Doppelmayr Worldwide

World market leader with production locations in Austria, Italy, France, Switzerland, Canada, USA and China.

Manufacturing under license in Japan – Nippon Cable.

Doppelmayr Worldwide

Doppelmayr Facts and Numbers*

14 600
installations worldwide

89
export countries

42
countries having a subsidiary / representation

1892
a family-owned company

2 546
employees worldwide

794
million euro turnover

*by 2015

Urban Ropeways

Portland | USA

78-ATW, 2007

Constantine | Algeria

15-MGD, 2008

Caracas | Venezuela

8-MGD, 2010

Source and Photo: Doppelmayr

London | UK

10-MGD, 2012

Singapore

8-MGD, 2010

Source and Photo: Doppelmayr

La Paz | Bolivia

10-MGD, 2014

Koblenz | Germany

35-TGD, 2010

Caracas | Venezuela

232-CLS, 2012

9th Urban Mobility India Conference & Expo 2016
Planning Mobility for City's Sustainability

TECHNICAL SESSION 10
ELECTRIC MOBILITY FOR CITY'S SUSTAINABILITY

URBAN CABLE TRANSPORT

Dr. Johannes Fiedler, Doppelmayr Urban Solutions, Austria

Ahmedabad, November 10th, 2016

E-Mobility

Sustainable transport = public transport, walking and cycling

E-Mobility

More than a car with an electric motor…

E-mobility includes electrically driven rail transport, E-busses, E-rikshaws, E-bicycles and ….ropeways!

E-Mobility

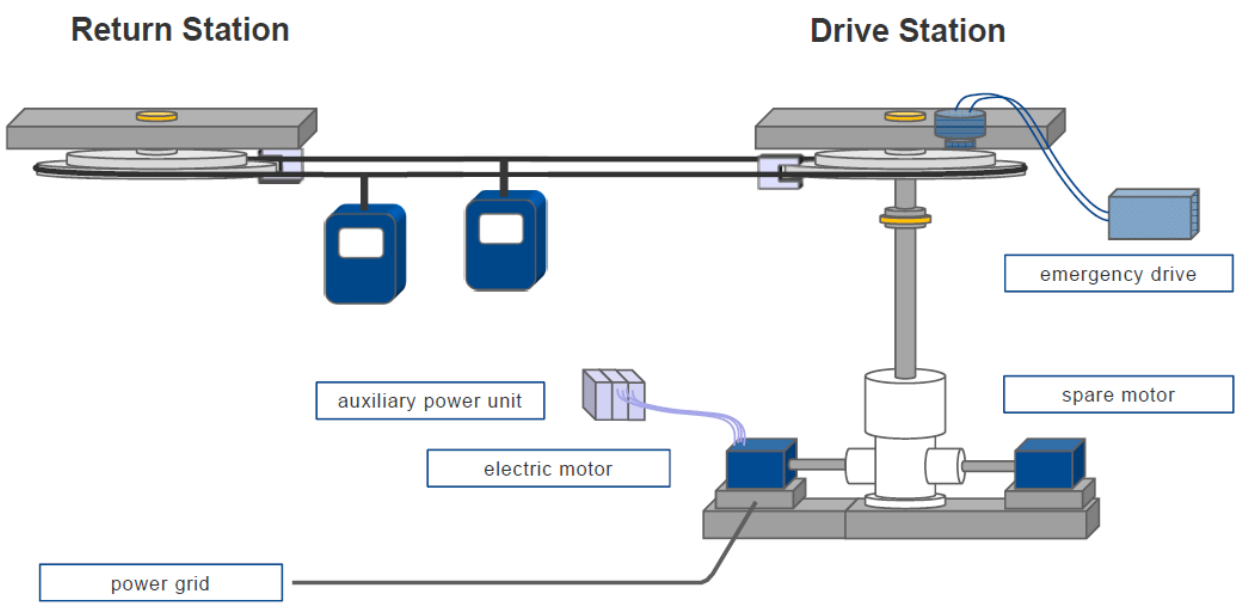
Sustainable only if electric energy is produced in a clean way

Today, 76% of all electric power is still produced from fossile sources.

