Over one million kilometres of railway track spans the globe creating complex networks. Currently, dozens of disparate tools are used to manage these networks. Owners and operators are faced with uncertainty and a sea of data, left to join the dots on their own and making critical decisions based on incomplete information. In an environment where even the smallest interruption can have serious social and financial implications, there needs to be a better way—a way to access a complete view of a rail network, operating in real-time.

**WILLOWRAIL - THE INTEGRATED RAIL ASSET MANAGEMENT SOLUTION**

WillowRail is a world-first integrated rail asset management solution that integrates disparate rail systems into one data-driven solution for owners, operators and maintenance work groups.

WillowRail integrates all sources into one cohesive and easy-to-use interface.

By storing, organising and managing the static, spatial and live data for all rail assets, WillowRail creates a data-driven digital rail network. Rail owners and operators are empowered through advanced technology to maintain the highest availability standards across light, heavy and commuter rail networks.

**BENEFITS**

**Up to 100% Availability**
Above all, rail systems and networks must keep running. The complementary combination of cutting-edge technology and deep industry knowledge increases uptime, and in turn, higher network availability (of up to 100%).

**Efficient Maintenance**
The WillowRail solution enables efficient failure detection and forecasting to improve the lifespan of an asset. This reduces reactive responses to faults and lowers associative costs. WillowRail’s analytic engine will enable the progression from preventative to predictive maintenance over time.

**Agnostic Ecosystem**
In-house data and tools are converged to create a single, seamless and intuitive platform. No longer viewed in isolation, all assets are liberated to co-contribute to a dynamic, integrated network.
WillowRail’s mission is to create a digital railway network that encapsulates all aspects of rail systems to improve the performance, management and experience of rail networks. This solution offers the rail market an integrated approach that combines asset management and maintenance, change management and a technology platform. This leads to substantial and effective transformation of rail organisations.

As a renowned technology company, Willow creates easy-to-use systems that optimise performance, enhance user experience and open new streams of revenue through data management expertise – turning data into real value.

**A Single Interface**
A single system drives deeper insights, proactive management and optimisation of rail networks. Clearly identify availability, punctuality, capacity, speed restrictions, interruptions and deviations all within a single interface.

**Corrective Maintenance**
Create, triage, assign, and track faults through their life cycle, decreasing total time to restore and improving visibility for all stakeholders.

**Mobile Response**
Maintenance work groups are armed with the shared knowledge and history of assets in their Smart device. With its real-time functionality, the WillowRail app allows Ticketing officers and owners alike to view location details, fault progress and actions executed by work groups all while having a direct line of communication, streamlining processes.

**Predictive Maintenance**
Utilising advanced algorithms and high-quality data, equipment can be monitored without human intervention to predict faults before they occur.

**Preventive Maintenance**
Dynamic schedules allow maintenance to be performed on ‘as required’ basis, driven directly by live data on asset health. This reduces fixed maintenance costs and provides operational flexibility in the maintenance of rail assets.

**THE PLATFORM**

WillowRail.com