



## JOB DESCRIPTION

<b>Job Title:</b> Engineer, Electrical	<b>FLSA Status:</b> Exempt, Full Time
<b>Reports to:</b> CTO	<b>Last Revision:</b> 10/18/21

### SUMMARY

This is for a position as part of a team tasked with the design and implementation of various products in the area of fuel cell power systems at H2 PowerTech LLC.

The ideal candidate is someone

- with broad experience in troubleshooting
- who can read and create electrical schematics
- who understands electric circuits
- who can design and assemble wire harnesses
- who can read and/or develop test programs in Python or C#
- who can design PCBAs
- who can design test stands

### PRIMARY RESPONSIBILITIES

- Design/Build/Program automatic test programs using commercial off-the-self test equipment.
- Manage electrical component libraries and work with vendors for selecting alternative components.
- Assist with the release of new product designs and sustaining engineering activities.
- Troubleshooting and repair of failed PCBAs, test stands and electrical components.

### MINIMUM QUALIFICATIONS

- Requires an electrical engineering degree.
- Understands hazards of and can work safely when working with high power battery systems and line voltages of 220VAC.
- Work well as a team player.
- Familiar with Altium Software; symbol creation and schematic capture as well as footprint creation.
- Support offshore manufacturing facilities when production issues arise – possible travel or off hour business calls.

### ADDITIONAL CONSIDERATION FOR THE FOLLOWING QUALIFICATIONS

- Ability to troubleshoot and repair PCBAs to the component level.



- Skilled at soldering fine pitch components (20 mil), resistor and capacitors down to 0402 in size.
- Understanding of Fuel Cell Technology

### **WORKING CONDITIONS**

Primary environment: Normal interior/office work environment and/or laboratory.

Secondary environment: Manufacturing environment. May be exposed to loud noises, changing temperatures, machinery with moving parts, and exotic materials.

### **PHYSICAL REQUIREMENTS**

Lifting up to 50 lbs, manual dexterity, visual acuity, 'hands on' person

### **TRAVEL REQUIREMENTS**

Travel within the US and foreign countries a few times per year with overnight stays up to 14 nights during an international trip.

**H2 PowerTech LLC is an Equal Opportunity Employer**