E-Mobility

cable systems are driven by electric motors

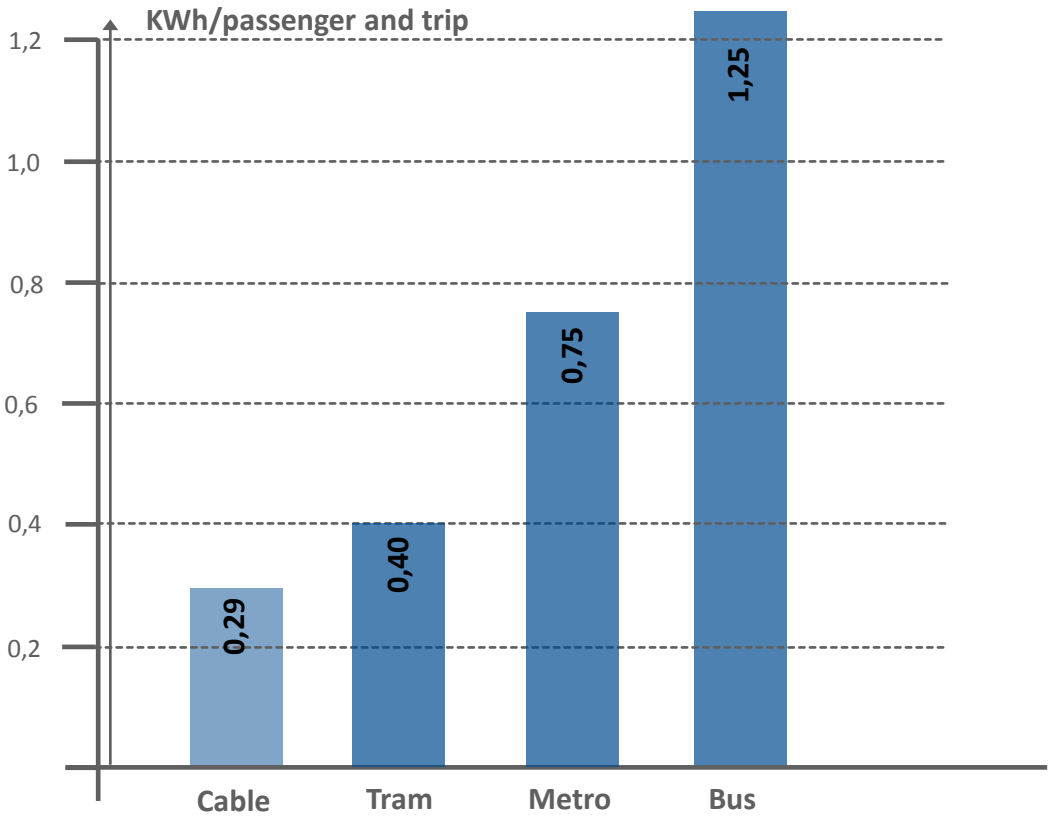
E-Mobility



motors are placed in stations, not in the vehicles

Urban Cable – energy consumption

…lower than with other means of public transport.



* Including consumption of supporting infrastructure

Sources:

Vienna Transport 2012 (1)

