Role definition

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| Job title: | BIM Technician |
| Reports to: | BIM/Survey Manager |
| Direct reports: | N/A |
| Business unit: | Baker Hicks | Location: |  Reading |

Summary

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| Baker Hicks provides a managed service for a major Defence Contractor’s Configuration Management function. Based on the client’s sites, we provide support to Document Control, CAD, BIM, Surveying & Tooling with a team of approximately 70 people. As part of the growth of the service, we have identified the need for a BIM Technician to provide coordinated modelling of mechanical, electrical and plumbing services / civil & structural/architectural as well as supervision of model/drawing production. |

Key objectives

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| * Produce 2D layouts/sections/schematics, using AutoCAD/Revit Platforms.
* Produce 3D BIM models, generating 2D/3D/layouts/sections/schematics/schedules, to include information modelling to the requirement of the task, using Revit Platforms.
* Clash detection, using Navisworks.
* Review, Interpretation and conversion of Point Cloud data to create BIM level 2 models in Revit Platforms
* Liaise with the BIM Modelling / Data Capture Manager for task requirements.
* Produce Revit families where required, to the required level of detail/information.
* Mentoring of trainees and technicians
* Ensure tasks are completed working to the required company/project standards, based around ISO 19650-1, ISO 19650-2 & BS8541.
* Perform model audits, and prepare models for issue to internal/external, suppliers / customers
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Principal responsibilities and accountabilities

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| * Production of Level 2 BIM models and drawings as instructed by BIM Modelling / Data Capture Manager
* Support upkeep of facility “AS Built/Record” models / drawings.
* Liaise with customer to confirm requirements.
* Compliance with company BIM standards.
* Understanding of Managed Services procedures and processes.
* Application of configuration control processes.
* Delivery to set budgets and timescales
* Adequate exploration of appropriate and most efficient technical solutions to meet client requirements.
* Ensure robust application of estimating methodology with regard to Service Level Indicators
* Comply with company Health and Safety and Safe Systems of Work regulations.
* Comply with company Security regulations.
* Provide BIM models and drawings to support the Built Environment disciplines
* Identify opportunities and recommendations for increasing workflow efficiencies
* Self-check completed drawings and models produced in-house and by contractors for accuracy and compliance to standards.
* Ensure task documentation is maintained.
* Attend task and change control meetings.
* Manage own professional development to maintain and develop personal knowledge base, through continuing professional development.
* Ensuring service level indicators are adhered to and monitored to maximise SLI profit.
* Monitoring task progress and costs in accordance with estimates.
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Person specification

Qualifications and training

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| * Ideally educated to HNC level or above in a BIM related field.
* Certification in use of Revit by Autodesk approved trainer an advantage.
* A comprehensive knowledge of 3D services co-ordination and point-cloud manipulation
* Extensive knowledge of ISO 19650-1 & ISO 19650-2
* Good Knowledge of IT including all MS Packages
* Good presentation skills and ability to manipulate data sets
* Ability to engage with key stakeholders and collate relevant information
* Ability to interrogate data and present results to match client requirements
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Technical skills and experience

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| * Extensive understanding of working in a Common Data Environment (CDE) such as BIM360/ACC.
* Extensive experience of producing BIM level 2 Models & families
* Experience of managing and controlling BIM data and related areas.
* Ability to use engineering knowledge and understanding to review and select techniques, procedures and methods to undertake tasks.
* Extensive experience of manipulating Laser Scanned Point cloud data.
* Extensive experience in using Revit on Architectural/MEP projects (examples of work and advantage at interview).
* Proven and demonstrable track record of exceptional project delivery and client satisfaction in both technical and commercial aspects.
* Good communication skills.
* Experience in using other software packages desirable, such as: CADDuct/FabMEP, Navisworks, Pointsense, Leica Cloudworx/Cyclone Register, Leica Truview, Leica Jetstream.
* Experience of uploading models/drawings to EDMS system.
* Works effectively with others to achieve common goals.
* Able to respond successfully to changing demands and conditions.
* A commitment to work and operate in accordance with relevant national and international codes and standards, and codes of conduct.
* Ability to clearly set work objectives and priorities.
* Reliable, enthusiastic, hard-working, and able to priorities using their own initiative
* A pro-active, can-do attitude is a must
* Good attendance and time keeping
* Highly motivated and committed to doing an excellent job
* Able to work with a variety of tasks
* Security Clearance to SC or DV level an advantage.
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