

# Doppelmayr Cable Liner®

Dalibor Vodenicarski, 22 March 2024

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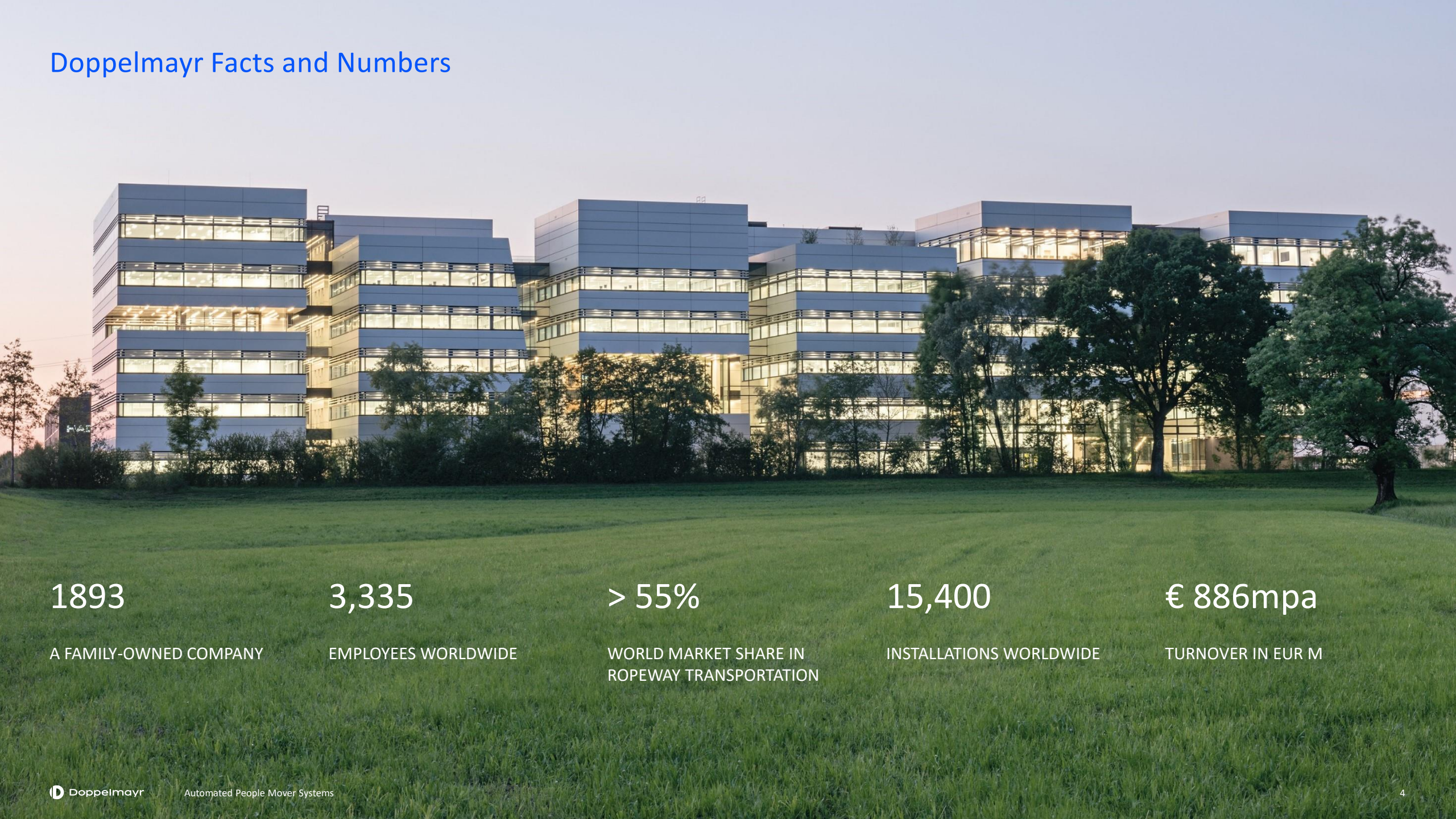
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# Doppelmayr Facts and Numbers



