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| **Job description** | |
| **Tite** | |
| **System Design Engineer** | |
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| **Location: Shanghai, Beijing** | |
| **Descrption** | |
| The System Engineer will design packaging systems for gas turbine combine cycle power plant design | |
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| **Responsibilities/Tasks** | |
| **1** | Design and development of controls for simple cycle & combined cycle projects. Strong domain knowledge on Gas turbine, bottoming cycle & BOP. |
| **2** | Co–ordination with internal and external customer for design inputs for the reference & project specific design. Resource, cost and schedule management |
| **3** | Interface with global supply chain for manufacturing and ordering of controls equipment locally. |
| **4** | Interface with third party equipment using standard OPC, Modbus, IEC, FFB protocols. |
| **5** | Analyze the existing plant and upgrade/enhance the existing control system to further requirement |
| **6** | Work on T3000 based Plant Controls project. Learning & executing the Plant Controls team process that would include estimating control hardware, ordering hardware ,understanding DCS/TCS software library, configuring control software for simple / combined cycle power plant, third party communication protocols (Modbus, IEC, OPC, FFB etc.). |
| **7** | Must be well versed in the practical application of Industry codes, certification requirements and standards for different regions and countries. |
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| **Requirements:** | |
| **1** | 3+ years of experience in power plant engineering role |
| **2** | Experience with gas turbine, bottoming system & auxiliary system designs. |
| **3** | Experience with T3000 and SIEMENS related controls platform will be added advantage |
| **4** | Hands on Field Experience. |
| **5** | Experienced with Certification and Code requirements |
| **6** | Demonstrated experience working within a technical team environment |
| **7** | Exceptional team player, good communicator and proactive |
| **8** | With working experience in >1 of the following areas, - I&C: Fuel Gas Control & Fuel Oil Control (if needed, required for dual fuel engine) - I&C: Gas Turbine System Control (incl. combustion chamber control) - I&C: Gas Turbine Protection - System Design : Instruction and cabling - System Design: Fuel Gas system & Ignition gas system & Fuel Oil System (needed, required for dual fuel engine) - System Design: Lube Oil / Turning Gear / Hydraulic Clearance Optimization (if applicable for small gas turbine) - System Design: Hydraulic Oil / IGV & VGV system - System Design: Second Air System Design (incl. Blow Off and Cooling Air) and Instrumentation Air (called pneumatic air) System / GT Drain |
| **9** | Chinese and English language skills are essential. Fluent English in reading and writing. Presentation skills are highly desirable |
| **10** | Strong interpersonal skills to work with multi-cultural colleagues, customers, industry experts, and university associates |
| **11** | Good teamwork, ownership and results oriented |
| **12** | Bachelor degree or above in Engineering (Electrical / Electronics / Controls & Instrumentation/Thermal Engineering /Mechanical Engineering) |