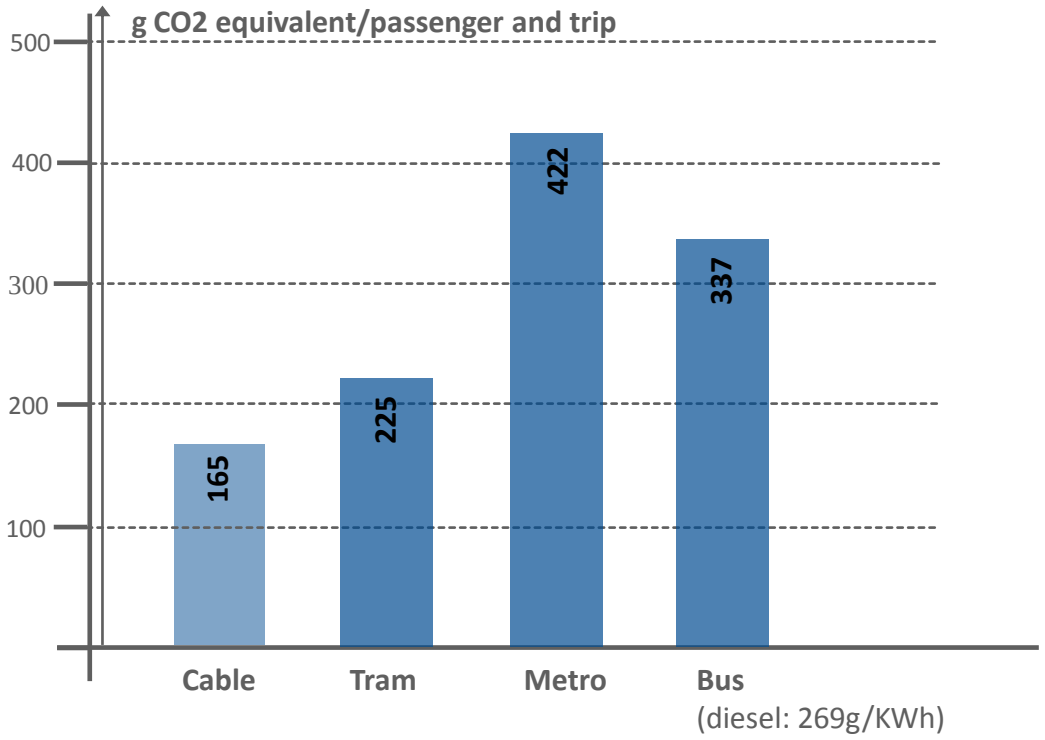
Doppelmayr (2)

(1) Wiener Linien (2012) in : FREY et al. (2014): *Energieeffiziente Neue Mobilität in Wien*, TU Wien, Institut für Verkehrswissenschaften (p. 53, fig. 35);.

(2) Evaluation of the ropeway operations in La Paz (2014), Venlo (2012) and Koblenz (2011 to 2013)

Urban Cable – CO2 impact

…lower than with other means of public transport.



-based on electric power production mix in Germany 2012 (562 g/KWh)

Sources:

Vienna Transport 2012 (1)

Doppelmayr (2)

(1) Wiener Linien (2012) in : FREY et al. (2014): *Energieeffiziente Neue Mobilität in Wien*, TU Wien, Institut für Verkehrswissenschaften (p. 53, fig. 35);.

(2) Evaluation of the ropeway operations in La Paz (2014), Venlo (2012) and Koblenz (2011 to 2013)

E-Mobility


Vidalia, Georgia (USA)

1 MW solar plant

production (India): 1,4 MWh/year
area required: 12.000 m2 *
requirements:
a) grid connection for continuity
b) auxiliary power unit for backup

