

# RopeTwin



PRODUCTS

 **BARTHOLET**





# Aerial tramways – mastering the challenge

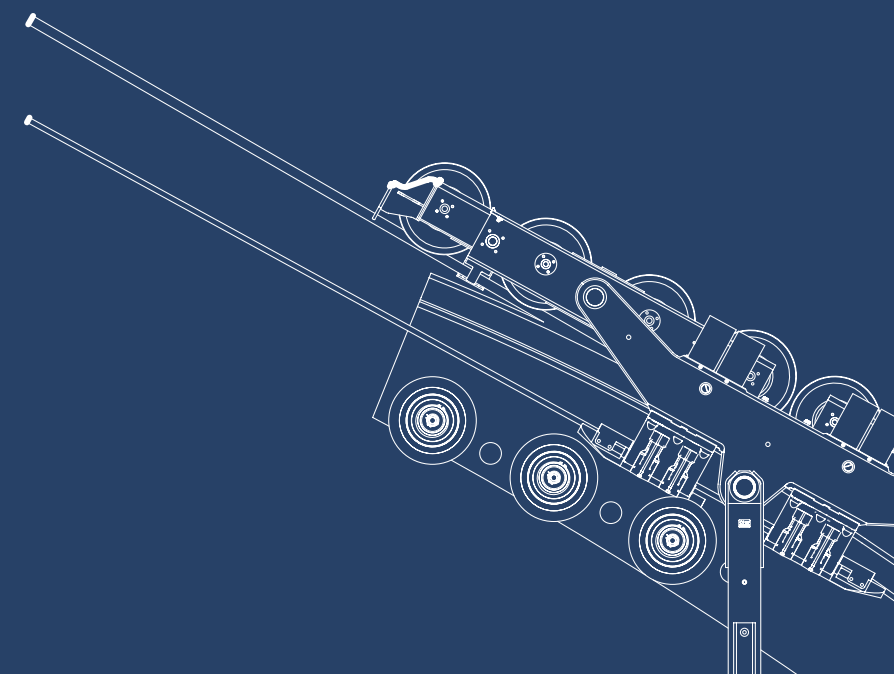
Aerial tramways are the ideal solution for overcoming even the most challenging terrain.

Whether steep mountain slopes, deep gorges or wide rope spans – aerial tramways provide access to remote areas that are difficult or impossible to reach by other modes of transportation.