1893

A FAMILY-OWNED COMPANY

3,335

EMPLOYEES WORLDWIDE

> 55%

WORLD MARKET SHARE IN  
ROPEWAY TRANSPORTATION

15,400

INSTALLATIONS WORLDWIDE

€ 886mpa

TURNOVER IN EUR M



Doppelmayr Markets





# Specialized In-House Manufacturing



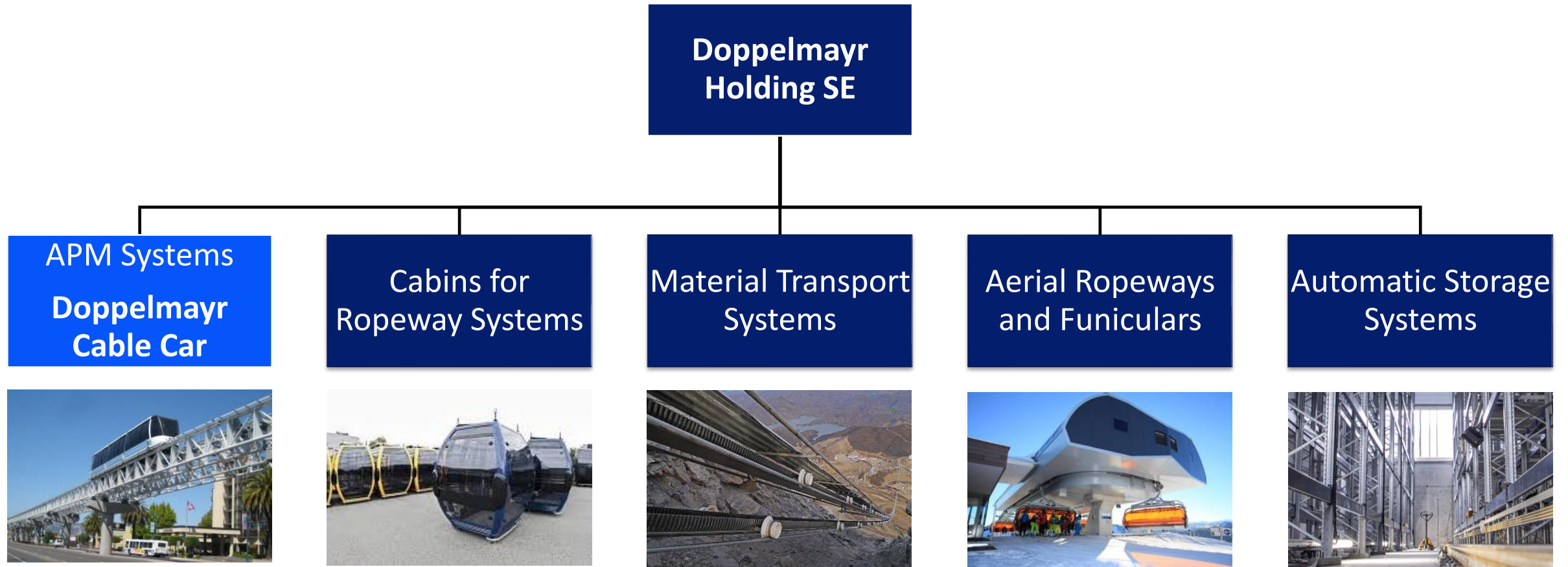
## WORLDWIDE PRODUCTION

- Austria
- Switzerland
- Italy
- France
- Canada
- USA
- China
- Japan (under license)



