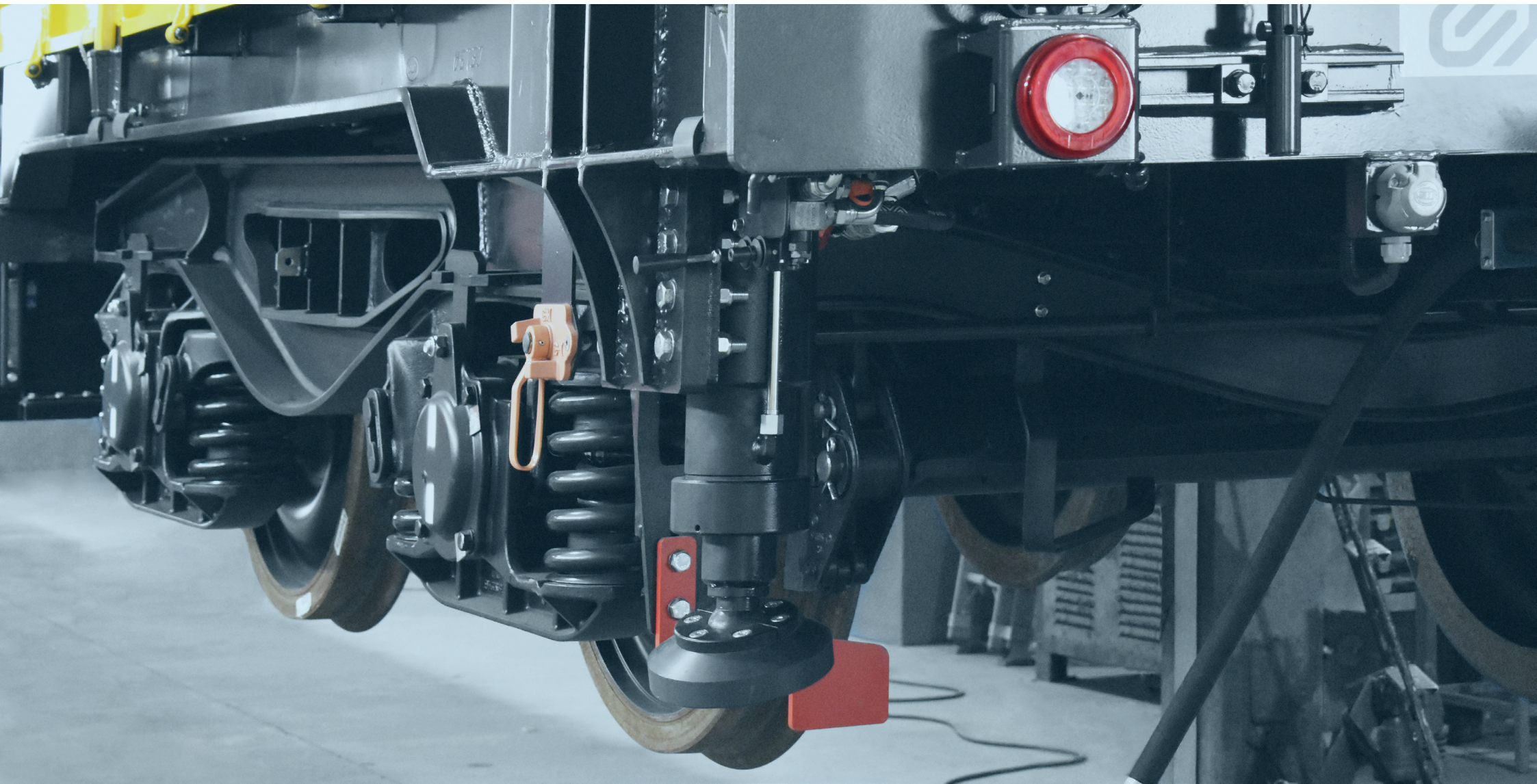




TECNOVE

"Wherever you need us"

SPECIAL RAILWAY VEHICLES



TECNOVE

TECNOVE is a company founded and established in Herencia, Ciudad Real, that carries out its activity in different sectors. Its work and evolution are marked by quality, innovation and customer service.

