

# **Railway Systems**



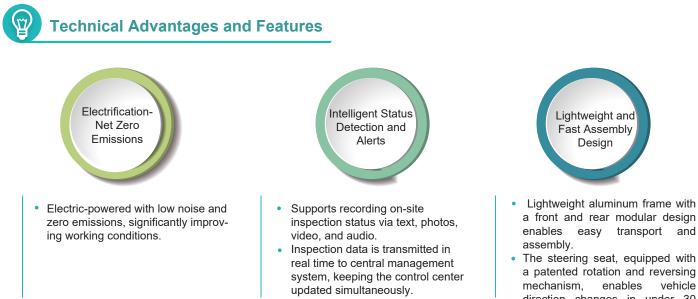
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# Intelligent Track Inspection Vehicle

This intelligent, electric, and lightweight rail inspection vehicle is designed for track maintenance. Integrated with the Permanent Way Information System (PWIS), it enables automated inspection and data reporting, reducing labor requirements and enhancing efficiency.



#### **Industrial Benefits and Business Opportunities**

The steering seat, equipped with a patented rotation and reversing mechanism, enables vehicle direction changes in under 30 seconds.

Industry Applications:

Railway Industry (e.g., trams, high-speed rail)

Application Examples:

Used for rapid track inspection to enhance inspection efficiency.





Lightweight vehicle body for easy carrying and assembly



Intelligent track inspection vehicle





Direction reversal of track vehicles within 30 seconds

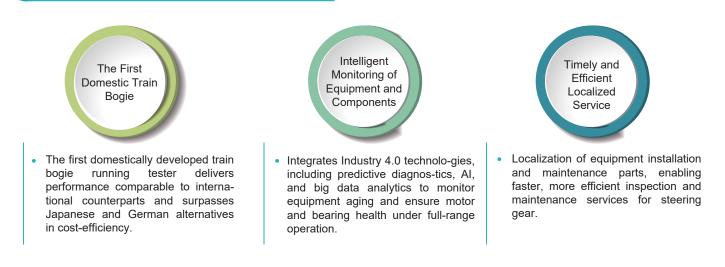
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## **Bogie Running Tester (BRT)**

Jointly developed by Industrial Technology Research Institute (ITRI) and Taiwan High Speed Rail Corporation (THSRC), The Bogie Running Tester (BRT) serves as an additional checkpoint in the bogie maintenance process. By simulating high-speed operation in the depot before mainline testing, it identifies potential issues in advance, enhancing maintenance quality and reducing time and labor costs.

#### Technical Advantages and Features



### Industrial Benefits and Business Opportunities

Industry Applications:

Railway Industry (e.g., trams, high-speed rail)

Application Examples:

High-speed, medium-speed, and low-speed railway operators in domestic and international markets.



Bogie Running Tester (BRT)

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