

## **Hardware Developer**

**INCOTEC Automation (Thailand) Ltd.**

### **Responsibilities:**

- Design and develop microcontroller embedded boards and peripherals including schematic and PCB layout
- Design and develop CPLD / FPGA
- Building, test and debug prototypes
- Hardware testing and repair
- Supervise electronics technician to help repairing and building up circuits
- Follow up production of PCB and circuits from external companies
- Work together with other hardware / software developers to support technical issues, knowledge transfer, and design reviews
- Other tasks as assigned

### **Skills/Knowledge Required:**

- Designing and developing electronic circuit boards
- Electronic measurement tools such as meters, oscilloscope
- Hardware troubleshooting and debugging
- CPLD / FPGA design using VHDL language
- Microcontroller design
- Soldering and circuit board assembly skills including technical tools usage
- Component and equipment sourcing skills
- Circuit design including Digital, High speed, Signal Integrity, Analog, Switching Power Supply, EMI / EMC, Power electronics, Embedded systems
- Communication protocol
- Industrial automation control
- Basic C/C++ programming

### **Qualifications:**

- Thai Nationality
- Bachelor's Degree in Electrical Engineering/Computer Engineering or higher in any IT related field
- Minimum 3 years of working experience
- Experience with microprocessor embedded design and development; digital and analog circuit design and verification
- Experience in Schematic and PCB design
- Knowledge of FPGA programming and simulation (VHDL, Verilog) is required
- Knowledge of analog or power supply design will be an advantage
- Knowledge of software and firmware development (C/C++) will be an advantage
- Good command of spoken and written English and computer literacy
- Ability to handle multi tasks, to prioritize and work under time constraints
- Logical approach to problem solving and attention to details
- Positive and effective in dealing with challenging situations
- Good in team work, communication and interpersonal skill
- High responsibility and work well under pressure

