to client brief.  You will interact with various internal and external contacts and take responsibility for the delivery of projects within time, quality and budget constraints. You will also work closely with clients to develop and nurture relationships that result in new opportunities and repeat business. |

Key objectives

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| * Design and specify all aspects of mechanical building services in accordance with current guidelines, standards and regulations * Contribute to the design planning, resourcing and fee planning of specific project teams * Contribute to the development of the mechanical services department as required |

Principal responsibilities and accountabilities

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| To undertake engineering services design and consultancy work on behalf of Baker Hicks under the direction of the line manager or project leader.    To undertake calculations, production of drawings, specifications and reports, site surveys, construction stage duties, client liaision with members of design/construction teams, project management, costing and any other relevant duty required to comply with the project brief.  To undertake an appropriate level of resource management responsibility and control by:   * Ensuring an understanding of project briefs * Working to time allocations * Make steps to minimise expenses and non-chargeable costs * Produce project cost of further works and resource plans * Ensuring support services are made available * Participate in effective presentations to external organisations, customers and peer groups * Co-operating with other members of the team * Reviewing progress plus reporting any anomalies and scope of duty revisions to the line manager * Updating forward plan workload regularly * Ensure design intent/commissioning fulfilled during construction stage   To undertake an appropriate level of technical/quality management responsibility and control by:   * Using up to date IT, technical methodology and information sources * Regularly reviewing computations, information and contact of project * Ensuring all work is completed under the company quality assurance procedures * Reporting any problems/difficulties during project progression * Assisting in the maintenance/updating of relevant literature/information sources/contacts * Contributing to development of working practices to improve team efficiency particulary with reference to the use of IT * Provide feedback on the performance of the department from a technical and operational perspective * To support and use BIM on relevant projects and undertake the necessary training and CPD to ensure clear understanding of processes and required proficiency   To undertake an appropriate level of financial management responsibility and control by:   * Ensuring projects are kept within/cost limits as stated at briefing meetings * Completing time/expense sheets as required   To undertake an appropriate level of business development by:   * Responding to clients within framework of commission * Assisting in development of new clients or opportunities for the company * Making a positive contribution on how image and efficiency of the company can be improved * Acting as an ambassador for the company |

Person specification

Qualifications and training

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| * You will be a chartered engineer, degree qualified in Building Services or similar. * A member of a Professional institute such as CIBSE or IET, Fellow would be advantageous |

Technical skills and experience

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| * Proven track record in mechanical services design, in particular the following market sectors: * Transportation, including Rail, Underground and Airports * Commercial and Mixed use * Public Sector, including Education, Defence, Healthcare and Custodial * Proven track record of project delivery, together with notable projects across a variety of sectors (including science and technology, nuclear, and waste and environmental), major local developments and multi disciplinary work * The ability to lead teams of engineers as part of multi-discipline design team * Strong demonstrable communication and interpersonal skills, particularly the ability to influence and negotiate both internally and externally with an open and inclusive style * Fully conversant with technical and legislation requirements for Mechanical services equipment and installation design and management * Ability to organise a team to develop designs from RIBA 0 through to 4c * Experienced in managing external design and vendors organisations * Ability to understand and approve technical calculations performed by junior engineering staff * Have a good appreciation of business to ensure commercial requirement to ensure gross margin targets are achieved * Competent writer of letters, quotations, proposals, presentations and reports * Experience of low carbon engineering, preferably a CIBSE LCC or energy assessor * Experience of designing to achieve BREEAM ratings * Practical experience on-site (Resident Engineer or Simular Role) Preferred |

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