* IIT Mumbai plant, 2014

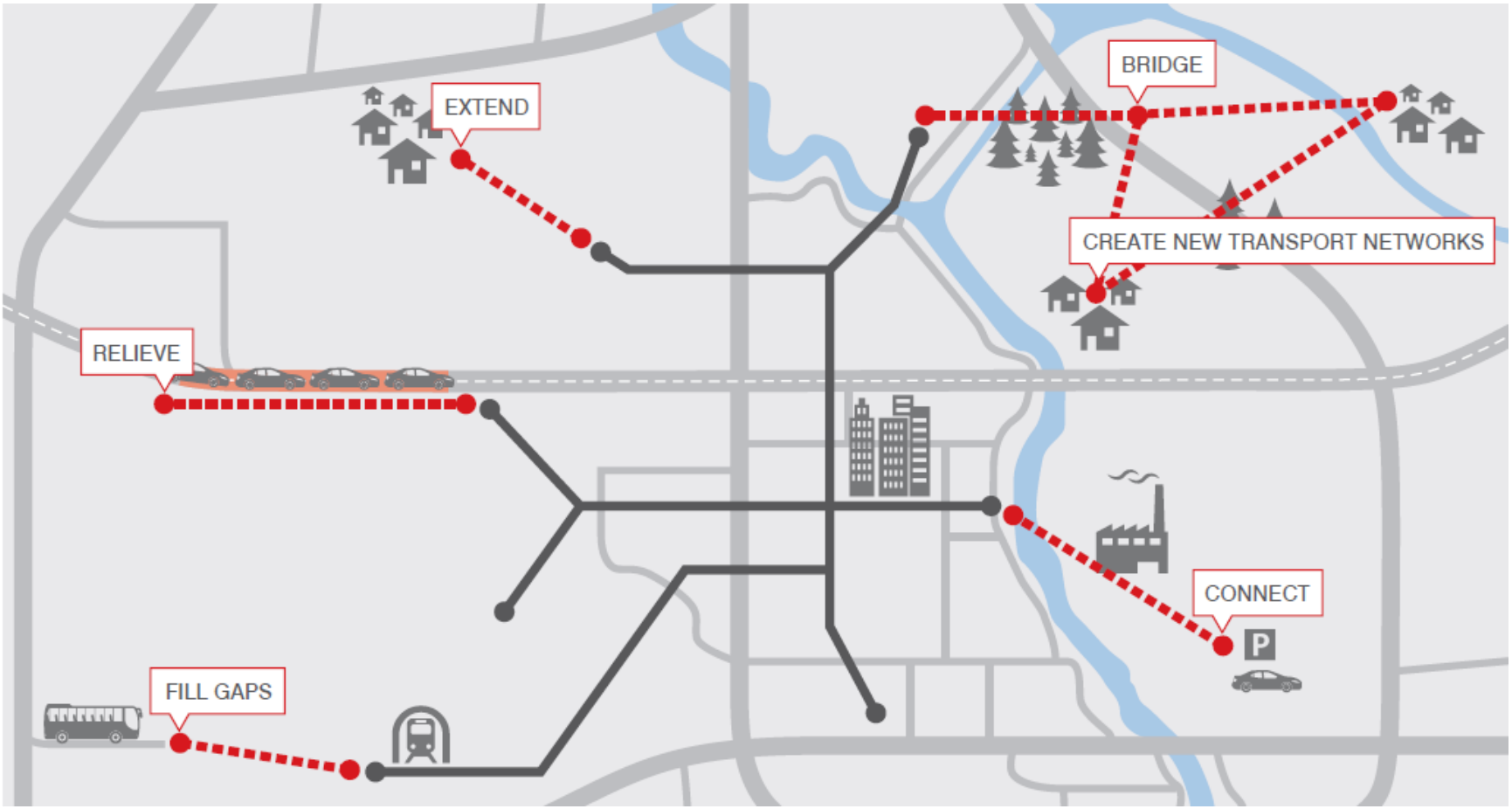

Koblenz, Germany

1 km 3S ropeway

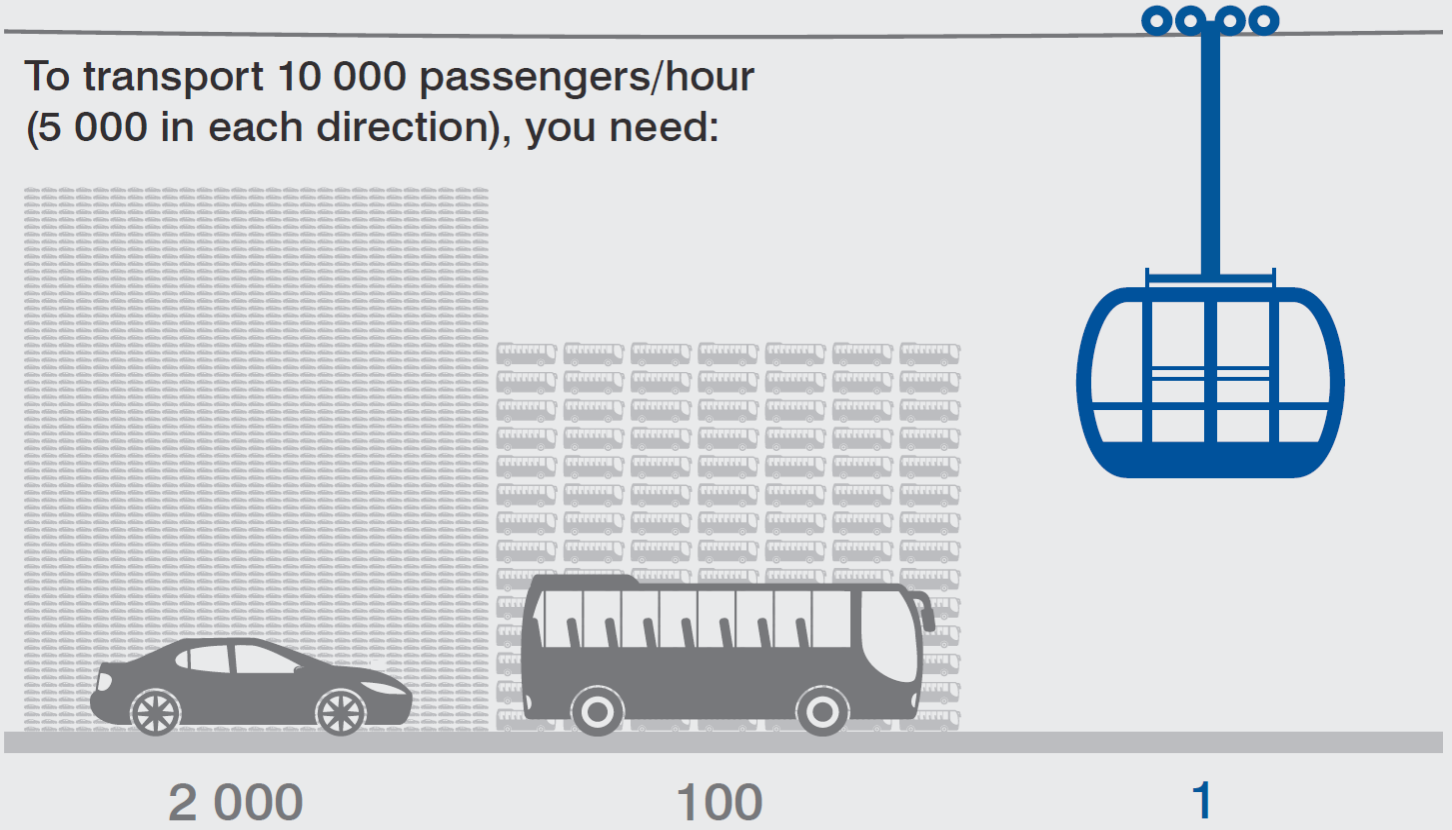
consumption: 0,5 MWh/year
3.500 p/h/direction
8,5 hours/day **

