Role definition

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| Job title: | GIS Engineer (B2) | | |
| Reports to: | Operations Manager/GIS Manager | | |
| Direct reports: | None | | |
| Business unit: | Baker Hicks | Location: | Reading |

Summary

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| Baker Hicks provides a managed service for a major Defence Contractors Configuration Management function. Based on the clients’ sites, we provide support to Document Management & Administration / 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 GIS Engineer. The role will provide support to the Client GIS Team. |

Key objectives

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| * Utilities Baseline Review, to include analysis and reporting * Development of 3D baselines, including facilities and utilities * 3D visualisations to support Estates Strategy and other projects. * BIM/GIS Integration projects * UAV support and development, including processing and analysing imagery * Preparation and support in migrating from ArcMap to ArcGIS Pro, including the implementation of the Utility Network and Branch Versioning * Maintenance of the asset configuration baseline information within the corporate GIS System * Cartographic production and configuration/improvement of Topographic & Utilities baselines |

Principal responsibilities and accountabilities

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| * Provide technical support to IS development and operational support teams where applicable to enable delivery to the business requirements * Provide first line support to the system business users where applicable, and second line support to IS teams as requested * Provide functional and technical support to the senior super user for the system * Provide support and guidance to the wider GIS team, where required * Support the Asset Information Strategy and System Requirements under pinning the Enterprise Asset Management Framework * Assist in the assessment and setting of business requirements for system development activities * Technically support, and where applicable deliver, development activities to provide necessary system functionality * Provide reports and KPI's as required to customers, providing guidance and advice on data analysis * Deliver operational services to all departments, including data management, data analysis and data exploitation * Maintain a current level of knowledge of industry best practice and advancements, whilst championing the GIS platform throughout the business * Contribute to all relevant standards and documentation * Responsible for personal task management and decisions with the area of work, while supporting Senior Operations Specialist where required * Act as the subject matter expert in terms of functionality and capability, supporting business areas in process development and system deployment * Ensure that customer deliverables meet agreed quality, cost and timescales * Maintain configuration control of data, while providing quality checking and assurance of baseline updates * Maintain and promote high personal standards in environment, safety, health, security and quality * Undertaking GIS data manipulation & analysis through the use of scripts & tools and building these as required * Supporting the GIS manager, in line with the goals of the wider asset group (AMS, EDMS, CAD, BIM) |

Person specification

Qualifications and training

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| Essential –   * Qualification in GIS or relevant subject or equivalent and demonstrable experience in a working environment * GIS Management Qualification * Advanced Certification in relevant software * Membership of a relevant professional body * Good Knowledge of IT including all MS Packages * Good presentation skills and ability to manipulate data sets   Desirable –   * Degree in GIS or relevant subject or equivalent and demonstrable experience in a working environment * Postgraduate qualification in a relevant GIS subject |

Technical skills and experience

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| Essential –   * A good working experience in the GIS discipline, preferably within an MoD or utility environment. * Remote sensing and spatial analysis. * Experience working with Assets Management Systems (AMS), Computer Aided Design (CAD) or Building Information Modelling (BIM) * Knowledge of configuration management and change control. * Advanced knowledge of desktop GIS software (preferably ESRI ArcGIS) in a working environment * Management of utility network data in a versioned geodatabase environment * Understand, interpret and exploit geospatial data. * Working in the GIS discipline, preferably within a utility or defence environment. * High quality cartographic production * Must be willing to complete security clearance to SC level and potentially up to DV level.   Desirable –   * Knowledge of appropriate programming language (Python, .net, VB) or use of FME. * Knowledge of more specialised software including PIX4D, PointFuse and Autodesk * Beneficial knowledge of MOD sites, business areas and utility and facility infrastructure. * Geodatabase management * 3D data management, analysis and presentation in GIS environment * Advanced network analysis in a multi-service environment. * Implementation of mobile GIS systems for data capture. * Maintaining GIS data in a regulated environment * Integrating CAD/BIM deliverables into a GIS environment. |

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