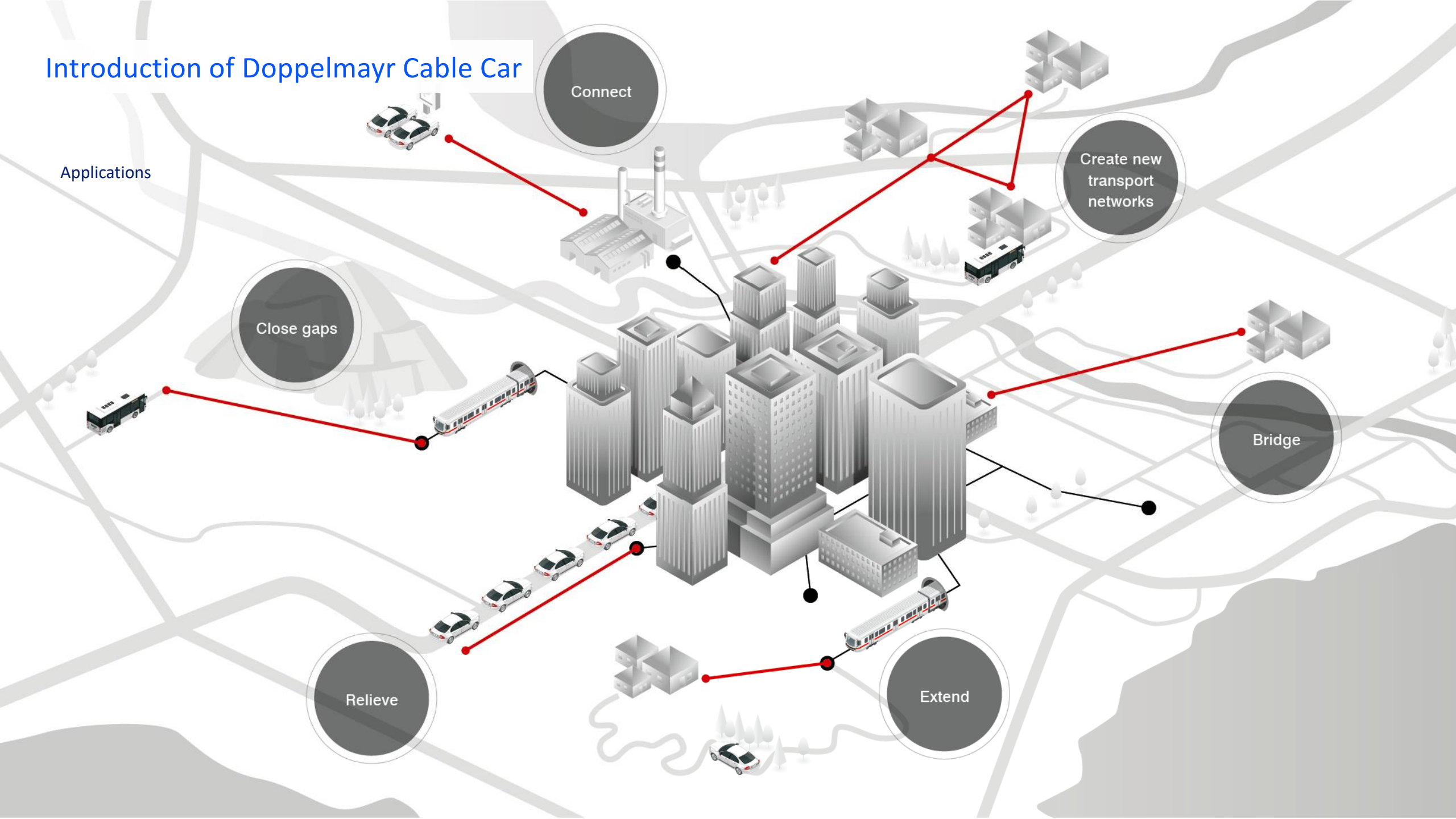
# Introduction of Doppelmayr Cable Car

## Corporate Structure



# Introduction of Doppelmayr Cable Car

Applications





# Introduction of Doppelmayr Cable Car

## Automated People Mover (APM) References

Mandalay Bay Tram  
Las Vegas, USA



Application: Casino  
Service Availability: N/A  
Length: 838 m  
Performance: 3.200 pphpd  
Stations: 4

