



Digital Inspector Network Services

Purpose:

In this role you will utilise video images and other measurements captured by automated track inspection equipment to inspect rail track assets and confirm any defects in track & traction components. You will use your knowledge of track & traction components and inspections to confirm all images of defective components. You will ensure all automated track inspection equipment & systems are functioning as expected and act as required to follow-up on any changes needed.

Health and Safety is an important part of how KiwiRail operates. You will be a safety leader and will be expected to "walk the safety talk".

Dimensions:

Reports to: ATIS Team Leader

Responsible for: Inspection of track components via digital systems

Location: Headquartered at Westfield Depot, Auckland. Some travel required for learning and development.

Internal Contacts: Senior Asset Engineer
Asset Engineers
Field Asset Engineers
Track Inspectors
Traction Field Engineers
Track Engineering
Traction Engineering

External Contacts: Vendor of automated inspection equipment & system

Key Accountabilities

Digital Inspections

- Verify all automatically identified defects presented on video images.
- Reject suspected defects discovered by artificial intelligent systems where incorrectly identified.
- Inspect and create any defects for track & traction infrastructure where automated defects are not detected, by using video images and other measurements available.

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<ul style="list-style-type: none"> • Complete all digital inspections discovered on the previous automated inspection run by the end of the following day.
Configurations of Inspection Systems
<ul style="list-style-type: none"> • Work with your team and Track & Traction Engineering teams to ensure the relevant Track & Traction Codes and Standards are correctly configured in the automated inspection systems. • Assist with the improvement of automated identification of defects from images by helping to confirm images or provide the system Vendor with additional information. • Work with your team and the ATIS Operator to ensure the automated track inspections provide coverage of all the track components within the required and scheduled timeframes. • Confirm on a regular basis that all systems are functioning as expected to perform your duties and ensure data is being forwarded to other relevant Asset Management systems. • Work as required with your team, ICT, and the system Vendor to ensure the automated inspection systems and measurements are functioning as expected.
General
<ul style="list-style-type: none"> • Contribute to team decisions and Toolbox meetings and foster a positive team working environment. • Maintain customer service focus and display professional behaviour when dealing with all immediate and extended team members and any external vendors. • Ensure all work is carried out in the most effective manner to maximise productivity of digital inspections. • Be prepared to travel as required for learning, development, meetings with extended teams or vendors as required to complete your duties. • Carry out any other such duties and responsibilities the company may require from time to time. • Ensure you clearly document your work activities and established files are clearly identified and filed correctly. • SME in providing plans to remediate and have a good understanding specifically of maintenance (replacement, part changes, asset management)
Learning and Development
<ul style="list-style-type: none"> • Undertake both On-the-Job-Training for the position and attend training courses run by company, or external parties where required to fulfil requirements of the position. • Acquire On-the-Job-Training competencies set for position. • Complete successfully training modules/courses necessary to carry out the role.
Zero Harm
<ul style="list-style-type: none"> • Responsible for complying with all rail safety system standards, procedures, and statutory requirements within your area of responsibility • Responsible for your own safety and that of other rail employees, contractors, and visitors within your work environment • Responsible for the identification, reporting and initial control of any safety or environmental hazard identified within your area to your immediate manager • Adhere to KiwiRail's health and safety requirements and take responsibility for maintaining a proactive approach regarding both personal wellbeing as well as

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that of fellow employees, associated client personnel, sub-contractors, and members of the public.

- Report all accidents and incidents to your immediate supervisor within one hour.

Person Profile

Essential:	Desirable:
<ul style="list-style-type: none"> • 10 years in track inspection or similar related role with field experience on rail track. • Experience and familiarity with all rail track components. • Experience and familiarity with track component measurements and charts. • Computer literate, with good knowledge of MS Office applications. • Experience in relevant testing, analytical, interpretation of AI and video skills. 	<ul style="list-style-type: none"> • Knowledge and understanding of rail traction overhead power components. • Experience of using Asset Management or ERP systems. • Experience with using video or still images to inspect and identify defects in rail corridor. • Experience with automated track inspection systems.

Education:

Essential:	Desirable:
<ul style="list-style-type: none"> • Certificate of Engineering/Electrical/Track 	

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