

# The success story of the **ROPEWAY** in Coblenz

more than 4.6 million passengers transported in six months

Reinhard Fitz

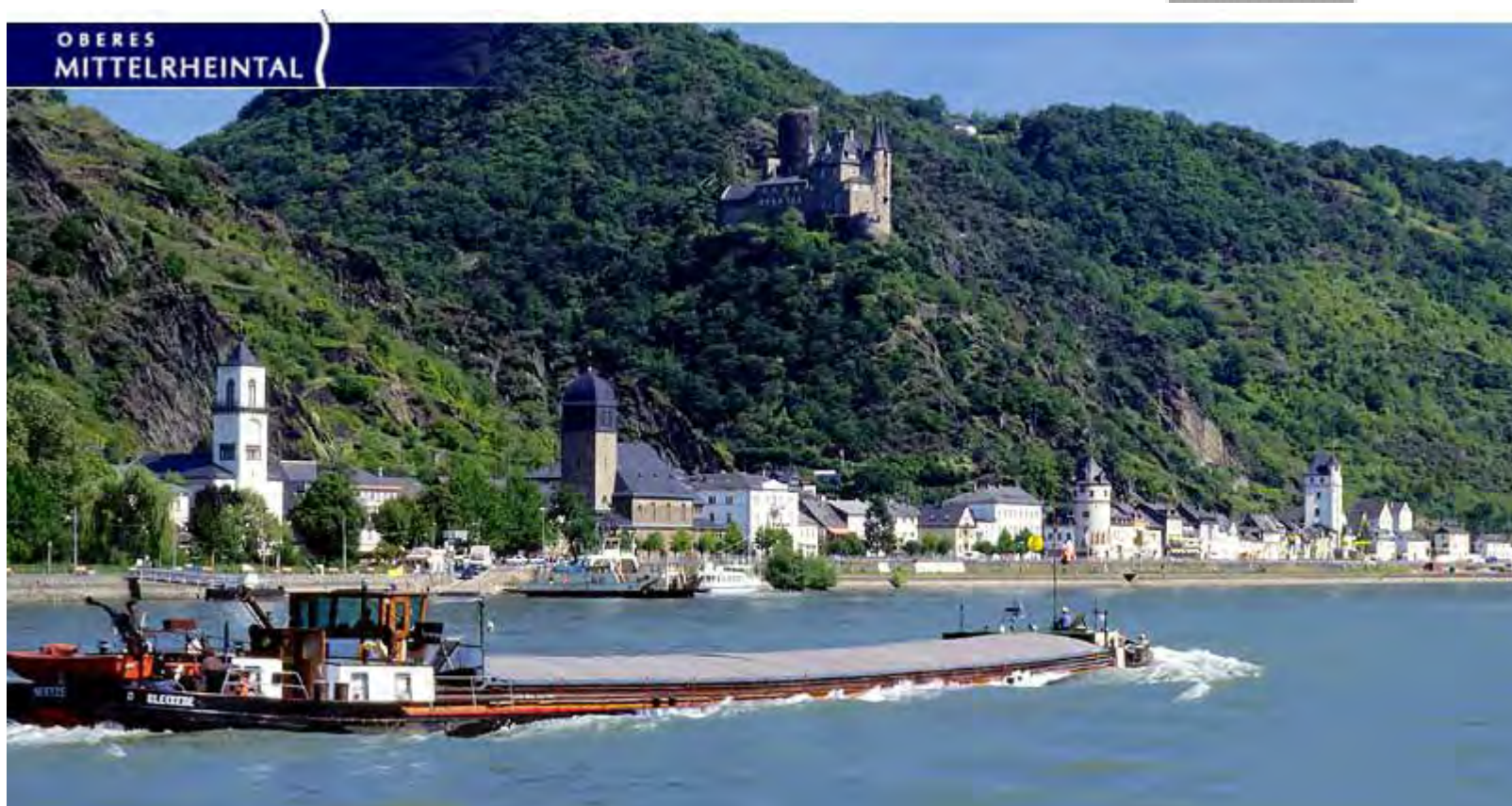
# Let's have a look at Coblence

- a city in Germany with 120,000 inhabitants
- where the rivers RHINE and MOSELLE meet



