**JOB DESCRIPTION**

High School Student

Work Based Learning Program Fall 2021

Start: August 2021

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| **Job Title: Assembly and Testing Technician** | |
| **Location: 1335 Ridgeland Parkway Suite 200** | |
| **Division/ Business Unit:** | |
| **Department: SE GP SV CD NA OPS CS RS** | **SAP Cost Center: 1107611** |
| **Manager: Mark Fairbaugh** | **Name of Controller: Micah Colee** |

**Description of Department: The Remote Expert Center (REC) has 2 Teams. The Assembly and Testing team, and the Hotline Team.**

**The Assembly and Testing team is responsible for system setup and testing.**

**The Hotline Team responds to issues from the field whenever a power plant is having control system problems.**

**Job Duties:**

1. **System Preparation and Inspection – Unpack all project equipment. Setup the components in a testing area per the supplied drawings. If the components are received in a cabinet, then verify that they are installed correctly per the drawings.**
2. **System Setup – setup all computers and system equipment per system documentation. This includes BIOS settings, IP Addresses, DIP Switch Settings and any other equipment specific settings.**
3. **System Test Preparation – Using supplied engineering documentation prepare the system for testing**
4. **PLC installation and setup – includes installing the current version, verifying the power plant specific requirements are done, loading the automation processors (industrial PLC that holds the plant logic), verifying configuration and loading of any other communication processors**
5. **Perform system testing per instructions – this will include rigorous redundancy testing, hardware installation, and communication systems (Modbus, DNP, IEC, etc..)**

**Skills Required:**

1. **Able to lift 25lbs.**
2. **Understanding of basic computer networking**
3. **Able to read and understand network drawings**
4. **Understand basic wiring diagrams**
5. **Have a working knowledge of Excel**

**Work Environment:**

**Manufacturing floor.**

**No open toed shoes or shorts allowed.**