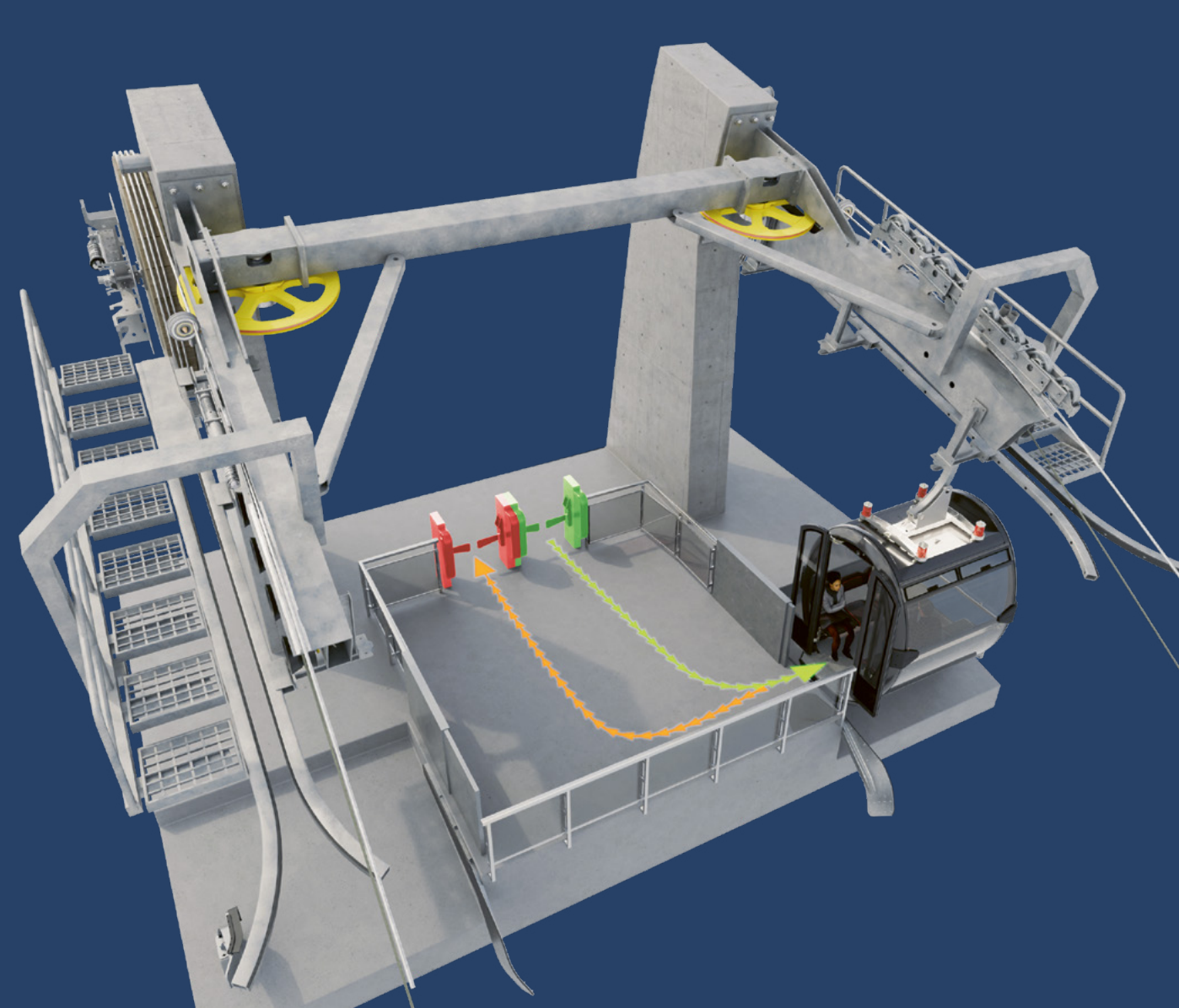
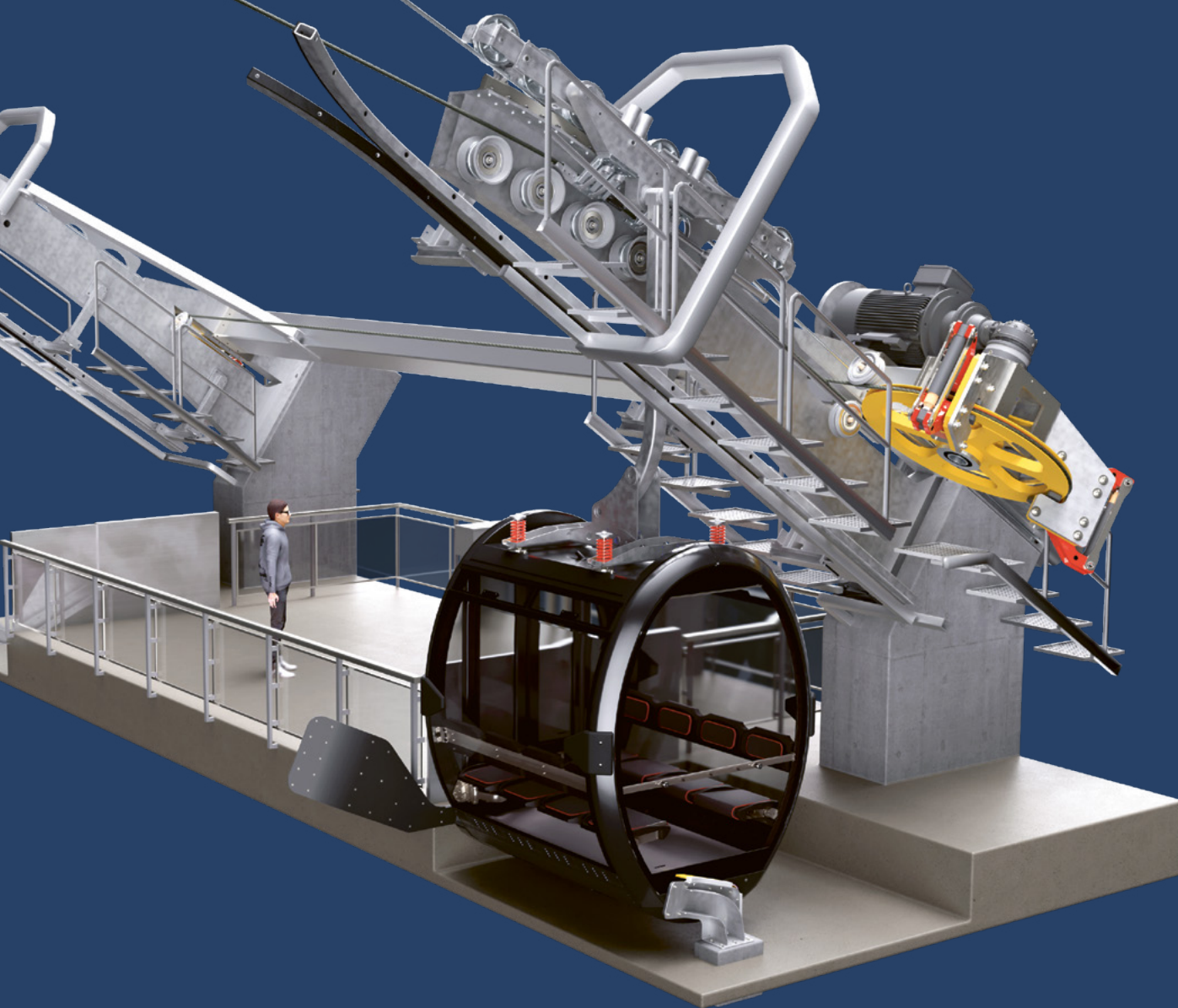
Thanks to continuous development, our latest generation of aerial tramways offers even greater efficiency and performance. By using proven components across the group, we ensure maximum compatibility and flexibility.