# Let's have a look at Coblence

- located at the beginning of the UNESCO world heritage area  
"The Upper-Middle-Rhine-Valley"



# Let's have a look at Coblence

- in the neighbourhood of famous places like

LORELY, RÜDESHEIM, COLOGNE



Let's have a look at Coblence

**The host city of the BUGA 2011**



**Bundesgartenschau 2011**  
**Koblenz verwandelt**



# BUGA 2011 in Coblenz

- The horticultural show, is held in various cities of Germany every two years



# BUGA 2011



The BUGA is:

- presenting horticultural architecture and public events over a period of six months

- reflecting the city's unique location and history



# BUGA 2011



-sustainably changing and upgrading public areas





# BUGA 2011



The challenges:

Linking the core areas

185 operation days from April to October

2 million visitors mean 4 million passengers

Up to 35,000 visitors on peak days

# The traffic concepts



## Bus Shuttle:

1,000 – 1,500 rides per day

Every 1 – 1.5 minutes

7 km distance in 25 minutes

735,000 bus km during the Buga

## Ropeway:

Capacity 7,200 PPH

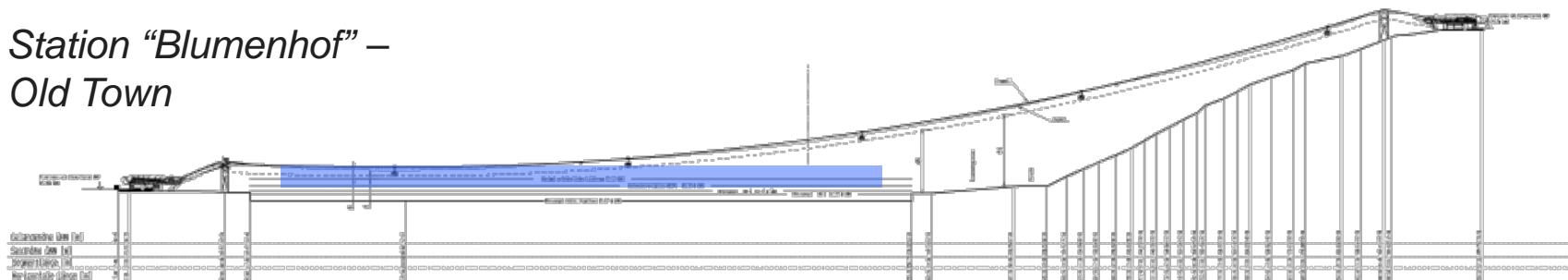
Every 30 sec. 35 persons

950 m distance in 4 minutes

# The topo

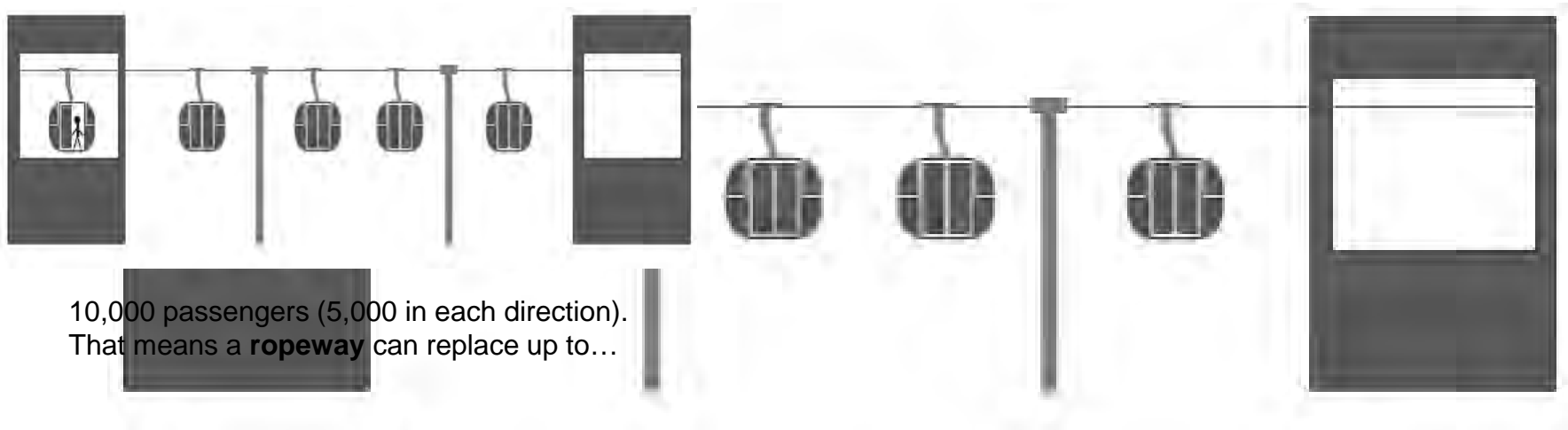
Station Ehrenbreitstein Fortress

Station "Blumenhof" –  
Old Town



- horizontal length: 882 m
- longest span: 823 m
- difference in elevation: 112 m
- trip time: 5 min
- number of cabins: 18
- interval of cabins: 37 s
- capacity: 3,600 PPH and direction

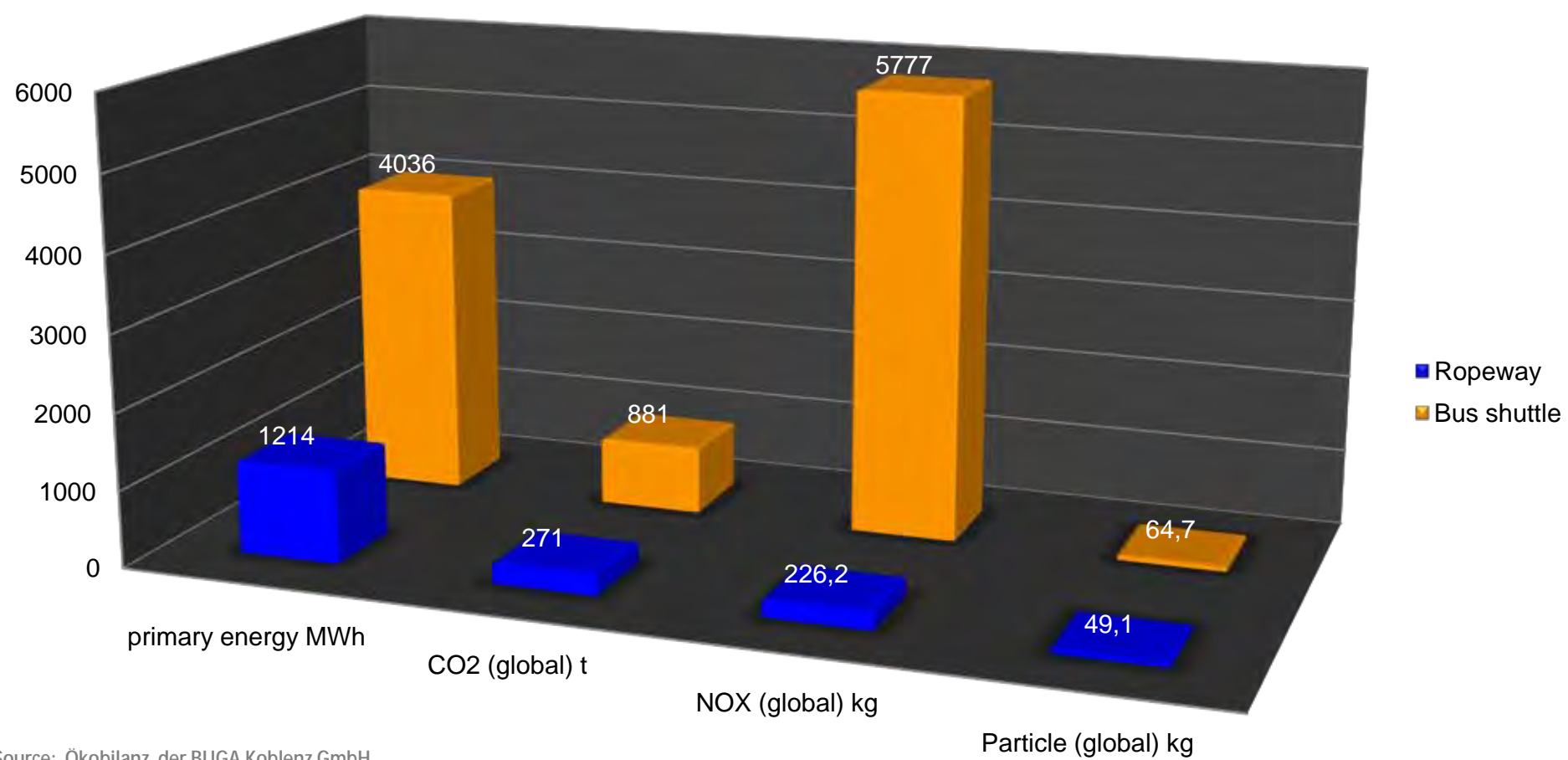
# The equivalent....



