



SOLIDICA

Solidica, Inc.
1194 Oak Valley Drive
Ann Arbor, MI 48108
www.solidica.com

Job Description

Job Title: Mechanical Designer/Technician

Reports to: TBD

General Description:

The primary responsibility of this position is to support the design and integration of Pantheon hardware onto customer platforms. Secondary responsibilities may include test support, field installation, data collection, and documentation.

Duties include:

- Computer aided design, fabrication, and assembly of Pantheon hardware and electronics
- Testing, verification and validation of hardware and electronics
- Field work including installation, testing, and collecting data
- Working with outside vendors in the fabrication or procurement of hardware
- Provide detailed documentation for assigned tasks
- Provide technical direction for continued development of existing products

Main Responsibilities:

- Design hardware (enclosures, cabling, connectors etc.) to meet specific customer requirements
- Assist in product verification including testing design and execution
- Produce technical specifications and documentation
- Contribute to system design and architecture
- Assist in developing timelines and project plans for development efforts

Skills Required:

- Strong background in Computer Aided Design (esp. familiarity with Autodesk Inventor suite)
- Data management and processing abilities using Excel, Matlab, or similar tools
- Ability to use Oscilloscopes, Multi-meters, and Function Generators
- Strong independent troubleshooting, decision making and problem solving skills required
- Excellent oral and written communication, including familiarity with Microsoft Office suite
- Solid hands on engineering ability with acute attention to detail
- Self starter that can multi-task with minimal direct supervision

Desired Skills:

- Algorithm design experience (c, Matlab, Excel, etc.)
- Strong math and physics background
- Powertrain Systems Knowledge and Application Experience

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Education Requirements:

- Mechanical engineering degree, mechanical engineering technician degree, or similar design certification