The modular and compact design meets high standards, enabling rapid project implementation. When boundaries are pushed, Bartholet stands out with innovative solutions.

Another key feature of the latest generation is its excellent serviceability, which simplifies maintenance work and thus significantly reduces operating costs.







# Stations

## Station layout

- › Concrete support
- › Track width: max. 11 m
- › Incline: max.  $\pm 40^\circ$
- › High cross girders facilitate passenger access

## Rear access

- › Suitable for all station inclines

## Front and rear access

- › Improved passenger flow and therefore increased transport capacity

## Station saddle

- › Modular deflection angles

## Exterior maintenance platform

- › For optimum access to cable pulleys and running gear components
- › The vehicle can be serviced directly at the station saddle

## Start ramp

- › To reduce the start-up and power input by up to 20%

## RopePilot

- › Various solutions for unmanned stations – from semi-automatic to fully automatic ropeways

## Drive

- › Power: max. 220 kW
- › Service brake: controlled for improved comfort

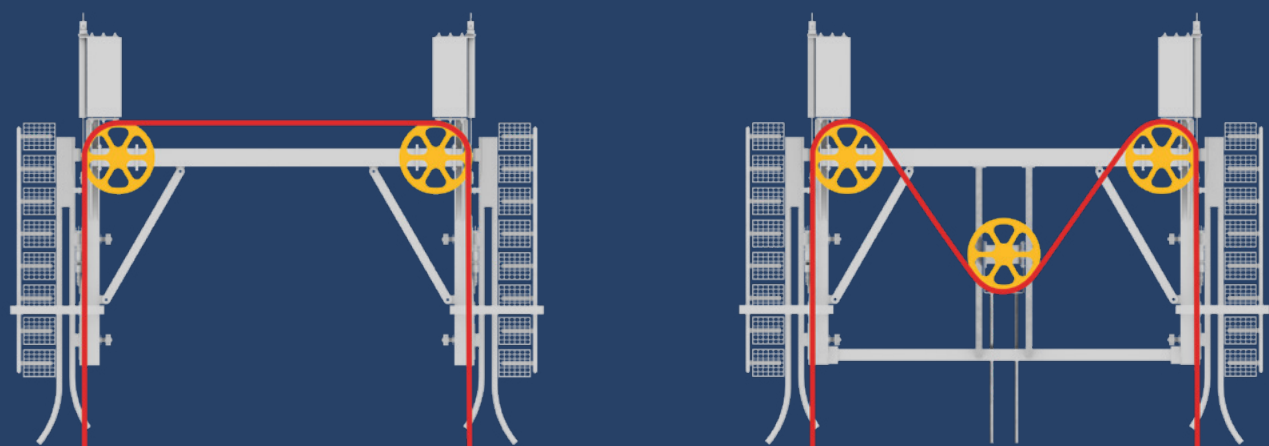
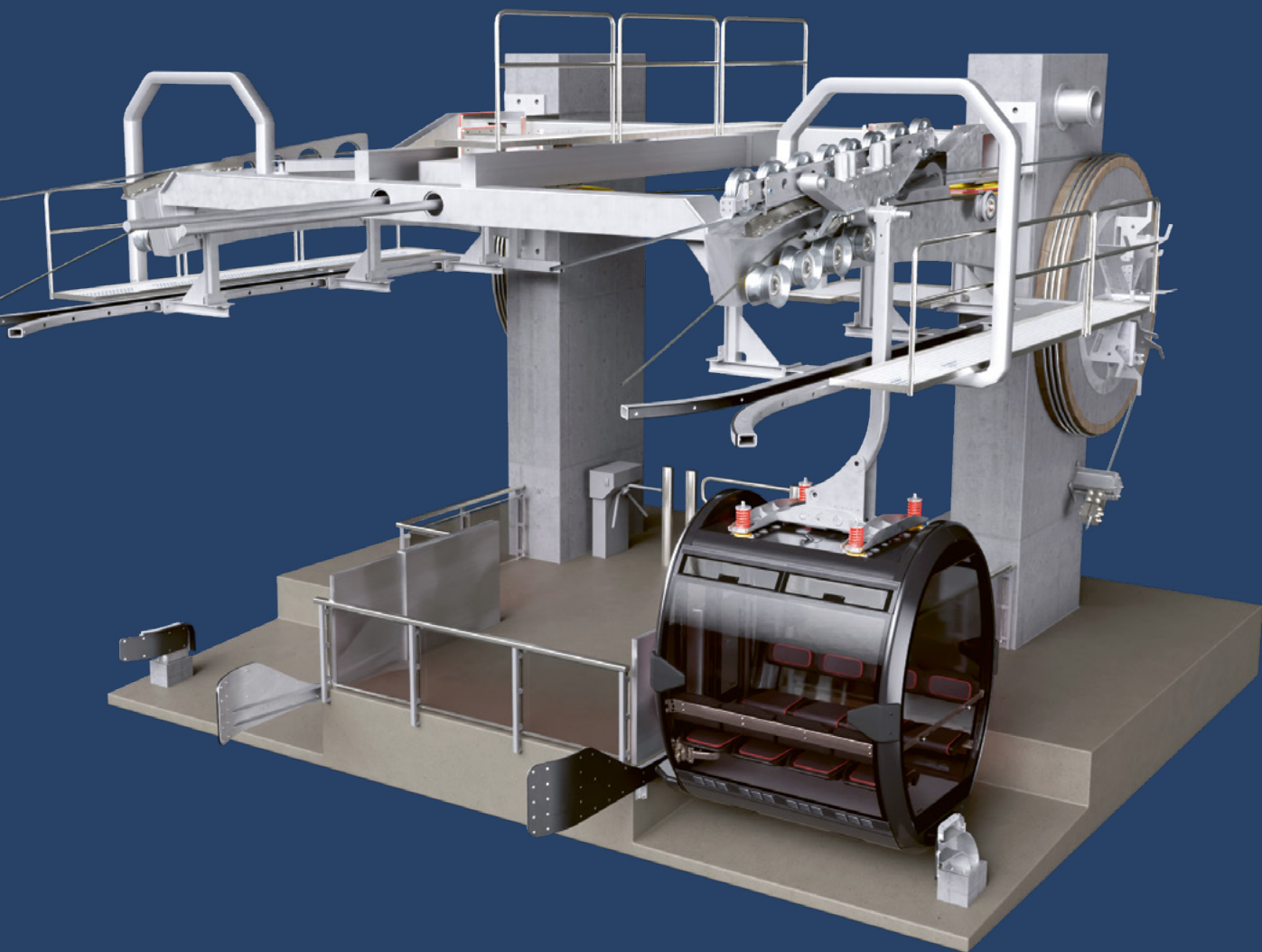
## System data

