EBARA International Corporation
http://www.ebaraintl.com/

POSITION TITLE: Electrical and Instrumentation System Engineer

POSITION LOCATION: Sparks, NV

POSITION DESCRIPTION:
EBARA International Corporation is seeking an Electrical and Instrumentation System Engineer to join the team. The Electrical and Instrumentation System Engineer is responsible for designing, developing/prototyping, manufacturing/sourcing, testing, documenting, implementing, verifying, maintaining, and supporting electrical and condition monitoring system designs for submerged cryogenic pump and expander applications on time and on budget in accordance with engineering practices utilized by the division. The successful candidate will also be responsible for reviewing project specifications and supporting project related requirements for the selection of electrical and condition monitoring system designs if required by the project in accordance with applicable electrical design codes. Duties include, but are not limited to:

- Maintaining a positive work atmosphere by acting and communicating in a manner so that it is easy to get along with customers, clients, co-workers, and management
- Acting in a safe manner at all times and ensuring that those around do not put themselves or others at risk
- Working independently to perform any engineering assignment including complex problems/assignments and completing almost any task with minimal to no guidance
- Designing and approving electrical and condition monitoring system designs per project specific requirements—this includes development specific and project requirements, material requirements, BOMs, test plans, and QA requirements
- Supporting the project engineers, application engineering, and AMS departments on day-to-day projects, applications, and aftermarket questions
- Taking ownership of on-time and budget deliverables produced and their quality
- Participating in project technical clarification meetings as necessary including customer meetings at site which may require domestic and international travels based on project requirements
- Communicating clearly (written and oral) with other disciplines within the company, vendors, and the customer as required to close out all pending contractual matters per approved Engineering Department procedures
- Supervision and coordination during preparation of manufacturing drawings, bill of materials, and documents per approved Engineering Department procedure in MRP system
- Issuing of test procedures and manuals as necessary to ensure correct testing and operation of equipment specified by Engineering Department per approved Engineering Department procedures
- Supervision of assembly and operation of the equipment to ensure correctness and suitability of design together with updating of engineering documents to reflect “As Built” condition
- Supervising prototype production assembly projects as needed
- Providing support to project engineers, application engineers, field service engineers, customers, vendors, chain management, and engineering management
• Preparation and submittal of customer engineering documentations per approved Engineering Department procedures through utilizing internal ERP System
• Applying engineering knowledge and sound engineering practices to troubleshoot assembly, manufacturing, and testing problems—providing technical guidance and direction to other engineers, designers, drafters, test, and shop personnel
• Working closely with Engineering Management in development and updating Engineering Department’s standards and practices relating to production of EIC products
• Completion of any other assigned tasks in accordance with written/verbal instructions or approved Engineering Department procedures

QUALIFICATIONS:
• Bachelor of Science degree in Electrical Engineering is required
• Minimum of two years in direct engineering experience in electrical systems, sensors, and condition monitoring
• Working knowledge of low and medium voltage electrical systems (120V up to 15kV) including DOL, Soft Starter, and VFD operation is required
• Working knowledge and understanding of applicable Codes and Standards such as NEC, UL, NFPA, CSA, and IEC is required
• Familiarity with industrial networks and field busses, including 4-20 mA, HART, and MODBUS
• Familiarity with SQL databases, internet protocols, TCP-IP, and USB communication protocols
• Basic Mechanical Engineering understanding on stress analysis; experience in Finite Element Analysis and SolidWorks is preferred
• Good communication skills and proven discipline to carry out assigned tasks without any supervision
• Frequently able to support and witness machine assembly/disassembly and testing activities at the shop to support other engineers upon request
• Able to travel for more than ten-hour flights upon request and able to attend meetings, EIC equipment installations, commissioning, and troubleshooting activities at customer site/terminal

HOW TO APPLY:
Interested applicants should apply online after searching for the “Electrical and Instrumentation System Engineer” position.