

TRAIN WEIGHING WITH ULTIMATE PRECISION



EXPERTS IN HIGH-SPEED TRAIN WEIGHING SYSTEMS



Railweight is the global leader in high-speed train weighing solutions. Pioneering advanced technology with decades of experience, Railweight is the market leader in providing industry-leading solutions for the rail sector.

Our advanced weighing systems provide a comprehensive, accurate, and cost-effective way to measure the weight of high-speed trains. This cutting-edge technology allows for more efficient operations, improved safety, and better control of operational costs.

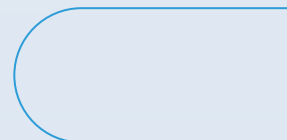


THE POWER OF DATA



Railweight's train weighing systems provide a wealth of data that can be used to inform decision making. Data can be used to analyse the weight of trains, determine the amount of cargo being transported, and track the health of the railway system.

This data can be used to make informed decisions about the performance, maintenance, and safety of the rail network, as well as providing valuable insights into the cost-effectiveness of operations.



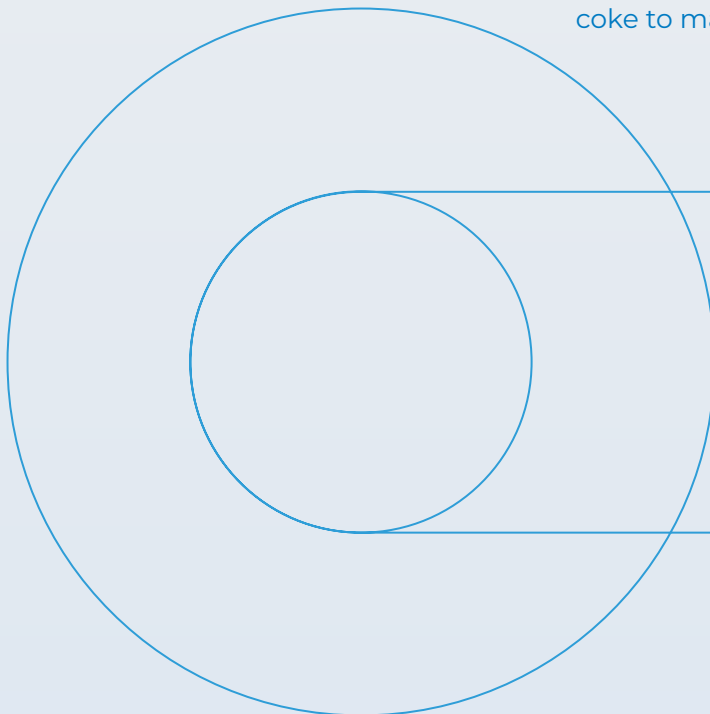


WHY WEIGH RAIL VEHICLES?



Weighing is essential for cost control and safety in rail operations, from tracking product shipments to avoiding overloading penalties.

- 01** Protect your bottom line: Calculate the mass of wagons to maximise freight revenue collection by accurately invoicing clients for the exact amount of product shipped. As a customer, you can rest easy knowing that your shipper is not overcharging you.
- 02** Mitigate risk: Avoid overloading (which can damage wagons and infrastructure) and eccentric loading (which can lead to derailments). Weighing rail wagons can also be used to detect product leakages or theft.
- 03** Asset management: Minimise high impact loads which could damage assets, particularly at track discontinuities such as track joints, turnouts, and crossings. Achieve optimal weight distribution when manufacturing or repairing locomotives.
- 04** Optimise performance: Modify load control to fine-tune material flow parameters during bulk loading to maximise yield without exceeding the loading capacity. Improve production control in batching applications, such as charging the furnaces producing coke to make iron.



WEIGHING SOLUTIONS PERFECTLY TAILORED TO YOUR NEEDS



Our team of experts are committed to creating custom weighing solutions that meet the unique needs of each customer. By combining our key system components, we can tailor solutions to fit any application and budget.

Weighing transducers: These are used to measure the strain on the track, which is then converted into an electrical signal and analysed to determine the weight of each wagon.

The type and quantity of weighing transducers for each site depends on the requirements for speed, accuracy, and whether they are weighing statically or dynamically.

Weight processor: The weight processor uses the transducer output to measure the weight of the cargo on wagons.

Railweight can provide a solution for basic check weighing needs, all the way to a remotely managed, fully configured, and PC-controlled legal for trade system.

Automatic Vehicle Identification (AVI): AVI systems can be integrated into any Railweight solution to automatically recognise vehicles. This enables monitoring of the entire wagon fleet and product movement on an individual wagon basis.