Its main lines of business are:



Vehicles

Design, manufacture and maintenance of bodyworks and special vehicles



Containers

Design and manufacture of containers and shelters for all types of uses and activities



CSC | Catering · Services · Construction

Construction of modular facilities, maintenance, cleaning, catering, etc



Forestry management

Advice and management of agricultural holdings. Forestry planning and operation

TECNOVE

BUSINESS GROUP

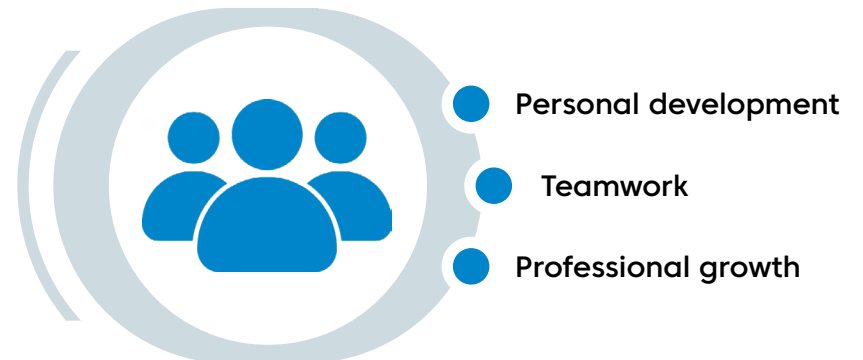
TECNOVE is part of a trade group made up of 10 companies that carry out their activities together in the **TECNOVE Business Group**.

This adds to the business lines image and furniture solutions, telecommunications, energy and remarketing.

TECNOVE



**People,
the epicentre
of our culture
and principles**





Vehicle solutions · Railway

At **TECNOVE** we work daily on the design, calculation, and construction of state-of-the-art railway equipment.

We manufacture various types of vehicles according to the work to be carried out, and in accordance with our customers' specifications and international regulations. These may include additional equipment such as cranes, lifting platforms, reel carriers, catenary line-laying equipment, generators, sweepers, snow ploughs, rescue and derailling equipment, among others.

We offer a variety of rail vehicle solutions, including:

Rail-road vehicles



Large tonnage specials



Wagons





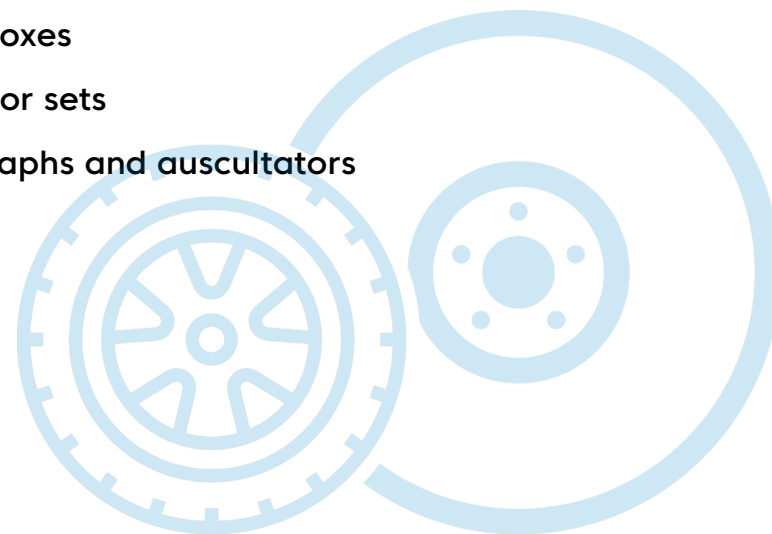
Rail-road vehicles

We adapt any type of vehicle and industrial machinery to **circulate both on railways and roads**. Depending on their use, they will be:

