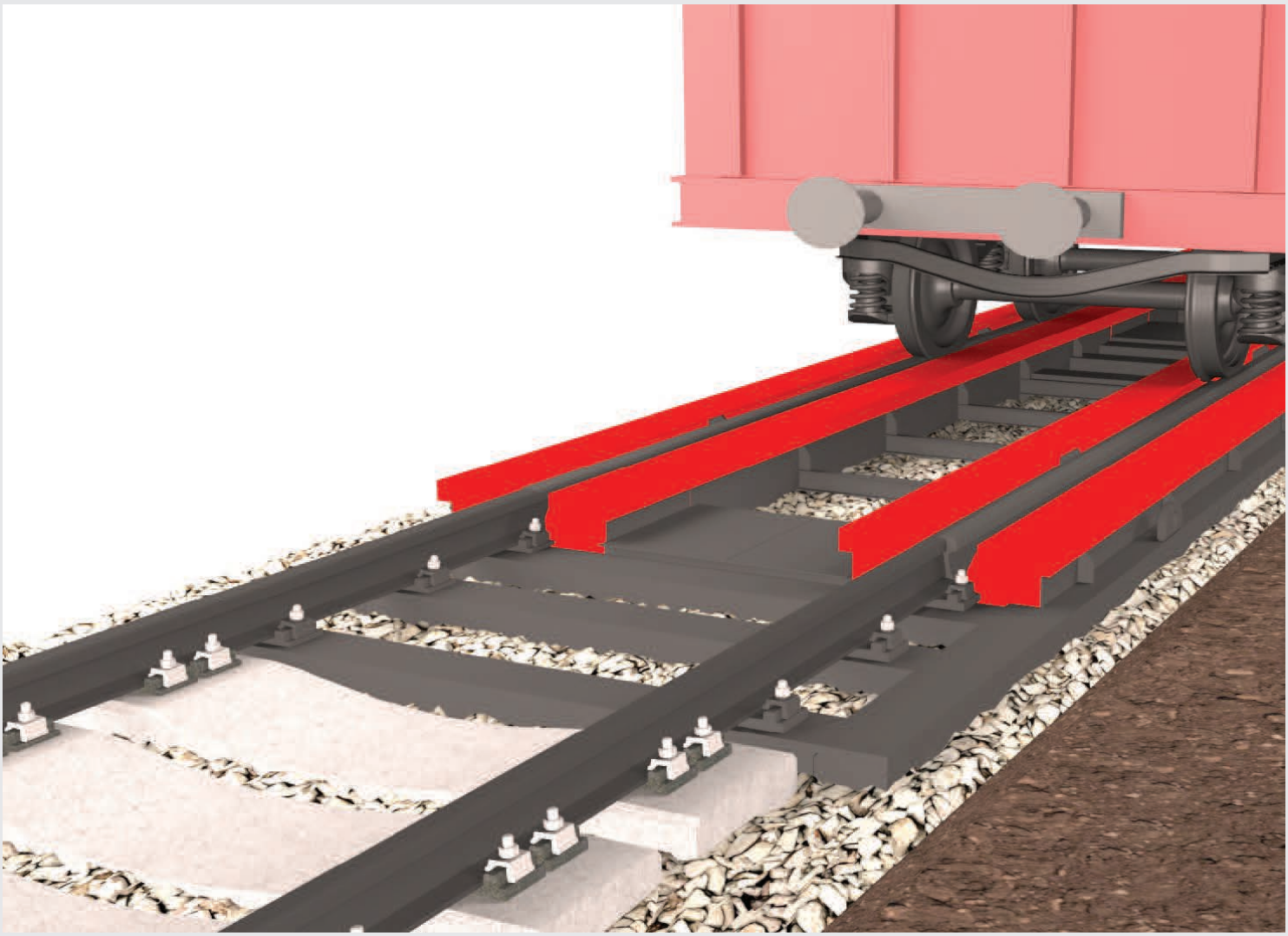
WE MAKE IT EASY.



RAILWAY SCALE 14-64 DYNAMIC

The system dynamically weighs trainsets in motion, whether pulled or pushed (typically at speeds up to 10 km/h). The weighing is performed while the train is moving, with each wagon's weight recorded as the sum of two axles/bogies.

The system ensures excellent stability and high reliability, built on a proven design that has been refined over time and uses high-quality components.

It automatically detects wagon type, train direction, number of wagons, and speed. Locomotives are automatically excluded to ensure accurate reporting. The system, completely free of moving parts, is cost-effective and easy to maintain and calibrate according to OIML regulations.

The scale is installed directly on the ballast bed without the need for a concrete foundation, which significantly simplifies and shortens the installation process. The weighing modules are delivered preassembled, ready for placement and connection.