10,000 passengers (5,000 in each direction).  
 This means a **ropeway** can replace up to...



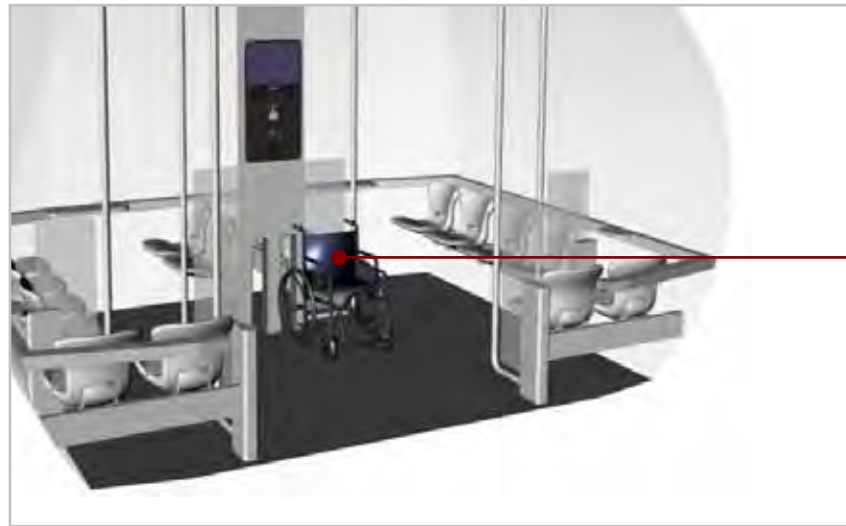
## Comparison between the ropeway and bus shuttle service during the BUGA Coblenz in terms of energy and exhaust emissions (primary energy conventional electricity)



Source: Ökobilanz der BUGA Koblenz GmbH

# Function and features

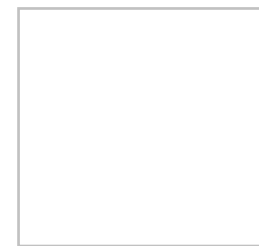




Wheelchairs

The international symbol for wheelchair accessibility, consisting of a stylized person in a wheelchair.

Bicycles

The international symbol for bicycle accessibility, showing a person riding a bicycle.

