

# ENERGY

WE ENERGIZE  
THE WORLD

# BALANCE WEIGHT SYSTEM

FOR ALL YOUR RAILWAY NEEDS



# IN FAVOUR OF BALANCE WEIGHT SYSTEMS

DESIGNED FOR RAILWAY ELECTRIFICATION SYSTEMS

**Mosdorfer Rail's balance weight systems can be used on high-speed lines and tramways.**



Modern railway tracks place extremely high demands on their Tensioning systems.

Our Balance weight system is an advanced Tensioning system designed for railway electrification systems, specifically for overhead catenary systems (OCS). This product ensures constant tension in the contact wires, accommodating changes in temperature and mechanical loads, thereby improving the reliability and efficiency of the railway power supply.

Balance weight systems from Mosdorfer Rail are innovative solutions designed to stabilize and maintain the alignment of railway tracks, especially in areas where the track movements or temperature variations can lead to misalignment.

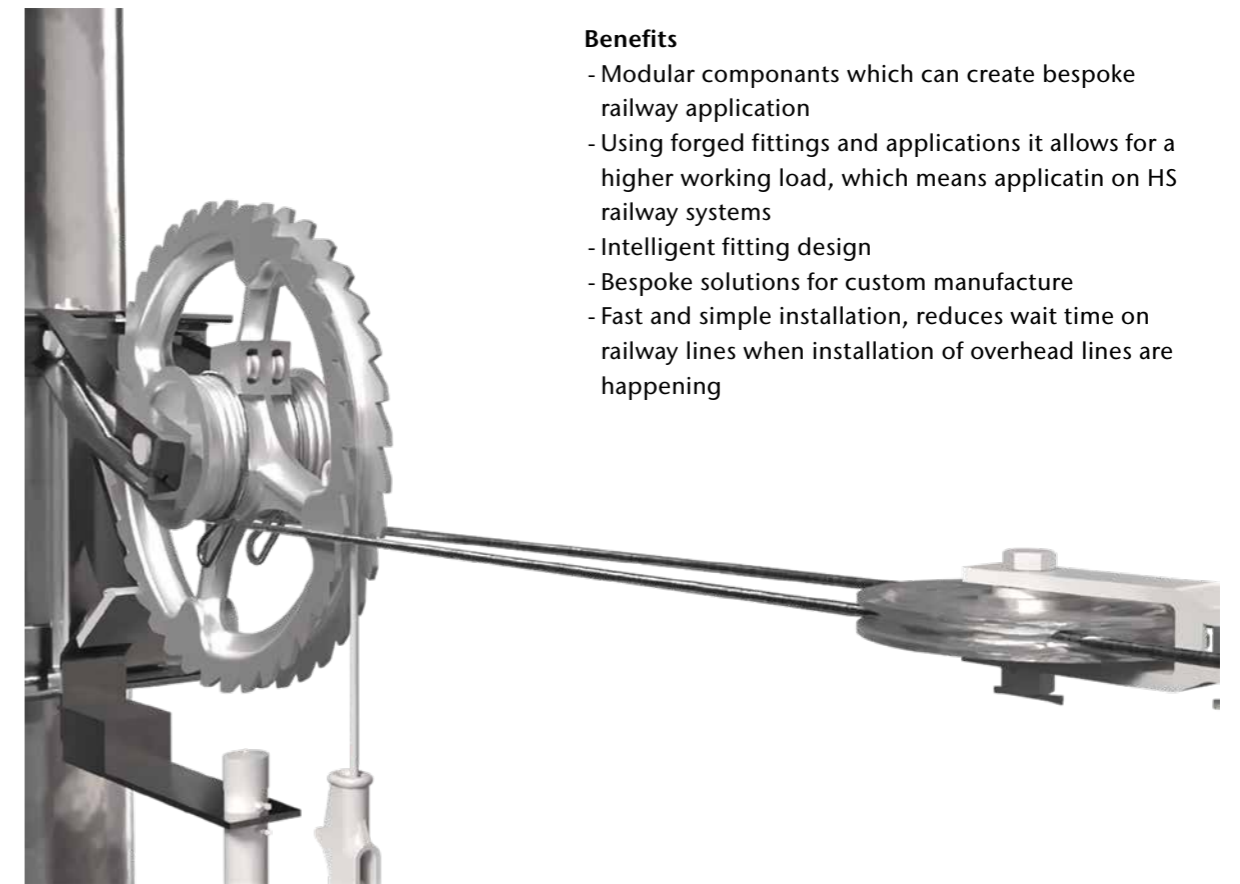
These systems are a key part of track geometry maintenance and play an important role in enhancing safety and longevity of rail infrastructure.

## How it works

Balance weight system works by applying tension to the catenary system whilst allowing for any movement due to expansion or contraction of the wire. It is commonly used on electrified railways providing a constant tension for the overhead lines.

### Benefits

- Modular components which can create bespoke railway application
- Using forged fittings and applications it allows for a higher working load, which means application on HS railway systems
- Intelligent fitting design
- Bespoke solutions for custom manufacture
- Fast and simple installation, reduces wait time on railway lines when installation of overhead lines are happening



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