

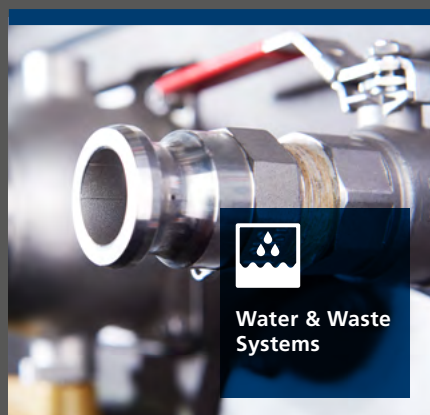
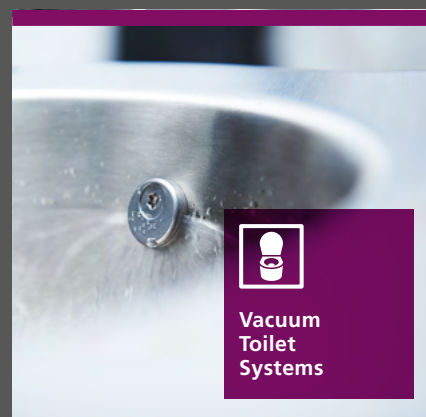
# Integrated Door Gear Systems



Cabin Interiors

# Product Overview

The vital ingredient for truly exceptional results



- » Every single product designed to meet highest technical expectations
- » Continuous innovations and updates guarantee future-proof investments
- » All products extensively tested and tailored to our clients' specifications

