



## **ELECTRICAL CONTROLS ENGINEER**

### **COMPANY BACKGROUND**

North Star Imaging (NSI) is located in Rogers, Minnesota and is a wholly owned subsidiary of Illinois Tool Works Inc., a diversified manufacturer of advanced industrial technology. Founded in 1986 as a Non Destructive Testing (NDT) equipment representative, the firm evolved to become one of the NDT industries leading providers of Computed Tomography (CT) and Digital Radiography (DR) systems. NSI offers complete x-ray solutions designed and built at NSI's corporate facility in Rogers, MN. In order to keep up with its growth, North Star Imaging is seeking a Controls Engineer to assist the company in achieving its growth potential.

Illinois Tool Works, Inc. (NYSE: ITW) generated \$15.9 Billion in revenues in 2010. The 825 decentralized business units that comprise ITW's international business corporation are located in 52 countries and employ approximately 60,000 men and women who are focused on creating value-added

The Controls Engineer is responsible for providing electrical/controls design services. This position works within a multi-discipline project team providing design, implementation and support of power distribution, motion, automation controls and PLC programming.

In addition he/she will have the following specific responsibilities:

- Create electrical designs in accordance with project specific requirements.
- Conduct system power up, trouble shooting and PLC programming.
- Manage and implement system documentation practices and file structure for electrical engineering.
- Review system designs for accuracy, cost effectiveness and alignment with project requirements and time lines.
- Prepare detailed schematics and panel designs.
- Prepare detailed bill of materials.
- Research and specify electrical components based on project requirements.
- Provide technical assistance to manufacturing during system integration.
- Design and program PLC logic.
- Assist with project management and scheduling.
- Prepare sequence of operation documentation.
- Provide guidance and mentoring to co-designers on project concepts and engineering practices.

## **CHARACTERISTICS & QUALIFICATIONS**

Successful candidate must have 2-year electrical/electronic/automation control degree (Bachelor's preferred) or similar degree or equivalent along thorough knowledge of AutoCAD 2D, the ability to communicate effectively both verbally and in writing, thorough knowledge of electrical design and techniques, 5 years of experience in related field, ability to be self-directed, work with minimal supervision and multi-task in a fast-paced environment. Candidates must have knowledge of NEC, NRTL, UL, and CSA & CE.

**Mitsubishi PLC platforms experience a plus!**

## **Visit our websites for more information:**

Corporate: [www.4nsi.com](http://www.4nsi.com)

3D Computed Tomography: [www.xviewct.com](http://www.xviewct.com)

Inspection Services Group: [www.xrayinspectionsservice.com](http://www.xrayinspectionsservice.com)

**Top apply please submit resume and cover letter to [greatjobs@4nsi.com](mailto:greatjobs@4nsi.com) or fax to Attn: HR at 763.210.6850.**

No phone calls please.

NSI is an equal opportunity employer M/F/V/D.