- Railway track and overhead line maintenance vehicles
- Recovery, emergency and/or rescue vehicles
- Cleaning vehicles

To perform these operations, they may include special equipment such as:

- Cranes
- Lifting platforms
- Cleaning equipment / Sweepers
- Cargo boxes
- Generator sets
- Pantographs and auscultators



Vehicle

Rail-road vehicles

Guide diplorys

The traction of the vehicle is provided by the pneumatic wheels themselves (which have to tread on the rails) and the railway wheels (diplorys) act as guides

Rear-wheel drive (2 wheels)

All-wheel drive (4 wheels)



Tractor diplorys

The traction of the vehicle is provided by the railway wheels (diplorys) by means of different types of systems:

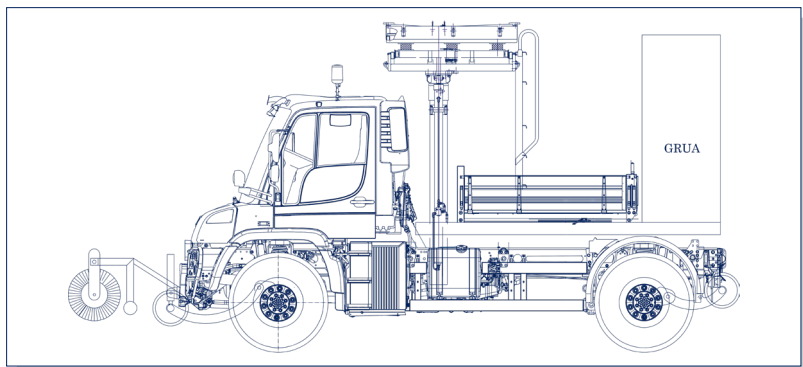
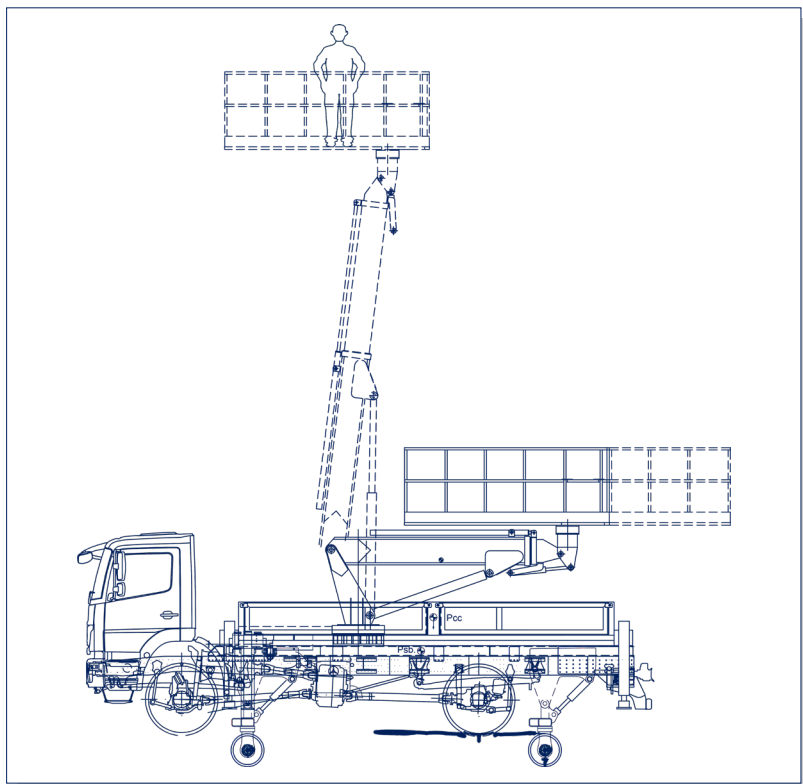
Roller friction drive