1999

Air-Rail Link  
Birmingham, UK



Application: Airport  
Service Availability: >99.5%  
Length: 588 m  
Performance: 1.600 pphpd  
Stations: 2

2003

International Airport Link  
Toronto, Canada



Application: Airport  
Service Availability: >99.5%  
Length: 1.475 m  
Performance: 2.150 pphpd  
Stations: 3

2006

International Airport Shuttle  
Mexico City, Mexico



Application: Airport  
Service Availability: N/A  
Length: 3.025 m  
Performance: 660 pphpd  
Stations: 2

2007

MGM CityCenter Tram  
Las Vegas, USA



Application: Casino  
Service Availability: N/A  
Length: 620 m  
Performance: 3.266 pphpd  
Stations: 3

2009

Venezia People Mover  
Venice, Italy



Application: Urban  
Service Availability: N/A  
Length: 850 m  
Performance: 3.000 pphpd  
Stations: 3

2010

...APM's operated and maintained by Doppelmayr



# Introduction of Doppelmayr Cable Car

## Automated People Mover (APM) References

7th Car Extension Int.  
Airport Link Toronto



Application: Airport  
Service Availability: >99.5%  
Length: 1.475 m  
Performance: 2.500 pphpd  
Stations: 3

2013

Cabletren Bolivariano  
Caracas, Venezuela



Application: Urban  
Service Availability: N/A  
Length: 900 m  
Performance: 3.130 pphpd  
Stations: 3

2013

Oakland Airport Connector  
Oakland, USA



Application: Airport  
Service Availability: >99.7%  
Length: 5.100 m  
Performance: 1.500 pphpd  
Stations: 3

2014

International Airport Shuttle Doha,  
Qatar



Application: Airport  
Service Availability: >99.8%  
Length: 772 m  
Performance: 6.295 pphpd  
Stations: 2

2016

Sheremetyevo Int.  
Airport, Russia



Application: Airport  
Service Availability: >99.6%  
Length: 2.080 m  
Performance: 1.676 pphpd  
Stations: 2

2018

London Luton DART,  
UK



Application: Airport  
Service Availability: N/A  
Length: 2.080 m  
Performance: 2.720 pphpd  
Stations: 2

