

## Hardware Electronic Engineer

### 硬件电子工程师

**Location:** Beijing

**Starting date:** ASAP

#### About the Company:

Our client is an international industrial group designing and manufacturing electric actuators and associated control systems for over 80 years, ranks in the international top position for industrial valve. This key market position makes our client a privileged partner for customers across a range of challenging sectors including Power, Water, Industry and Oil & Gas. The position takes place in Asia Operating Area and located in Beijing, the Sales department.

我们的客户是一家国际工业集团，设计和制造电动执行器和相关控制系统已有80多年的历史，在工业阀门方面位居国际前列。这种关键的市场地位使我们的客户成为包括电力、水务、工业和石油天然气等一系列具有挑战性行业的客户的特权合作伙伴。该职位在亚洲运营区，位于北京的销售部门。

#### Mission:

- Participate Design and develop electronic hardware systems, including schematic capture, PCB layout, and component selection, ensuring compliance with project requirements, specifications, and industry standards.  
设计和开发电子硬件系统，包括原理图捕获、PCB 布局和元件选择，确保符合项目要求、规范和行业标准。
- Conduct feasibility studies and analyze system requirements to determine the most suitable hardware architecture and design approach for each project.  
进行可行性研究和分析系统要求，以确定最适合每个项目的硬件架构和设计方法。
- Perform circuit analysis, simulation, and modeling using industry-standard software tools to ensure optimal performance, reliability, and manufacturability of electronic designs.  
使用行业标准的软件工具进行电路分析、模拟和建模，确保电子设计的最佳性能、可靠性和可制造性。
- Collaborate with cross-functional teams, including software engineers and mechanical engineers, to ensure seamless integration of hardware with software and mechanical components.  
与跨职能团队合作，包括软件工程师和机械工程师，以确保硬件与软件和机械部件的无缝集成。
- Develop and implement test plans and procedures for hardware validation, including functional testing, environmental testing, and electromagnetic compatibility (EMC) testing.  
制定和实施硬件验证的测试计划和程序，包括功能测试、环境测试和电磁兼容性（EMC）测试。
- Conduct thorough testing and debugging of hardware prototypes to identify and resolve design-related issues, ensuring compliance with performance and safety standards.  
对硬件原型进行彻底的测试和调试，以确定和解决与设计有关的问题，确保符合性能和安全标准。

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- Work closely with suppliers and manufacturers to select and source electronic components and manage the procurement process.  
与供应商和制造商紧密合作，选择和采购电子元件，并管理采购过程。
- Create and maintain comprehensive documentation, including design specifications, test reports, and manufacturing instructions, to ensure accurate and efficient production and maintenance of electronic hardware.  
创建和维护全面的文件，包括设计规范、测试报告和制造说明，以确保电子硬件的准确和有效生产和维护。
- Stay up to date with advancements in electronic components, technologies, and industry trends, and apply this knowledge to improve hardware design practices and identify opportunities for innovation.  
掌握电子元件、技术和行业趋势的最新进展，并运用这些知识来改进硬件设计实践，确定创新的机会。
- Collaborate with cross-functional teams to support product development throughout the entire lifecycle, from concept and prototyping to production and maintenance.  
与跨职能团队合作，支持产品开发的整个生命周期，从概念和原型设计到生产和维护。

## Requirements:

- Bachelor's or master's degree in Electrical Engineering, Electronics, or a related field.  
拥有电气工程、电子或相关领域的学士或硕士学位。
- Proven experience in electronic hardware design and development, preferably in a professional setting.  
有电子硬件设计和开发的经验，最好是在专业环境中。
- Proficiency in electronic circuit design tools such as Altium Designer, OrCAD, Cadence, or similar.  
熟练掌握电子电路设计工具，如 Altium Designer, OrCAD, Cadence 或类似工具。
- Strong understanding of analog and digital electronic circuit design principles and methodologies.  
对模拟和数字电子电路设计原理和方法有深刻理解。
- Familiarity with schematic capture, PCB layout, and design for manufacturing (DFM) principles.  
熟悉原理图捕获、PCB 布局和制造设计（DFM）原则。
- Experience with signal integrity analysis, simulation, and modeling tools.  
有信号完整性分析、仿真和建模工具的经验。
- Knowledge of electronic components, their specifications, and their selection for different applications.  
了解电子元件、其规格和不同应用的选择。
- Understanding of electromagnetic compatibility (EMC) and electromagnetic interference (EMI) principles and mitigation techniques.  
了解电磁兼容性（EMC）和电磁干扰（EMI）原理和缓解技术。
- Excellent problem-solving skills and the ability to analyze complex hardware-related issues.  
优秀的问题解决能力和分析复杂的硬件相关问题的能力。
- Strong communication and collaboration skills, with the ability to work effectively in cross-functional teams.  
较强的沟通和协作能力，能够在跨职能团队中有效工作。

## Application:

Please send your resume to: **[bj-hr@ccifc.org](mailto:bj-hr@ccifc.org)**

有意者请将简历投递至邮箱: **[bj-hr@ccifc.org](mailto:bj-hr@ccifc.org)**

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