Hydrostatic drive





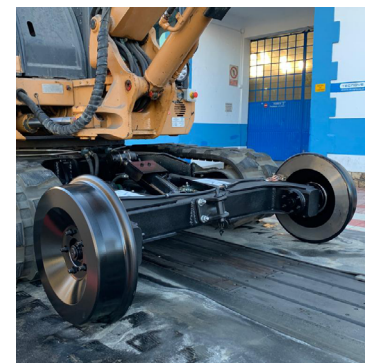
Quality standards



Vehicle
type-approved
by the country
of destination

TECNOVE

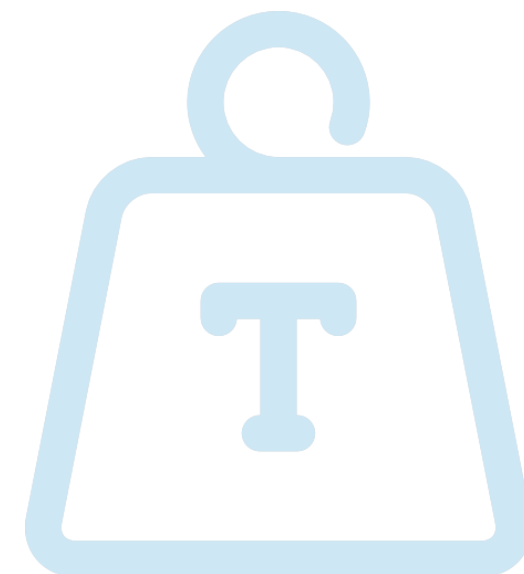
Rail-road vehicles



Large tonnage specials

Heavy-duty bimodal rail-road vehicles can be used for a **variety of applications**, from transporting heavy machinery to rescue work.

In addition, **these vehicles can be equipped with various options**, such as high-capacity loader cranes, containers for special railing equipment, water tanks and all the necessary applications requested by the customer.





Vehicle

Large tonnage specials

Rolling system

Via bogies or axles depending on loads and the optimum weight distribution

Design

Safety against derailment, braking capacity and optimal traction on rails

Possibility of running on

1435mm and 1668mm track gauges

Hydrostatic traction

The vehicle tyres have no contact with the rails. When the vehicle travels on the railway track, it rests entirely on the railway wheels

Special cranes

High load capacity with maximum efficiency, such as lifting and towing wagons in the event of an accident

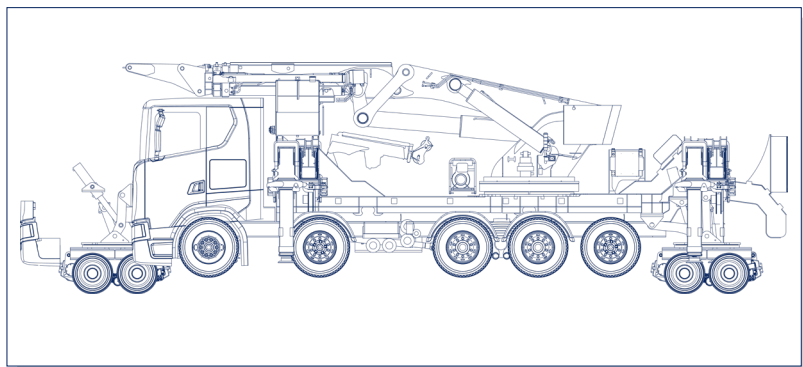
Switching from road to rail

Quick and easy, positioning rail wheels on rails without taking up space on adjacent tracks and short track crossings