2022

...APM's operated and maintained by Doppelmayr



# Introduction of Doppelmayr Cable Car

Operations and Maintenance Services



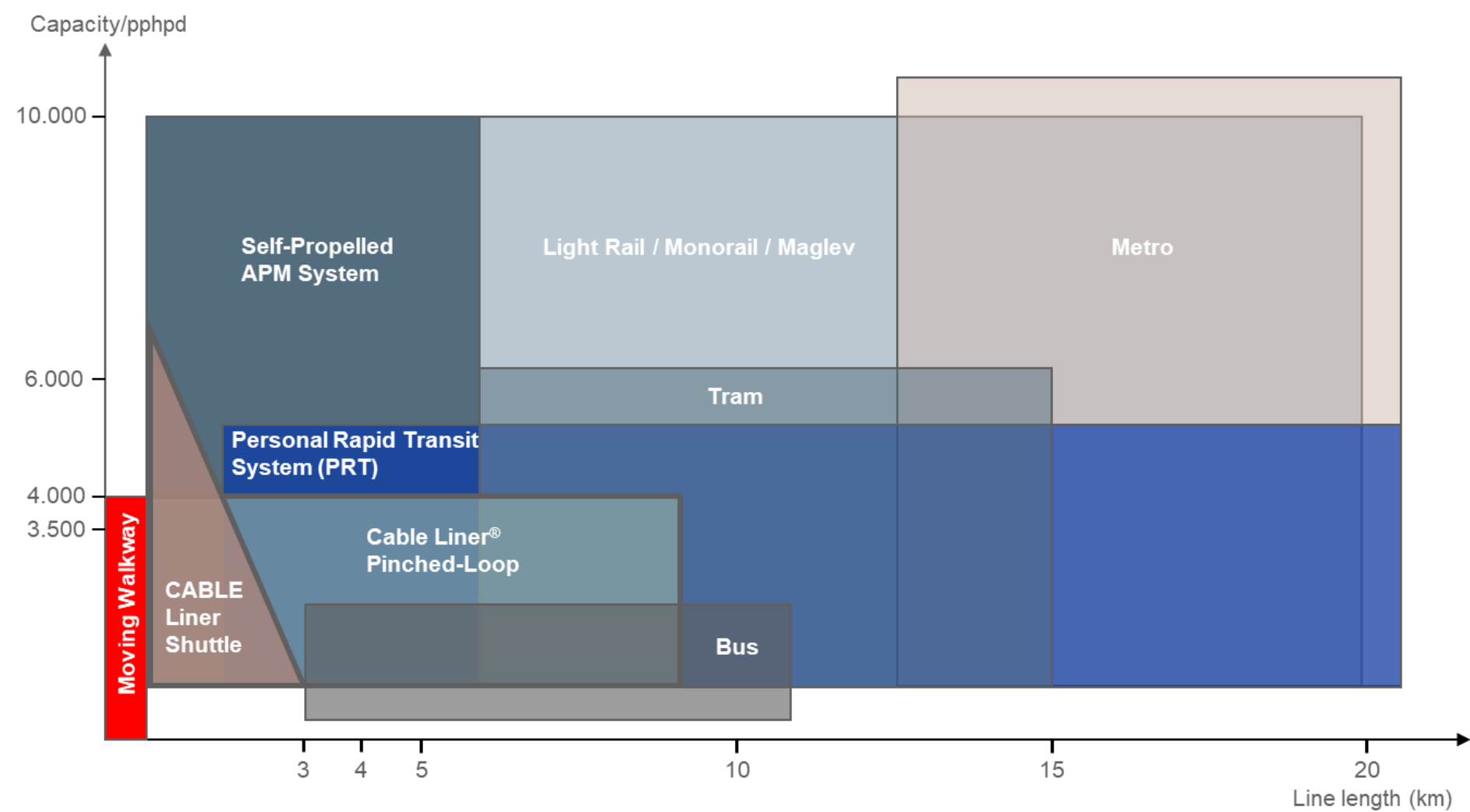


# Introduction of Doppelmayr Cable Car

## Operations and Maintenance Services



# Introduction of Doppelmayr Cable Car





# System Configuration

## Automated People Mover Systems

- System capacity depends on track length and vehicle size
- Modular train configuration/train length
- Operates on ground track, tunnel or elevated
- Wide choice of vehicle design and options
- Light vehicles
- Speeds of up to 15 m/s
- Spacious walkthrough trains

