Role definition

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| Job title: | Senior Engineer – Civil Engineering |

Role Overview and Key Purpose

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| **Role Overview**As a Senior Engineer – Civil Engineering*,* you are expected to have a strong track record in one or, preferably, multiple sectors that BakerHicks operates in. You will ideally be a Chartered Engineer with experience of working on a variety of medium-size projects and possibly managing small packages on large projects. You’ll be working as part of an enthusiastic and committed team of Engineers and Technicians to deliver high quality output on projects. Client care and repeat business is crucial to BakerHicks success, so you’ll need to be able to develop and nurture relationships with our clients (both internal and external).**Key Purpose*** Design and specify all aspects of Civil Engineering works in accordance with current guidelines, standards, regulations and project deliverables.
* Contribute to the development and mentoring of our Early Careers population and the continuous improvement of departmental capabilities.
* On occasion, manage our Civil Engineeringinvolvementin small to medium-size projects, including time, cost, quality and client relationship management and delivery.
* Champion quality and compliance controls within local teams and projects.
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Responsibilities and Accountabilities

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| **Responsibilities*** Provide engineering services design and consultancy work on behalf of BakerHicks under the direction of the line manager or project lead.
* Produce design deliverables (including drawings, specifications and reports), site surveys, construction stage duties, client liaison with members of design/construction teams, project management, costing and ensure progress against the project brief.
* Check calculations and detailed drawings to ensure engineering designs meet appropriate quality and compliance controls, project brief and customer requirements.
* Collaborate closely with multi-disciplinary members of the design team to deliver safe, efficient and buildable solutions.
* Contribute to the preparation of enquiry plans, tender reviews, fee estimate sheets, scopes of work and change controls as required.
* Review specialist subcontractors/suppliers calculations and drawings for technical compliance with design intent.

**Accountabilities*** Ensure team compliance with company quality management and best practice for ‘Perfect Delivery’.
* Management of Engineers, Early Careers and Technicians in the production of calculations, design deliverables (including drawings, specifications and reports), site surveys, construction stage duties, client liaison, liaison with members of design/construction teams, project management, costing and any other relevant duties.
* Support the development of Early Careers and Technicians.
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Knowledge, Experience and Qualifications

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| **Essential*** Degree qualified in Civil Engineering (or equivalent).
* Demonstrable experience of delivering projects in at least one sector that BakerHicks operates in.
* Confident communication and presentation skills with the ability to explain complex ideas simply.
* An ability to develop relationships with both internal and external stakeholders that deliver long term benefits.
* Considerable civil engineering design, technical detailing and specification writing experience.
* Proficient in the design of below ground foul and surface water drainage using Microdrainage software.
* Be fully conversant with the basics of CIRIA 753 (The SUDS Manual), Sewers for Adoption and other relevant British Standards and Eurocodes with respect to civils design and specification.
* Experience in design and specification of external works including site, earthworks and below ground utilities layouts and levels.
* Eligibility to pass criteria for security clearance required to work on sensitive projects.
* Working knowledge of BIM software including Autodesk Navisworks.
* Knowledge of CDM regulations.
* Knowledge of current UK technical standards/publications and legislation requirements.
* Knowledge of standard details and solutions, and compliance.

 **Desirable*** Chartered or Incorporated Member of ICE (or equivalent).
* Experience of contributing to bids, proposals and tender submissions.
* Experience of delivering multi-disciplinary projects in several sectors that BakerHicks operates in.
* Experience of managing small teams from Apprentices and Graduates to Engineer and Technician level.
* Experience in managing commercial elements of projects.
* Proficient in use of Autodesk Civil 3D and AutoCAD software for site, earthworks and utilities modelling and layout and levels drawings.
* Experience in the design and specification of industrial process drainage.
* Experience in the design of above ground roof drainage systems.
* Familiarity with DMRB volumes produced by Highways England.
* Full clean UK driving license.
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