** TGD Koblenz (2012)

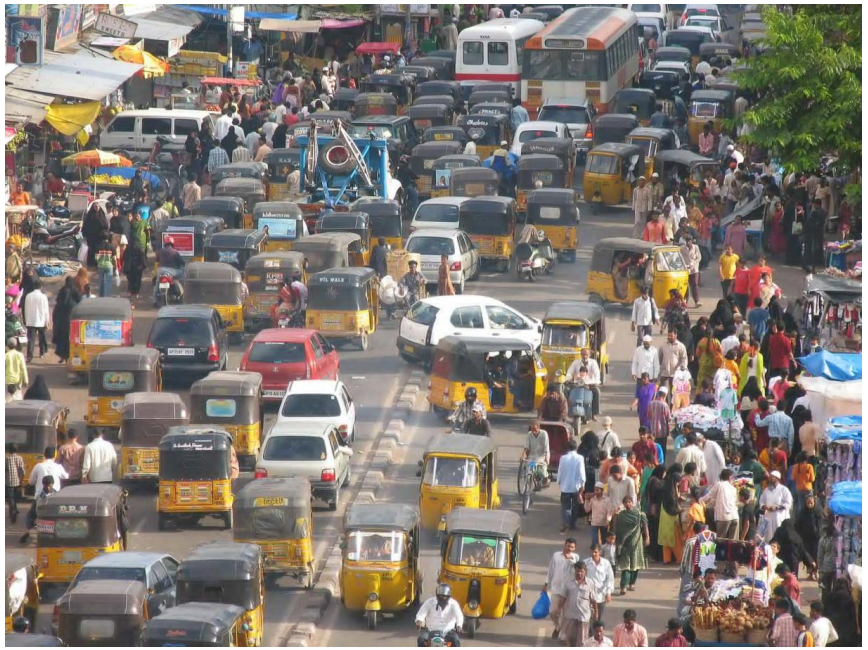
Mobility Functions of Urban Ropeways



Capacity of Urban Ropeways



What can Cable Transport do for Indian cities?



congestion….

What can Cable Transport do for Indian cities?

difficult topography…

What can Cable Transport do for Indian cities?

informal urbanization…

What can Cable Transport do for Indian cities?

car dependency…

For further information, please contact:

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