



## **HV Wire Harness Designer**

Bollinger Motors is seeking a full-time HV Wire Harness Designer to work in HV systems on the Bollinger B4 program. This position will work with electrical design team to ensure launch readiness of all HV systems and components in the vehicle's electrical signal and power distribution networks. This position reports to the HV/LV Manager and is an in-person role at the company's Oak Park, MI headquarters.

### **Essential Duties & Responsibilities**

- Utilize Catia V6 Design platform to design/route wiring harnesses based on engineering/manufacturing input, vehicle background and Bollinger Motor's specifications.
- Coordinate with Design Release Engineers to effectively track and communicate CAD status/changes and 2D/3D releases
- Implement Engineering markups with accuracy and completeness prior to completing the drafting/drawing. Evaluate drawings to establish design standards, specifications, and required criteria, and develop detailed digital prefabrication and assembly drawings for projects.
- Work in conjunction with team members to ensure that electrical component specifications, design quality, and timing expectations are met.
- Engage in design related matters within company and with external suppliers to improve and perfect the HV harness and HV system.
- Provide technical expertise and guidance throughout the vehicle lifecycle and provide troubleshooting and problem-solving for build issues.
- Support hands-on integration, testing, and troubleshooting of devices on test benches and prototype vehicles.
- Ensure process improvements based on previous build and test data are identified and executed.

### **Education, Skills, and Knowledge**

- Minimum 1-5 years of CAD Experience working in Catia V5 or V6 and/or Siemens NX platforms; previous Automotive/OEM experience preferred.
- Experience in XC Capital or Mentor Graphics preferred.
- Knowledge in all aspects of High Voltage harness design (design for manufacturing) including relationship between HV wiring components as well as familiarity with electrical wire types, sizing, etc.
- Familiarity with High Voltage EE system development and vehicle integration.
- Ability to review rough sketches and drawing specifications as a basis for creating conceptual drawings in Computer Aided Design Software.
- Demonstrated experience with drafting, design practices & related engineering practices.
- Demonstrated experience reviewing rough sketches, drawing specifications, & creating conceptual drawings in computer aided design software.
- Able to work in shop environment when needed to support physical test bench and vehicle builds.
- Positive attitude and self-starter ready to work with a small team in a fast-paced, startup environment.

Email resume to [careers@bollingermotors.com](mailto:careers@bollingermotors.com)

**ALL APPLICANTS MUST BE AUTHORIZED TO WORK IN THE UNITED STATES**