

# Position Description



Position Title	<b>Principal Mechanical Engineer</b>
Position No	00079082
Delegation Level	006
Job Designation	Engineering Officer
Organisational Unit	Rollingstock Specialist Engineering SEQ Assets
Work Centre	Mayne
Position Type	Permanent
Rail Safety Worker	Yes
Medical Fitness Standard	NHS Cat 3 ATTP
Performance Plan Type	Team Member/Tech Prof
Shiftworker	No
Classification (Range)	PT5 .1 - PT5 .4
Pay Scale Type	ASPT
Reports to Position	Manager Rollingstock Project Engineering

## QUEENSLAND RAIL VALUES:

1 Queensland Rail - We do better together  
Treat others with respect - We appreciate everyone's contributions and differences  
Empower our people - We have confidence in our people  
Act Safely - We work safe, to go home safe  
Make a positive difference - We learn from today, to improve tomorrow

## Position Purpose

Provide expert advice in mechanical engineering design and project manage a range of projects in the design, acquisition, modification and operation of the passenger rollingstock for Queensland Rail.

This role is primarily responsible for being an expert in a mechanical engineering team in performing mechanical engineering functions to improve the availability, reliability and cost effectiveness of Queensland Rail's rollingstock fleet.

## Position Responsibilities

1. Provide leadership of rollingstock mechanical issues in a dynamic and changing integrated passenger and rail infrastructure environment through effective strategy formulation, engineering excellence and the development and implementation of engineering solutions, processes and programs to continuously improve rollingstock availability and reliability in a timely and efficient manner.
2. Provide and manage the request for expert advice on rollingstock mechanical systems and design of relevant modifications for improvement.
3. Lead the mechanical engineering team and provide expert technical advice, technical assurance and support for the design, modification, maintenance and operation of Queensland RAILS rollingstock fleet.
4. Manage the development of scopes of work, specifications, instructions, design drawings and any other documents to the required standards in relation to rollingstock design, maintenance and reliability.
5. Investigate new technologies and develop new systems and procedures to enhance the safety and reliability of the Queensland Rail rollingstock fleet.

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6. Mentor and coach engineers to maximise team performance by providing performance feedback, advice, encouragement, training and professional development.

## **Additional Factors**

The appointee will be required to :-

- Comply with Queensland Rail's Code of Conduct;
- Observe all legal and safety obligations of the organisation;

## **What is the key selection criteria**

1. Extensive knowledge of the design and operation of passenger rollingstock and associated equipment.
2. High level of skill in the production of safe, reliable passenger rollingstock designs, using engineering design methods.
3. High level of skill in developing and continuously improving mechanical systems, strategies, scopes of work and modifications to improve rollingstock performance, reliability, safety and cost.
4. High level of skill in formulating procedures and introducing new technologies for the purchase of new equipment and maintenance of existing equipment.
5. High level of communication, consultation, negotiation and engagement skills with a range of internal and external stakeholders and suppliers.
6. High level of skill in leading, mentoring and training personnel in the theory and maintenance of electrical equipment.
7. Knowledge of and willingness to commit to and work within Queensland Rail's Values and Behaviours.

## **Pre-employment Checks:**

Not Applicable

## **Pre-employment Qualifications:**

### **What qualifications do I need to hold prior to applying for the position?:**

20100204 Prof Eng (Qld) Registered  
40010177 G\_ Bachelor Engineering (Mechanical)

## **Health, Safety and Environment Responsibilities**

Comply with the overarching document called Health, Safety and Environment Responsibilities MD-11-6843 located in the Safety and Environment Management System.

## **Personal Protective Equipment needs:**

Refer to relevant business instructions.

## **Safety Publications**

Refer to relevant business instructions.

### **Please Note:**

Queensland Rail has a random alcohol and other drug testing program.  
Testing can occur anywhere, at any time, on any day.