

Compressor Controls Corporation

Job Description

Job Title: Reliability Engineer
Reports To: Director R&D
Location: Des Moines, Iowa

Click the link below to apply for this position:

<https://www.adpselect.com/apps/servlet/com.avert.servlets.ola?cst=1298567>

Summary

The Reliability Engineer will perform product evaluation and prediction to improve product/systems safety, reliability, and maintainability.

Essential Duties and Responsibilities:

- *Reliability Management* – Use basic knowledge and skills to understand reliability program requirements, planning, definitions, training, and organizational resources to achieve those requirements within the constraints of life cycle issues and costs
- *Probability and Statistical Tools* – Use understanding of basic probability distributions, Pareto concepts, tolerance and confidence intervals, sample-size determination, and regression analysis
- *Modeling and Prediction* – Develop models and predict, analyze, and interpret the reliability system using block diagrams, apportionment, and simulations to compare results with available field data
- *Data Collection, Analysis, and Corrective Action* – Collect appropriate data to define, identify, analyze, correct, and prevent potential system failures. Be able to implement FRACAS (failure reporting, analysis, and corrective-action system), root cause, and trend analysis
- *Reliability Tools in Design and Development* – Establish product reliability requirements; be able to understand and use the reliability tools listed in the BOK. Be able to identify and control critical parts, services, and products
- *Maintainability and Availability* – Understand the principles of maintainability and availability over the life cycle of the product or system. Demonstrate a basic knowledge of testability, human factor, and maintenance activities
- *Reliability Testing* – Develop reliability test plans that cover the expected customer use environment and operational conditions. Identify appropriate acceleration stresses and methods, analyze and interpret the results of these development tests. Understand the cost-effective use of production screening methods
- *Product Safety and Liability* – Uphold ASQ code of ethics. Use reliability analysis tools and customer feedback to identify and analyze potential safety issues for a product. Recommend the appropriate action necessary to resolve safety issues. Have knowledge of applicable regulatory requirements and the implementation of closed-loop corrective/preventive-action systems
- Review existing products for improvements in manufacturability, cost and reliability. Manage development projects to implement these improvements.

Qualifications:

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Knowledge Requirements:

- Design review and control
- Prediction
- Estimation
- Apportionment methodology
- Failure mode effects and analysis (FMEA)
- Planning, operation, and analysis of reliability testing and field failures, including mathematical modeling
- Understanding human factors in reliability
- Able to develop and administer reliability information systems for failure analysis, design and performance improvement
- Reliability program management over the entire product life cycle

Education and/or Experience:

Bachelors Degree in related field and 5+ years experience as a Reliability Engineer or equivalent needed. Specific skill requirements include excellent oral and written communication skills, and proven teamwork ability.

Candidates who do not meet the above required qualifications may be considered for a lower level position and grade.

Disclaimer:

Position postings are developed as guides for the employees of Compressor Controls Corporation. The management team of Compressor Controls Corporation reserves the right to modify job responsibilities and position requirements to meet the corporate business goals and needs.

EOE/M/F/D/V