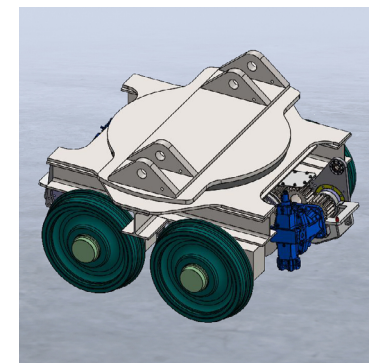
Quality standards



Ability to
adapt our
implementation
to different
vehicles and
cranes

TECNOVE

Large tonnage specials



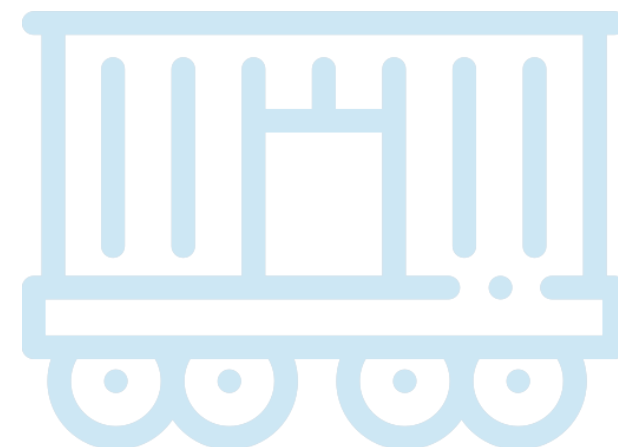


Wagons

We design and manufacture **special railway wagons**, customizable for different uses or operations according to the needs of our customers.

Wagons can be designed for specific loads; platform wagons without sides for transporting loads of various sizes, open hopper wagons for transporting ore or ballast, closed wagons with sides and roof, workshops and mobile offices.

All wagons can be supplied for different track gauges depending on the railway infrastructure of the destination country.



Vehicle

Wagons

Basic structure

Longitudinal and transverse steel beams connected by means of welding

Anchorage of wagon elements

Wheels, brakes or pneumatic elements shall be welded to the frame

Surface finish

By shot blasting process

Surface coating

Rust preventive primer + paint in the RAL colour specified by the customer

Track construction

Axles and bogies + brake and traction assembly

Braking system

Railway TFA

Compatible with towing vehicle

Length

From 4m to 23m

Weight

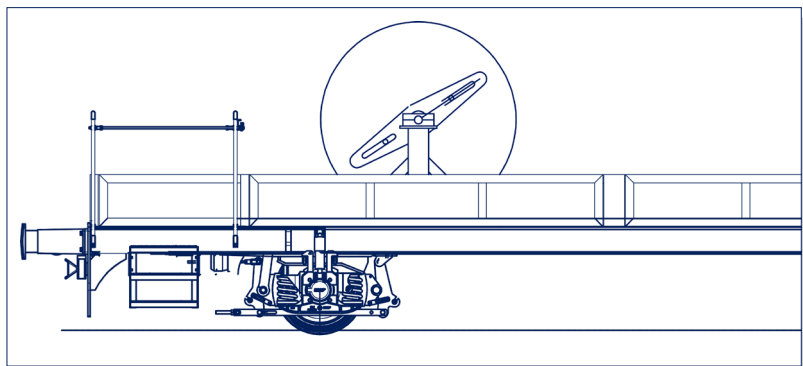
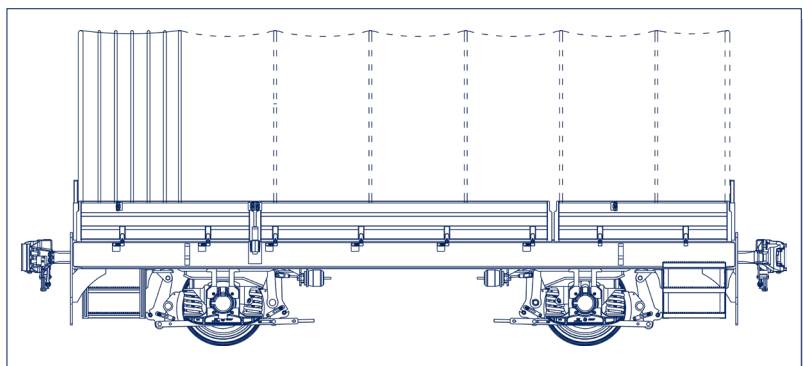
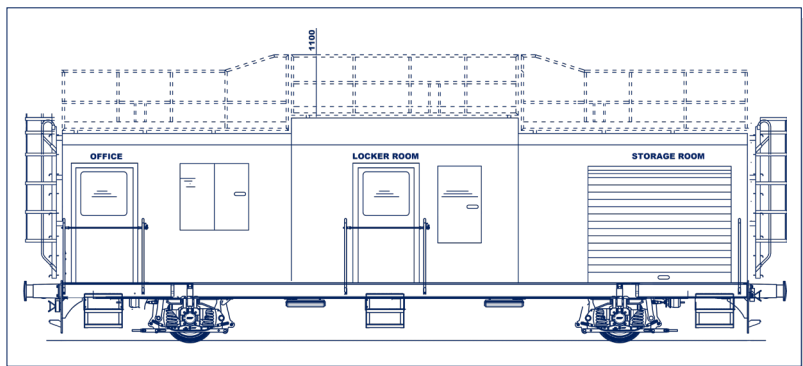
From 3tn to 40tn



