



## Job Description

**Job Title:** Reliability Engineer  
**Department:** Quality  
**Reports to:** Technical Manager  
**FLSA Status:** Exempt  
**Security Clearance:** None Required  
**Citizenship:** US Work VISA, or US Citizen

### Overview

The Bradley's Motor Company utilizes a process-driven and state-of-the-art facility to provide repair-services and products for customers that operate very large motors within the oil, chemical, and nuclear industries across the United States.

### Job Description

The Reliability Engineering position covers objectives that are both strategic and operational. Strategically, this individual teams with company personnel to identify operational evidence that is both necessary and sufficient to implement closed-loop control of the Company's quality and reliability versus financial performance. Operationally, this individual continues to evolve existing processes, procedures, and tools to achieve the strategic objective, as well as make recommendations for capital investment of technology, equipment, and personnel training. Good written and oral communication skills are essential as the Reliability Engineer interfaces directly with employees, ISO Auditors, Customers, and Vendors. At all times, the expectation is for this individual to present a professional image that upholds the positive reputation of the Bradley's Motor Company as earned through the combined efforts of its employees.

### Job Duties

- Statistically analyze operational data to provide recommendations to Bradley's Quality Review Board for root-cause, corrective action, and improvement of plans, processes, policies, procedures, and training affecting preventive maintenance, Quality, Reliability, and Safety.
- Monitor operation of critical equipment to provide support to Engineering and Maintenance, as well as detect and address emerging performance/calibration issues.
- Ensure compliance with applicable ISO, IEEE and ASME Standards and lead recertification activities.
- Lead development of operational tools to correlate operational evidence to business success.

### Data Analysis Tools

It is desirable to have experience using one or more of the following types of tools:

- Statistical data analysis, e.g., Reliasoft - Weibull++, Minitab, SPSS, etc
- Bayesian analysis using Markov Chain Monte Carlo (MCMC) tools, e.g., Winbugs, R
- Enterprise Asset Management (EAM) or Computerized Maintenance Management Software (CMMS).

## Education

- Required - Bachelor's Degree in Mechanical Engineering
- Required - Course work in Statistical Data Analysis, Markov Processes, and Bayesian Statistics
- Required - Master's Degree in Reliability or Industrial Engineering
- Preferred – PhD, Reliability or Industrial Engineering
- Tentative - CMRP Certification (Certified Maintenance Reliability Professional) and 5+ years of relevant work experience

## Expectation of Personal Strengths

- Responsive to change; ability to take on new roles and responsibilities
- Strong prioritization skills and ability to quickly re-prioritize in a dynamic environment
- Strong attention to detail, highly organized, and self-motivated with strong work ethic
- Team player with ability to work independently to meet deadlines, goals, and objectives

## Physical Demands

O = Occasionally (0 to 33%)  
F = Frequently (34 to 66%)  
C = Continuously (67 to 100%)

Overhead Lifting	O	Up to 25lbs
Waist Level Lifting	O	Up to 50lbs
Floor Level Lifting	O	Up to 50lbs
Pushing/Pulling	O	
Sitting	C	At Desk
Standing	F	
Walking	F	Walking the shop floor
Carrying	O	Paperwork/ Tools
Climbing	O	Stairs
Crawling	O	
Balancing	O	
Stooping	O	
Bending	O	Checking equipment
Kneeling	O	Checking equipment
Twisting	O	
Reaching	O	
Finger Dexterity	C	Phones, Writing, Computers
Handling	C	Paperwork/ Tools/ Equipment
Grasping/Gripping	O	Tools/ Equipment
Feeling	O	
Talking	C	Training/ Directing
Hearing	C	Directions/ Instructions
Vision	C	Detail

Weather

F

Extreme Heat/ Cold