## Senior Project Engineer

|  |  |
| --- | --- |
| **Generic title** | Manager – 1 |
| **General Description** | 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. 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.In operations they will manage all aspects of a mid-sized project, site of single function (e.g. M&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. |

## Competencies

|  |  |
| --- | --- |
| **Achieving Results** | Sets clear and appropriate goals that consider the bigger pictureDrives well to achieve consistent resultsDeliver a quality performance consistently |
| **Analytical thinking and decision making**  | Rational and systematic analysis of situation to enable decisions on more varied issuesQuestioning the evidence to evaluate issues |
| **Communication** | Ability to choose most appropriate style of communicationAble to listen actively by which we mean hearing and interpreting what is saidDemonstrating sound questioning techniques  |
| **Dealing with change** | Sees potential of new ideas and situationsTake a pragmatic approach to changeConsiders impact of change on others as well as selfAbility to explain the effects to colleagues  |
| **Teamwork** | Develop inter-team collaboration inside and outside companyUnderstand the role of a team and how it delivers the objectivesCan adapt to different types of teams in most situations Take a cohesive and encouraging approach to team working |
| **Leadership** | Ability to take control of situations with one’s sphere of influenceAssume responsibility – organising and guiding where necessary |
| **Managing resources**  | Create a plan for a familiar project or processInterpret a plan and decide what resources are requiredBring resources together and ensure they are efficiently deployedAble to call upon and manage diverse skills and methods to deliver results  |
| **Negotiation**  | Understand the others point of viewMake an objective and structure case with pros and cons Understand the need to give and takeUnderstand and defend a position |
| **People Development**  | Can work well within tested frameworks of development to identify others needsUse personal experience to build skills in other peopleUse informal and formal performance reviews to target needs for development Understand and recognise people’s current career needsCoach and give feedback Build development plans with others |

## Role definition

|  |  |
| --- | --- |
| **Summary of role**  | 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. |
| **Responsibilities and accountabilities**  | Review and challenge designs for build-ability and cost effectivenessResponsible 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 customerUndertake the commissioning of plant, equipment and processes, and optimise operating in line with agreed performance parametersResponsible for the completion of the electrical scope of works and documentation to obtain Perfect DeliveryProvide technical support and advice to design teams in assessing existing process plant and equipment and build-ability of proposed solutionsLead technical, commercial and site management support to procurement teams in quotation evaluation and pre-contract award processes for electrical deliverablesExpedite subcontractor designs, off-site works, testing and delivery to ensure compliance of quality, budget and programme milestones defined in the subcontractEnsure all staff and subcontractors promote a safety and environmental conscious cultureAssist in reviewing and implementing safe systems of work for mechanical and electrical site activities, including risk assessments and method statements and impact / contingency plansResponsible for the implementation, monitoring and reporting of the electrical installation programme and activitiesResponsible as electrical coordinator for the control and implementation of electrical safety on siteParticipate in and contribute to Hazop and Hazcom processesManage and produce commissioning and O&M documentationCoordinate, control and undertake mechanical and electrical testing and commissioning activities, supervising testing and commissioning subcontractors where engagedCoordinate, control and undertake mechanical and electrical routine maintenance and process operation, supervising maintenance subcontractors where engagedManage defects and corrective actionsProvide information and advice for asset management of mechanical and electrical equipmentProactively develop and manage customer relationships to ensure full satisfactionEnsure the achievement of customer performance targets and Perfect Delivery |
| **Qualifications, training and technical knowledge**  | BTEC HNC in electrical engineering (or equivalent)CITB site managers safety training schemeCSCS Site Supervisor – Gold CardProficient in materials and subcontract letting and subcontract managementProficient in managing site construction and installationProficient knowledge of health and safety and environmental legislationKnowledge of construction contracts and procedures |
| **Attributes and skills**  | Ability to work in a team environment contributing across a business unit or areaGood management skills, with the ability to motivate self and colleagues to achieve high standards of complianceGood operational planning and time management skills; able to manage projects simultaneously without compromising on standards and qualityAbility to ensure standards and specifications are metAbility to work with colleagues to deliver project and operational performanceSound knowledge of construction practices and standardsSpecialist knowledge in chosen field  |