

## Senior Project Engineer

<b>Generic title</b>	Manager – 1
<b>General Description</b>	<p>A construction, commercial, project, technical manager or functional manager with considerable experience who performs a specific discipline over a wide range of complexities or large geographic area.</p> <p>They will manage their own workload within the context of a wider project or company objective. They will take significant decisions within their discipline with direction from a senior manager. They are accountable for their own work and their team's performance and its impact on their area or project.</p> <p>In operations they will manage all aspects of a mid-sized project, site of single function (e.g. M&amp;E or Special Works) on a larger scheme or area office. In commercial they will manage all aspects of estimating, design procurement or supply chain for a site, project or office.</p>

## Competencies

<b>Achieving Results</b>	<p>Sets clear and appropriate goals that consider the bigger picture</p> <p>Drives well to achieve consistent results</p> <p>Deliver a quality performance consistently</p>
<b>Analytical thinking and decision making</b>	<p>Rational and systematic analysis of situation to enable decisions on more varied issues</p> <p>Questioning the evidence to evaluate issues</p>
<b>Communication</b>	<p>Ability to choose most appropriate style of communication</p> <p>Able to listen actively by which we mean hearing and interpreting what is said</p> <p>Demonstrating sound questioning techniques</p>
<b>Dealing with change</b>	<p>Sees potential of new ideas and situations</p> <p>Take a pragmatic approach to change</p> <p>Considers impact of change on others as well as self</p> <p>Ability to explain the effects to colleagues</p>
<b>Teamwork</b>	<p>Develop inter-team collaboration inside and outside company</p> <p>Understand the role of a team and how it delivers the objectives</p> <p>Can adapt to different types of teams in most situations</p> <p>Take a cohesive and encouraging approach to team working</p>
<b>Leadership</b>	<p>Ability to take control of situations with one's sphere of influence</p> <p>Assume responsibility – organising and guiding where necessary</p>
<b>Managing resources</b>	<p>Create a plan for a familiar project or process</p> <p>Interpret a plan and decide what resources are required</p> <p>Bring resources together and ensure they are efficiently deployed</p> <p>Able to call upon and manage diverse skills and methods to deliver results</p>
<b>Negotiation</b>	<p>Understand the others point of view</p> <p>Make an objective and structure case with pros and cons</p> <p>Understand the need to give and take</p> <p>Understand and defend a position</p>
<b>People Development</b>	<p>Can work well within tested frameworks of development to identify others needs</p> <p>Use personal experience to build skills in other people</p> <p>Use informal and formal performance reviews to target needs for development</p> <p>Understand and recognise people's current career needs</p> <p>Coach and give feedback</p>

	Build development plans with others
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## Role definition

<b>Summary of role</b>	As senior project engineer you will be responsible and accountable for the design development, procurement, installation, testing and commissioning, and documentation of the electrical element of a project or projects, and provide proactive input into overall programme and commercial activities.
<b>Responsibilities and accountabilities</b>	<p>Review and challenge designs for build-ability and cost effectiveness</p> <p>Responsible for materials and subcontract procurement and control of subcontractors on site, within budget, to the highest quality and safety standards and to the satisfaction of the customer</p> <p>Undertake the commissioning of plant, equipment and processes, and optimise operating in line with agreed performance parameters</p> <p>Responsible for the completion of the electrical scope of works and documentation to obtain Perfect Delivery</p> <p>Provide technical support and advice to design teams in assessing existing process plant and equipment and build-ability of proposed solutions</p> <p>Lead technical, commercial and site management support to procurement teams in quotation evaluation and pre-contract award processes for electrical deliverables</p> <p>Expedite subcontractor designs, off-site works, testing and delivery to ensure compliance of quality, budget and programme milestones defined in the subcontract</p> <p>Ensure all staff and subcontractors promote a safety and environmental conscious culture</p> <p>Assist in reviewing and implementing safe systems of work for mechanical and electrical site activities, including risk assessments and method statements and impact / contingency plans</p> <p>Responsible for the implementation, monitoring and reporting of the electrical installation programme and activities</p> <p>Responsible as electrical coordinator for the control and implementation of electrical safety on site</p> <p>Participate in and contribute to Hazop and Hazcom processes</p> <p>Manage and produce commissioning and O&amp;M documentation</p> <p>Coordinate, control and undertake mechanical and electrical testing and commissioning activities, supervising testing and commissioning subcontractors where engaged</p> <p>Coordinate, control and undertake mechanical and electrical routine maintenance and process operation, supervising maintenance subcontractors where engaged</p> <p>Manage defects and corrective actions</p> <p>Provide information and advice for asset management of mechanical and electrical equipment</p> <p>Proactively develop and manage customer relationships to ensure full satisfaction</p> <p>Ensure the achievement of customer performance targets and Perfect Delivery</p>
<b>Qualifications, training and technical knowledge</b>	<p>BTEC HNC in engineering of specific discipline(or equivalent)</p> <p>CITB site managers safety training scheme</p> <p>CSCS Site Supervisor – Gold Card</p> <p>Proficient in materials and subcontract letting and subcontract management</p> <p>Proficient in managing site construction and installation</p> <p>Proficient knowledge of health and safety and environmental legislation</p> <p>Knowledge of construction contracts and procedures</p>
<b>Attributes and skills</b>	Ability to work in a team environment contributing across a business unit or area

	<p>Good management skills, with the ability to motivate self and colleagues to achieve high standards of compliance</p> <p>Good operational planning and time management skills; able to manage projects simultaneously without compromising on standards and quality</p> <p>Ability to ensure standards and specifications are met</p> <p>Ability to work with colleagues to deliver project and operational performance</p> <p>Sound knowledge of construction practices and standards</p> <p>Specialist knowledge in chosen field</p>
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