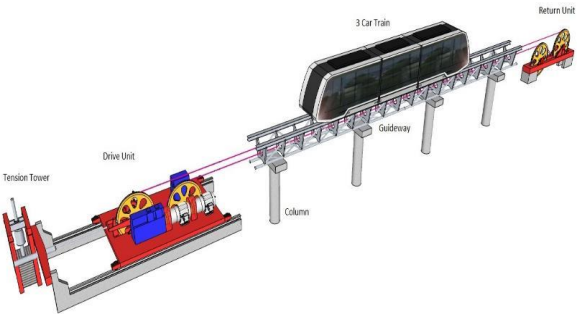




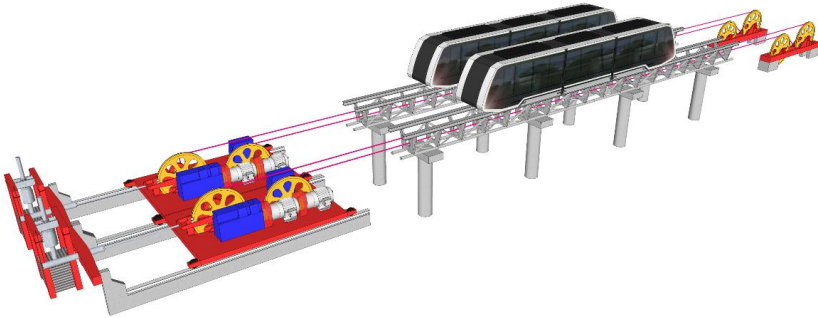
# System Configuration



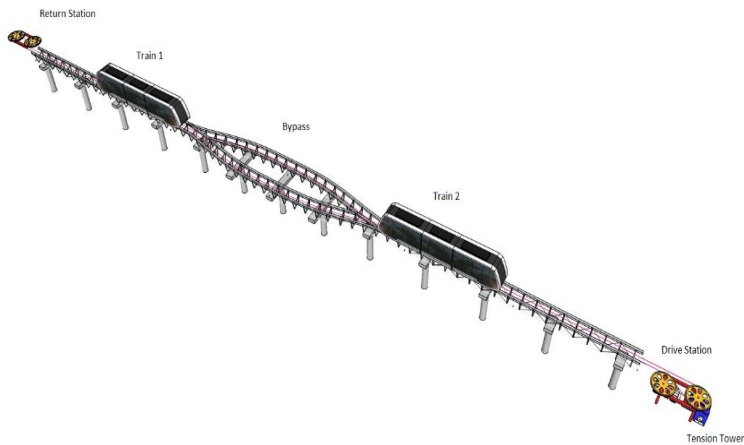
- Single Shuttle Configuration



- Double Shuttle Configuration



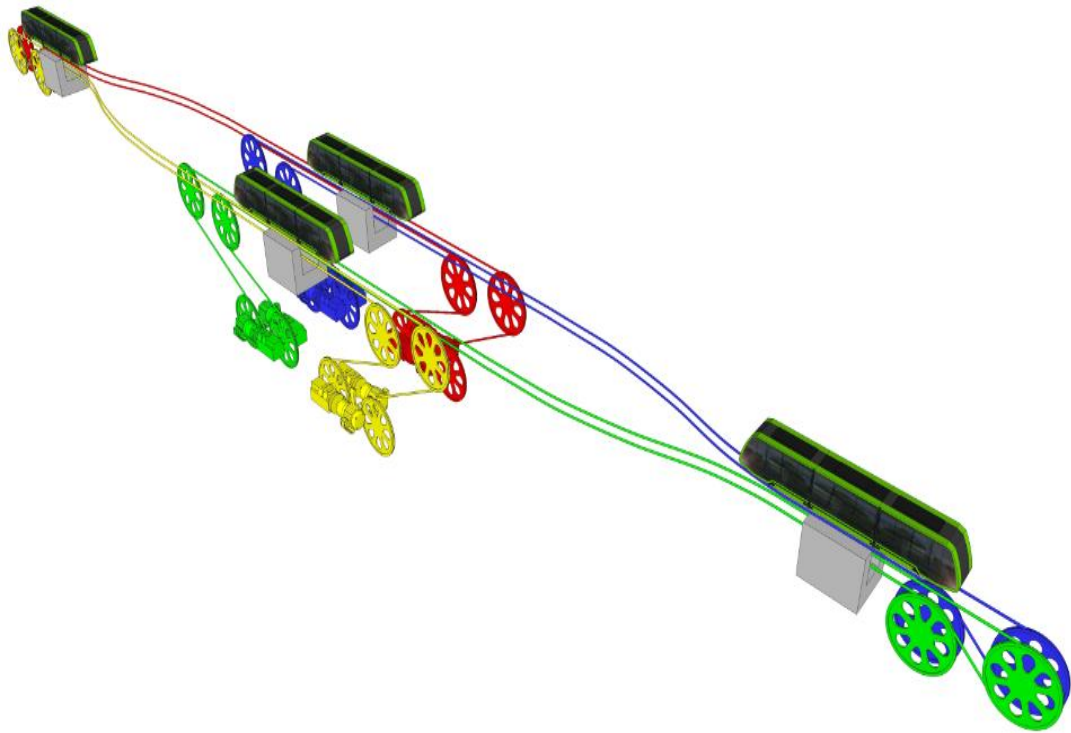
- Bypass Configuration





# System Configuration

## Pinched Loop Configuration



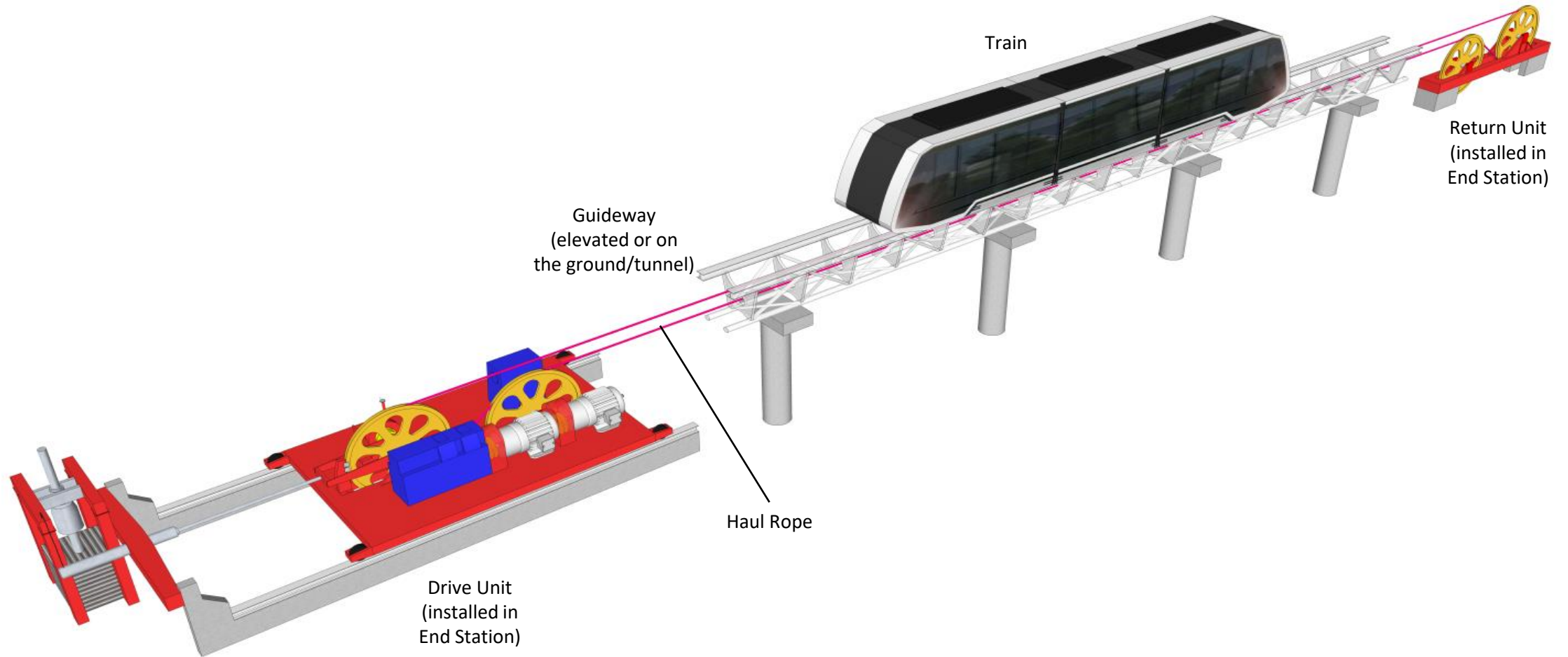


# System Components





# System Components



## Train Designs





## Train Interior





## Station Design





## Guideway





## Rope and Propulsion





# Central Control Room









# Thank you

Doppelmayr Cable Car GmbH  
Konrad-Doppelmayr-Straße 1  
6922 Wolfurt – Austria  
[doppelmayr.com/en/systems/automated-people-mover/](https://doppelmayr.com/en/systems/automated-people-mover/)