- Robust and compact design – all-steel construction with outstanding strength and precision
- No pit or concrete required – installed directly on the railway bed
- Quick installation and commissioning – typically completed within two working days
- FLINTAB support – our technicians assist during installation
- Low-profile design – only 34 cm structural depth below the sleeper
- Modular design – complete weighing bridge delivered ready for assembly
- Easy maintenance – all components, including load cells, are accessible from ground level
- Factory tested and calibrated – delivered verified and ready for operation

RAILWAY SCALE 14-64 DYNAMIC

THE SYSTEM CONSISTS OF THE FOLLOWING SUBFUNCTIONS:

The weighing bridge consists of a steel module with four load cells.

» Capacity: (load on the scale at one time) 60.00 tons

» Weighbridge length: 8200 mm (2000 mm inactive + 4200 mm active + 2000 mm inactive)

Wagon identification equipment

» Wagon identification is carried out using dual sensors at both ends of the scale. These sensors are completely maintenance-free and easy to install.

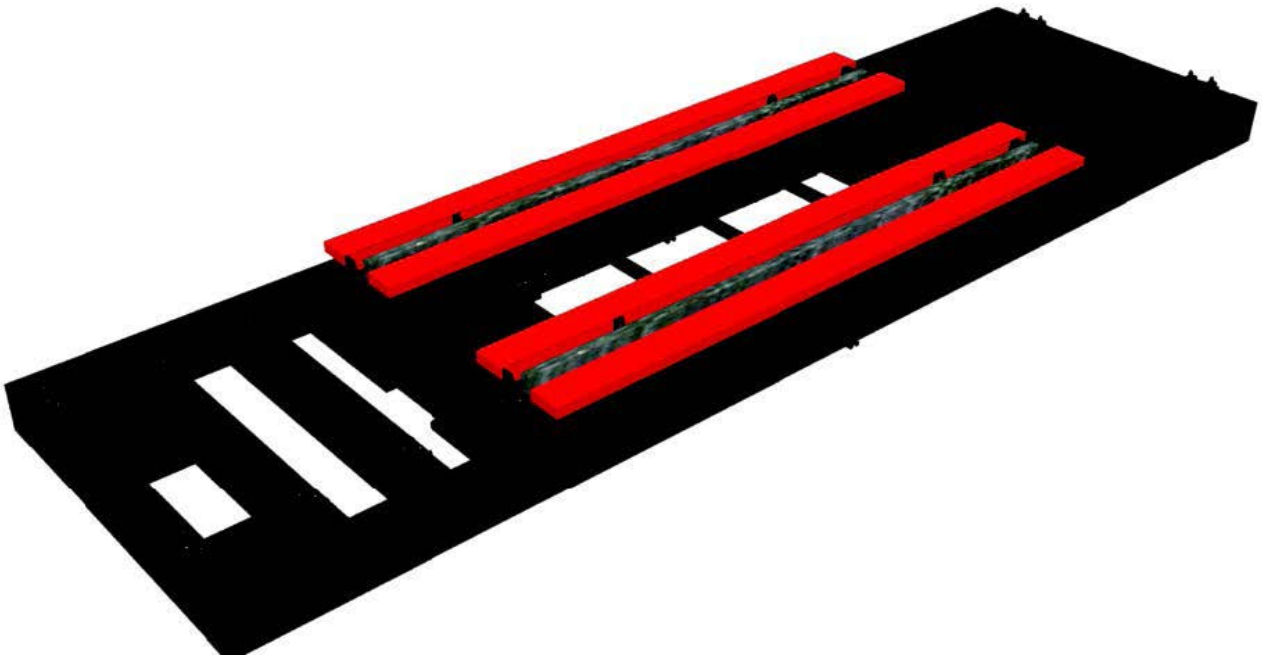
Electronic weighing equipment (MCU)

Consists of an instrument (DWI) from SysTec, where weighing, analysis, and data collection of axle/bogie weights are performed. The information is collected in a panel PC that provides an interface for operator monitoring.
The data is integrated via LAN with the (DPR). The entire weighing process is designed to operate fully automatically, and all equipment is housed in a robust ground cabinet next to the scale.

Data processing and reporting electronic device (DPR)

This unit does not affect the weighing process. Weighing data such as wagon weights, total train weight, operating speed, train identification number, weighing date, and time are automatically processed by the (MCU) independently of the (DPR).

Its role is to retrieve data from the (MCU) and the operator (such as product, supplier, customer, consignment note, etc.) for monitoring, processing, and reporting. The (DPR) consists of a PC with licensed weighing software and a printer for generating weighing documents. (The computer is placed freely and connected to the LAN under the buyer's responsibility.)



FLINTAB WEIGHING SOLUTIONS

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