Role definition

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| Job title: | Senior Geotechnical Engineer/ Senior Engineering Geologist |
| Reports to: | Director – Civil & Structural |
| Direct reports: | Associate– Ground Engineering |
| Business unit: | BakerHicks Limited | Location: | Salford Quays |

Summary

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| An ambitious Senior Geotechnical Engineer/ Senior Engineering Geologist is required to support our growing ground engineering team, which sits within the Civil and Structural department. The role is based in our Salford Quays office. The successful candidate will have demonstratable geotechnical engineering experience within a design consultancy. A thorough understanding of ground engineering issues such as desk study, ground investigation specification, technical report writing, ground modelling, earthworks design and foundation design is required.  |

Key objectives*(4 maximum)*

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| * Undertake all aspects of geotechnical design work on a range of project sizes across the following sectors: Rail, Power, Defence, Aviation, Public Sector and Life Sciences.
* Lead the delivery of ground engineering design packages across multiple projects, as part of a single or multi discipline design team, carry out any or all stages from concept to completion.
* Contribute to the development and mentoring of junior staff.
* Be highly proficient in the use of geotechnical design packages (GEO5 would be preferable).
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Principal responsibilities and accountabilities

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| * Perform all technical and departmental duties as listed above.
* Keep up to date with ground engineering design trends / customer awareness / design techniques.
* Review specialist subcontractor’s reports for technical compliance with design intent.
* Carry out technical design reviews/critiques of projects in progress.
* Assist with developing staff by recommending appropriate training.
* Represent BakerHicks in external project technical meetings and site visits if required.
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Qualifications and training

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| * HNC/ HND Civil Engineering and / or recognised Engineering Degree
* MSc in Geotechnical Engineering would be beneficial
* Professional membership of an appropriate body (ICE, GeolSoc, RoGEP) would be beneficial
* Full UK Driving Licence
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Technical skills and experience

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| * MEng degree in Civil Engineering or a Degree in Civil Engineering or Geology with an MSc in Geotechnical Engineering or Engineering Geology
* Chartered Member of an appropriate body (ICE, GeolSoc, IMMM)
* Preferably RoGEP at the grade that professional membership allows
* Technically competent in all aspects of ground engineering design and co-ordination
* Ideally the candidate will have demonstrable experience of the following:
	+ Production of desk study reports
	+ Experienced in the scoping and delivery of ground investigations
	+ Ground modelling
	+ Mining risk assessments
	+ Preparation of Geotechnical Interpretive Reports
	+ Slope stability design (new build and slope remediation)
	+ Foundation design
	+ Retaining wall design
	+ Production of Geotechnical Design Reports
	+ Production of Earthworks Specifications
	+ Input to construction drawings
	+ Project delivery within some of the sectors we operate within, rail would be particularly advantageous
* Full understanding and delivery of assurance/sign off requirements
* Prepare fee budgets, proposals and resource requirements for projects
* Up to date with adoptable standards and practices.
* Proven track record of exceptional project delivery and client satisfaction
* Proven ability to work within a fully integrated, multidiscipline design team
* Exceptional communication skills both written and oral
* Excellent IT skills
* Full UK driving licence
* A willingness to travel for short periods of site works within the UK
* A full PTS qualification would be an advantage
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