## Safety, accessibility



 **SOS** Art. 90-024332





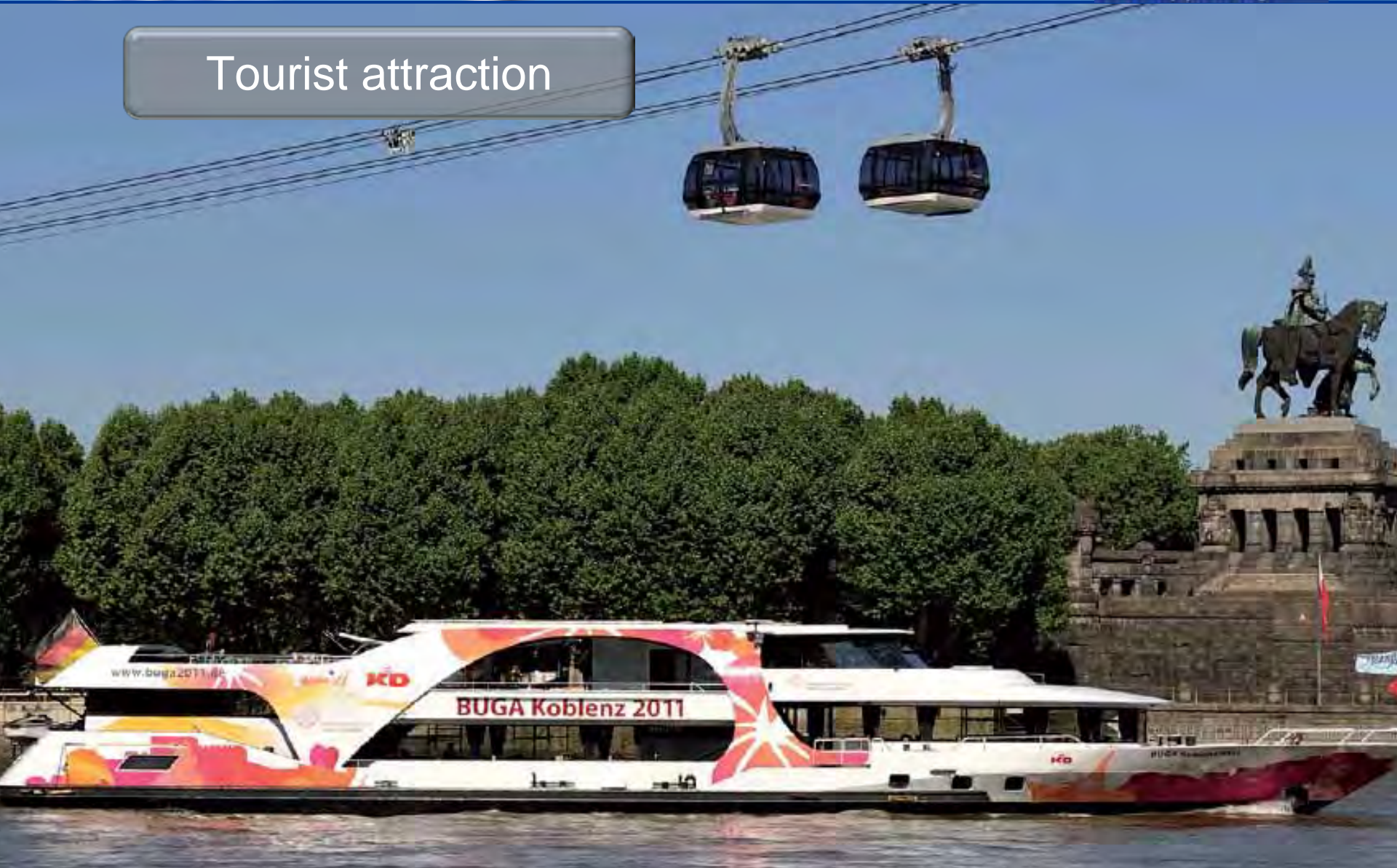


Independent operation level

Urban design



Tourist attraction



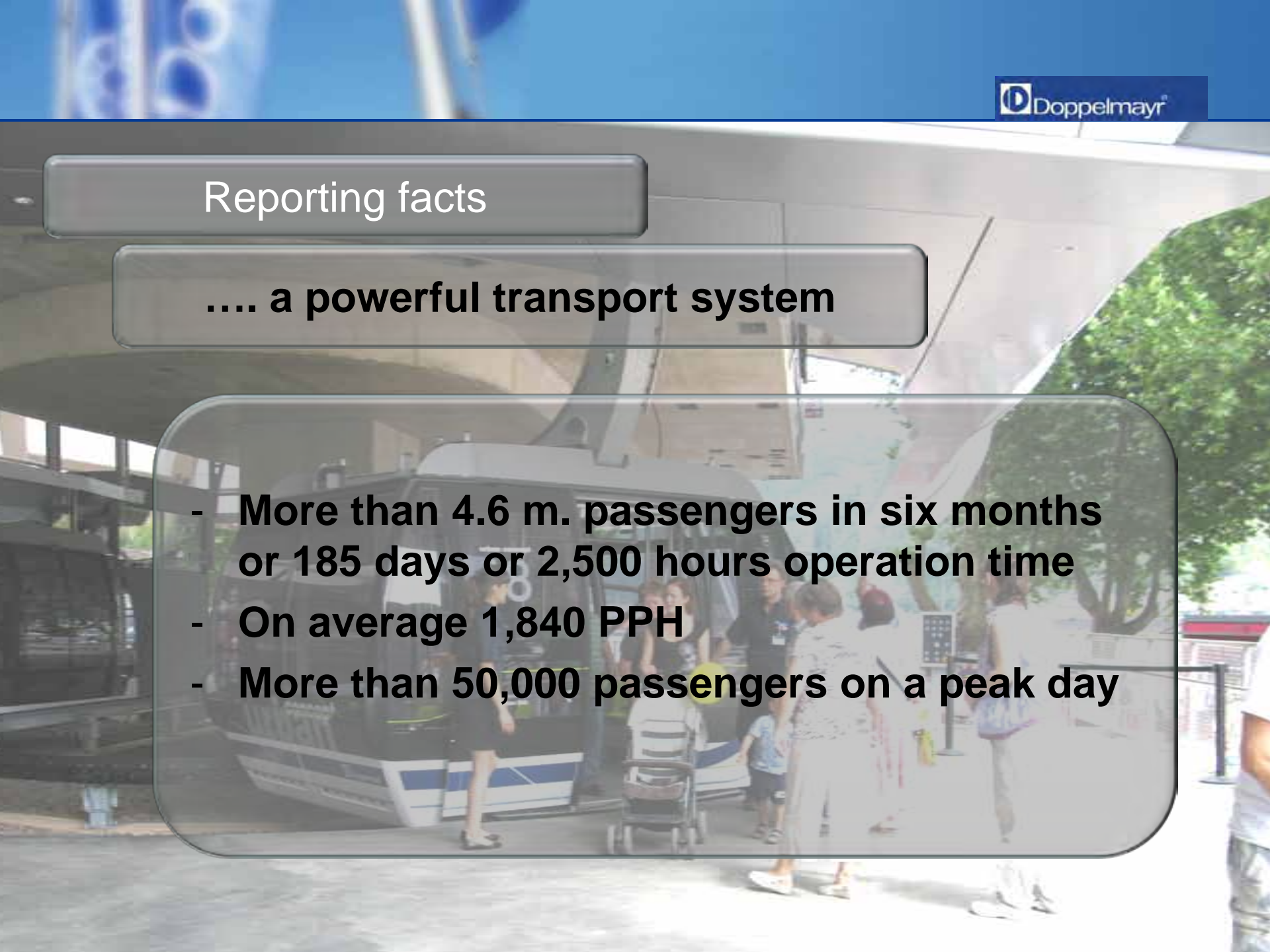
## Conclusion

**Can a ropeway be a  
serious transport  
solution?**

A photograph of a ropeway cabin at a station. The cabin is white with blue and yellow accents. Several people are standing on the platform, including a woman with a stroller and a man with a child. The background shows a building and trees. The text "YES IT CAN!" is overlaid on the image.

## Reporting facts

**.... a powerful transport system**

- **More than 4.6 m. passengers in six months or 185 days or 2,500 hours operation time**
  - **On average 1,840 PPH**
  - **More than 50,000 passengers on a peak day**
- 

Conclusion

**.... Transportation service for everyone**



Feedback

Feedback

**.... Mayor Dr. Hoffmann-Göttig**