Role definition

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| Job title: | Principal OHL Engineer |
| Reports to: |  |
| Direct reports: |  |
| Business unit: | Baker Hicks Limited | Location: | All Locations |

Summary

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| Baker Hicks with our construction colleagues (Morgan Sindall Utility Services) have grown rapidly in the Transmission & Distribution sector over the last three years and have been successful in winning a number of key projects within the UK. As the demand to deliver exceptional engineering design from our clients continue to grow.The OHL Design Engineer role will be reporting to the Baker Hicks Associate OHL Engineer and will be responsible for carrying out OHL design with PLS-CADD, PLS-Tower and other design tools. |

Key objectives

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| The candidate must have experience in the production of all designs, calculations, reports & drawings associated with the new build or refurbishment of overhead line projects from 11kV – 400kV. The candidate must have experience in design of OHL with PLS-CADD and PLS-Tower. The candidate must have a reasonable level of maths and science and have good communication skills. |

Principal responsibilities and accountabilities

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| The candidate must be enthusiastic, proactive and mature enough to operate in a diverse team. This role can lead to many of the career paths for the employee as they develop through Baker Hicks.* Overall OHL design with PLS-CADD in accordance with BS-EN 50341.
* Production and checking of detailed drawing for the OHL design.
* Production of wind load cases in accordance with BS-EN 50341 and BS 6399.
* Analysis of OHL structures with PLS-Tower.
* Production of foundation loads.
* Design and analysis of OHL Foundations.
* Assist in the tendering process.
* Preparation of design technical reports and other written documents.
* Production of design concepts, drawings, specifications and other technical documents.
* The adherence to and control of documents and drawings in accordance with Baker Hicks management procedures.
* Design input/output within the designated risk management process.
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Person specification

Qualifications and training

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| * BEng/Bsc in Civil/Structural Engineering with experience in OHL design.
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Technical skills and experience

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| * Experience in PLS-CADD, PLS-Tower is essential.
* Experience in either CAD packages such, AutoCAD, BoCAD, etc.
* Have a good understanding of British and European Standards and technical specifications from utility providers such as National Grid, SSE, Scottish Power, UKPN, WPD, etc
* Good computer and report writing skills
* Good interpersonal skills and the ability to work well within a team.
* Good attitude to obtaining new skills and capable at transferring existing skills to overcome new challenges
* Must be competent at creating and laying out quality drawings that construction and fabricators can understand
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