- › Speed: max. 7 m/s
- › Incline: max.  $50^\circ$  along the route

## Optional

- › Omission of station roof
- › Cushioned cable pulleys for even more comfort





## Tensioning systems traction rope

### Fixed tensioning

- › Cost-effective in procurement

### Adjustment device

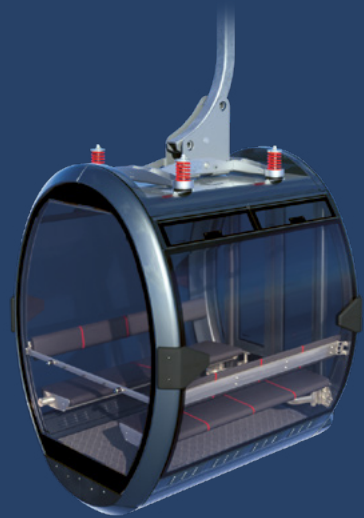
- › 2.5 m adjustment range
- › Minimises the need for resplicing

### Hydraulic tensioning device

- › 2.5 m tensioning range
- › Minimises the need for resplicing
- › Constant cable tension



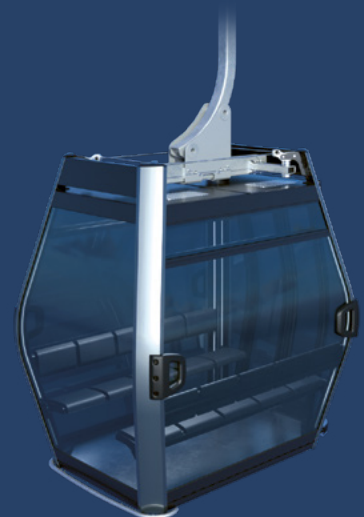




# Vehicles

## Panorama cabin

Our Panorama cabin, designed by Studio F. A. Porsche, accommodates up to 15 people and enables efficient passenger transport. With a 90 cm wide door opening, it is ideal for transporting materials.



## Sigma cabin

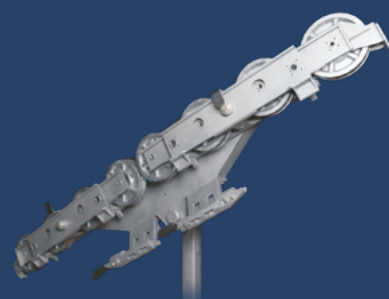
Sigma's proven cabins offer space for up to 18 people, thus extending the capacity limits of small aerial tramways. It features a sophisticated design, high quality and comfort. Ideal for a safe and pleasant ride.