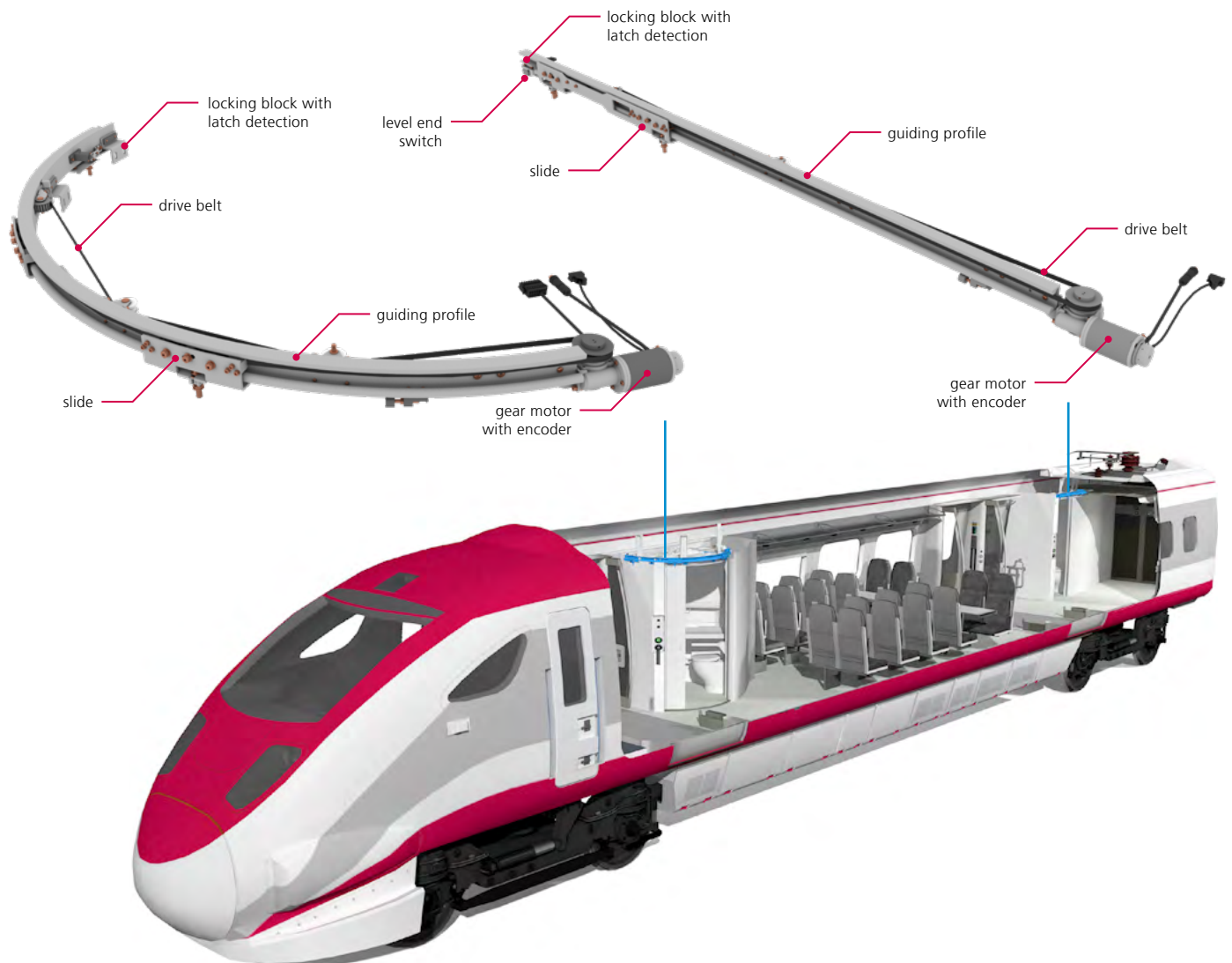
# Integrated Door Gear Systems

Straight. Curved. Perfect. And built to last.

## System Design

Available as both a straight and a curved version and easy to customize, Evac's electric door gear is always a perfect fit. In every respect, both versions and all their components have been designed to last. Special attention has been spent on keeping maintenance to an absolute minimum. For example, the use of special, wear-resistant materials contributes significantly towards smoothly gliding doors and an excellent user experience for extraordinary long timeframes without servicing. The built-in locking block includes latch detection within the installation space of the door gear itself.

The same level of excellence is evident in Evac's built-in door control. Seamless integration with Evac's Modular Logic Controller (MLC) removes the need for extra controllers and handles the smooth interplay of all components. This also helps to save space and to reduce the complexity of information processing. Easy adjustment of opening and closing parameters and system condition checks can be performed via full-text display or laptop. The system software easily copes with typical challenges such as obstacle detection and dirt intrusion. And of course, all units feature Evac's rigid quality testing and full compliance with TSI-PRM standards.



## General Technical Data



Installation dimension: **I** 100 mm



24 V DC (+/- 30 %)



EN 50155, DIN EN 50128,  
EN 45545, TSI-PRM 2014



< 45 dB(A)



55 W (operational)

## Controller Components

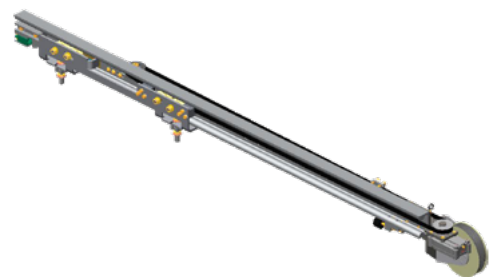


Evac's Modular Logic Controller (MLC) integrates the door gear seamlessly, making any extra door controllers redundant. By integrating the door gear control with the centralized system controller, the interaction of all components is managed smoothly, reducing complexity as well as space requirements for the entire system.

The MLC also offers efficient diagnosis, maintenance and updates via built-in Webserver.

## Manual Door Gear

Extremely light and robust, our manual door gear remains fully operational even in case of pneumatic pressure loss or power failure. Its parts and components are almost identical with the electric door gear, allowing for easy and cost-efficient maintenance and part replacement with one shared construction kit as well as advantageous economies of scale and optimum availability. It can be opened with minimal force (<60N) and is fully compliant with TSI PRM 2014.



# Evac Train – Integrating Excellence



For more than 40 years, Evac solutions have been known for outstanding reliability, efficiency and low maintenance. As the world's leading provider of completely integrated sanitary systems for trains, we have been generating state-of-the-art components with "built-in" field experience of about 100,000 vacuum systems installed worldwide – and counting.

With extensive expertise and rigid quality assurance, we develop and integrate high-class components into seamless systems that, just like railways, are much more than the sum of their parts – individually tailored for the demands and conditions of vastly different markets in many countries. Introducing a maximum level of performance and stability into any system while using minimum resources and space is our day-to-day business. This is why integrating Evac is integrating excellence.

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