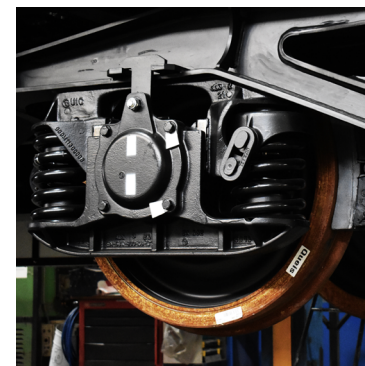
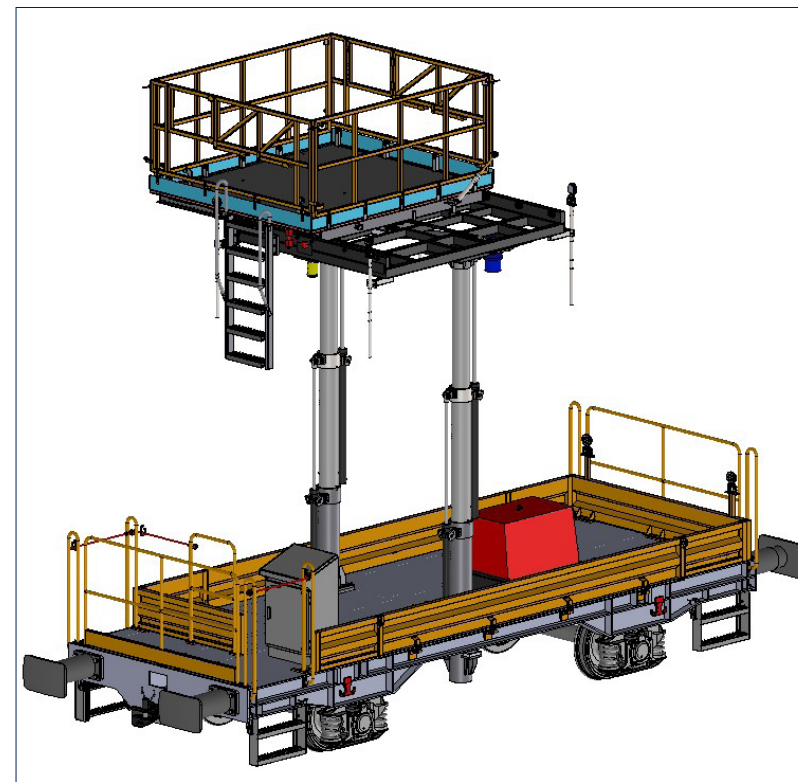


Quality standards

Wagons



Wagons
adapted to
the different
rail gauges



TECNOVE

“Wherever you need us”

April 2023

For more information please do not hesitate to contact us,
we will be pleased to help you



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