## Material and maintenance vehicle

With a maximum payload of 1200 kg, it is particularly suitable for transporting materials and for maintenance work.

**Optional:** Also suitable for passenger transport.



## Running gear

The 8-roller running gear clamped to the traction cable is particularly compact, which benefits adjacent assemblies. Thanks to the innovative polyamide rollers, noise emissions are reduced, making the ride particularly quiet and pleasant.

**Optional:** Tool for easy decoupling of the running gear from the traction cable for deicing runs.







## Support towers

The proven tower construction used with ropeways is also used for aerial tramways. The optimised tower saddles reduce both the tower and foundation forces.

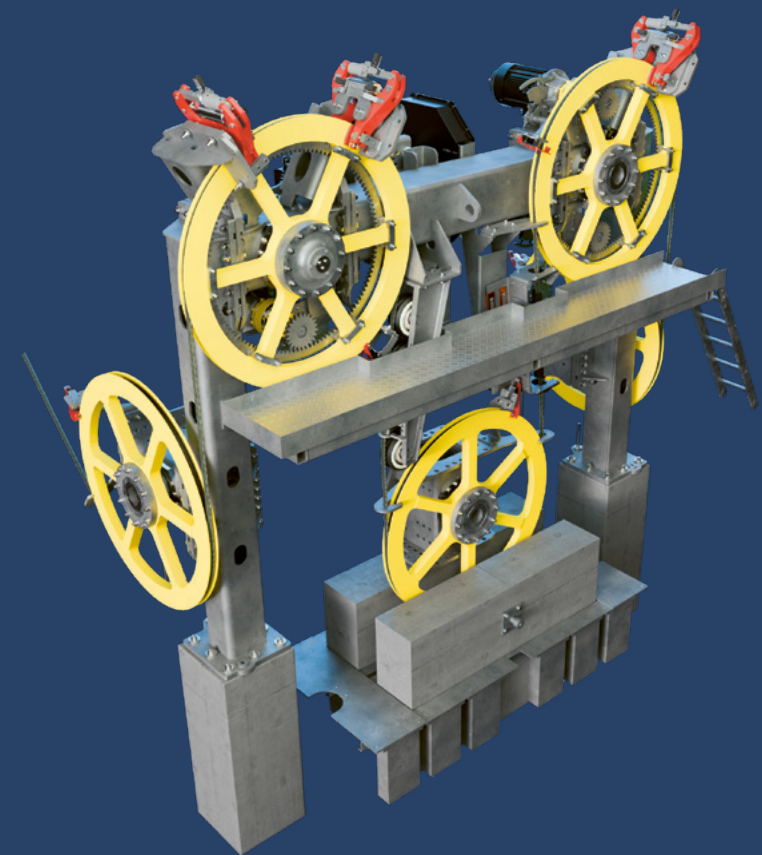
Particular attention was paid to serviceability, such as roller removal without dismantling the bracket.

**Optional:** Damped cable pulleys for even more comfort.

## Recovery and rescue system

Our traditional recovery systems feature reliable and proven solutions for the fast and safe evacuation of passengers in the event of an emergency.

**Optional:** Bartholet Evacuation System (BES) This system for evacuating the aerial tramway ensures that the vehicles can be conveniently returned to the stations without passengers having to transfer to mountain lifts or be lowered by rope.



## Retrofit

Your tramway needs a retrofit or a performance upgrade? We would be happy to share our expertise and innovative approaches with you to make your tramway sustainable and efficient again.

Your tramway and your needs are at the centre of our work, from project planning to commissioning. The components developed for standard aerial tramways can be seamlessly integrated into retrofits and tailored to your specific system. This significantly reduces downtime during conversion.

We look forward to assisting you in implementing the best technical and economical retrofit solution.

More information on  
aerial tramways can be found at  
[www.bartholet.swiss](http://www.bartholet.swiss)



**Represented Worldwide  
with Swiss Quality,  
Design and Innovation.**