Role definition

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| Job title: | Revit Technician – Mechanical and Electrical Building Services |
| Reports to: | Head of Building Services Scotland |
| Direct reports: | Revit manager |
| Business unit: | Baker Hicks (Building Services Scotland | Location: | Motherwell Scotland |

Summary

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| Responsible for generating high quality, accurate and co-ordinated Building Services Mechanical and Electrical engineering design drawings. Develop building Information modelling (BIM) building services design deliverables, working within a multi-disciplinary design team. |

Key objectives

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| * Take responsibility for the quality and completeness of all drawn and modelled information for projects under their remit.
* Work collaboratively with other BIM technicians and engineers.
* Contribute to the development and mentoring of junior staff, and the continual improvement of the BIM delivery processes within the department.
* Promote and develop the use of BIM within the department
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Principal responsibilities and accountabilities

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| * Be responsible for the production of schematic, general arrangement and detailed drawings in Revit in accordance with the relevant standards and procedures.
* Be responsible for carrying out clash detections of the Revit model and producing solutions to any clashes found.
* Ensure quality of delivery when producing or updating drawings to internal and/or customer standards.
* Work closely with other members of the design team to deliver safe, efficient and buildable solutions.
* Communicate and collaborate with Revit/CAD technicians from other disciplines, other consultants, etc.
* Promote and achieve excellent service through Perfect Delivery
* Ensure thorough checking and accuracy of deliverables and record documentation in accordance with company QA procedures
* Take lead responsibility for the registering and document control of all incoming information and outgoing deliverables.
* Participate in knowledge sharing across team and locations
* Keep up to date with design trends
* Interact on project standards coordination with customers
* Feedback with management team to ensure achievable delivery dates and resources
* Excellent team ethic, and ability to work extended hours on occasions when required
* Represent Baker Hicks in external project technical meetings if required
* Review specialist subcontractors/suppliers production BIM models and drawings for compliance with design intent
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Person specification

Qualifications and training

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| * Recognised qualification in engineering or BIM
* Additional BIM training by approved training provider is an advantage
* Eligible to pass criteria for security clearance and airside pass applications.
* Full UK Driving Licence
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Technical skills and experience

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| * High level of proficiency in the use of Autodesk REVIT.
* Ability to carry out Clash detections using Autodesk Navisworks.
* Significant BIM experience preferably in the majority of the following market sectors:Public Sector schools, nurseries and leisure developments industrial, manufacturing and energy, life sciences , MOJ/Scottish Prison Service, NHS and MOD
* Ability to produce 2D & 3D Building Services design deliverables from concept through to fully co-ordinated detailed design
* Knowledge and experience of mechanical and electrical services equipment and installations
* A keen eye for the detail of specific tasks, combined with an understanding of how such specifics fit in with the project as a whole
* Knowledge of international BIM standards
* Experience of producing BIM level 2 projects is desireable
* Knowledge of design stages and corresponding level of model information
* Knowledge of CDM regulations
* Proficient in the use of Microsoft Office software i.e. word, excel, etc.
* Knowledge of Cobie Data applicable to M&E drawings
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