Connectivity and networking: Whether it's a single system or a multi-site network, there are a variety of software solutions available to provide the required train data in the desired level and detail.

TRUST THE EXPERTS

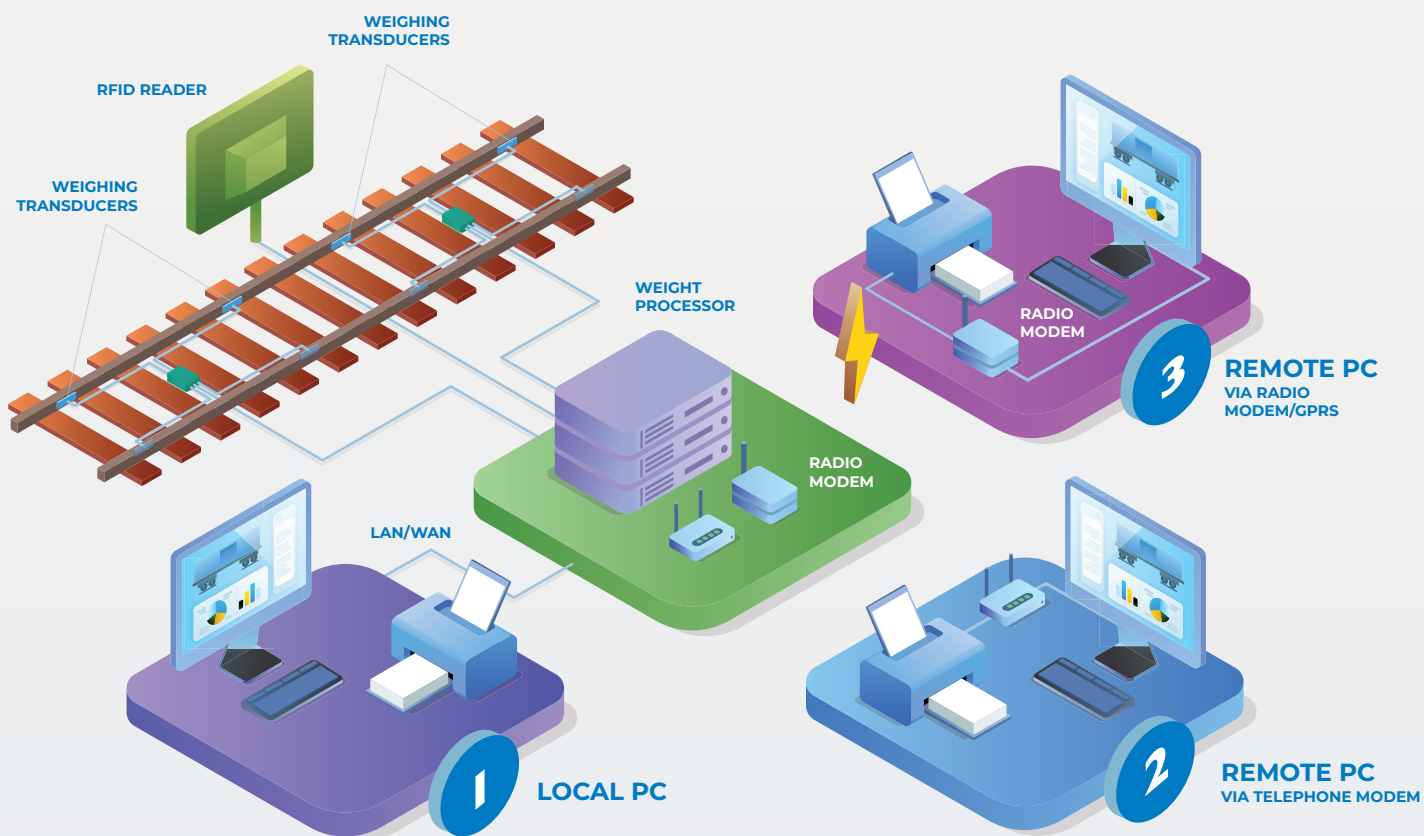


A partnership with Railweight goes beyond developing and installing your system.

Our worldwide team of experts offer personalised support and guidance to ensure your rail weighing system continues to run efficiently, year after year with individual service plans designed for your bespoke system and its particular usage.

We can also provide commissioning, training, spares, and static and dynamic calibration services for both new and existing installations, in compliance with international metrology regulations.

With over 1000 rail weighing systems installed globally, Railweight is the industry's trusted name in reliable and accurate train weighing solutions.





For more information or to request a demo,
please contact Railweight at:

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