

The success story

of the **ROPEWAY** in Coblenz

more than 4.6 million passengers transported in six months

Reinhard Fitz

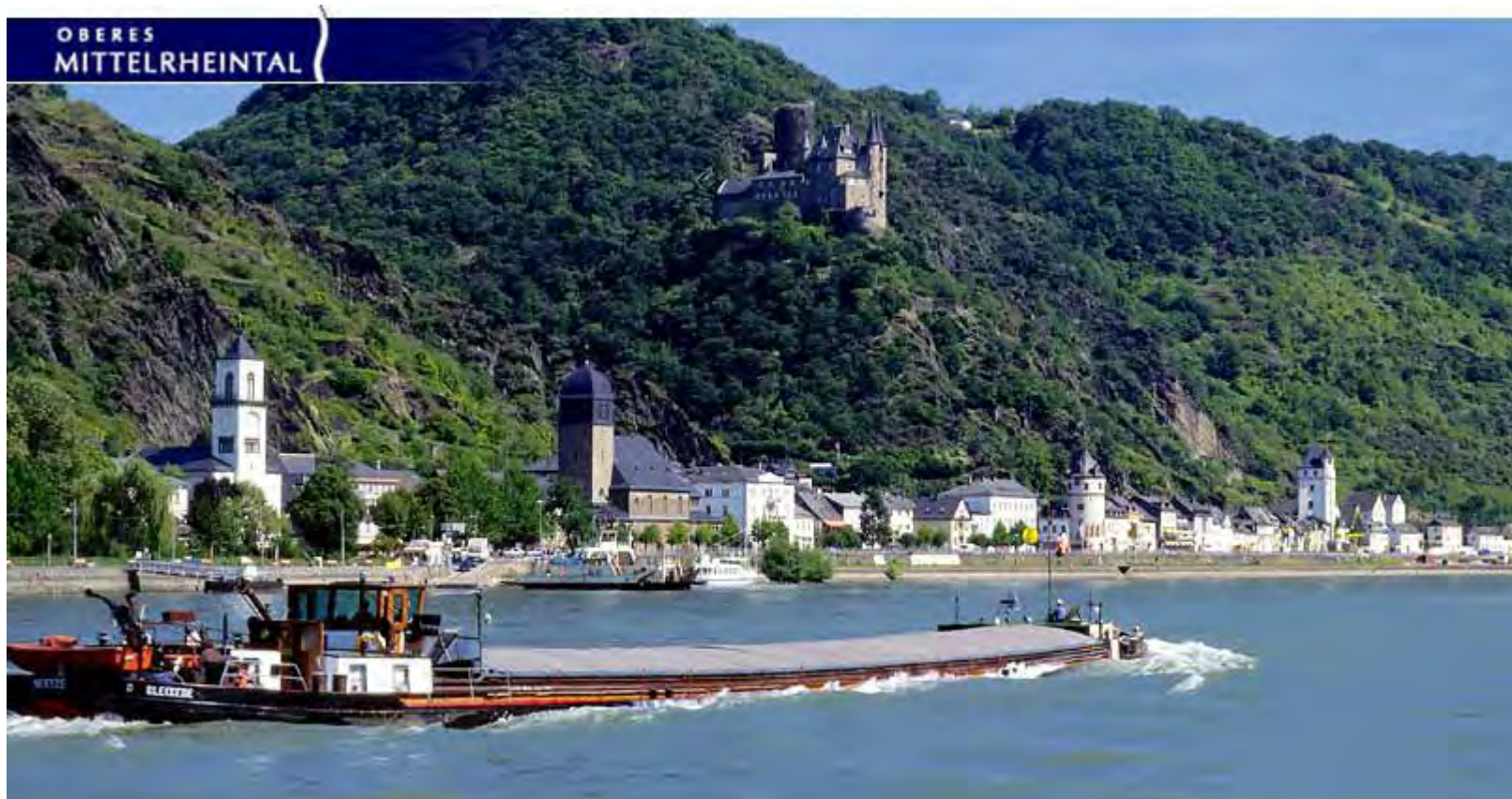
Let's have a look at Coblence

- 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 Coblenze

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

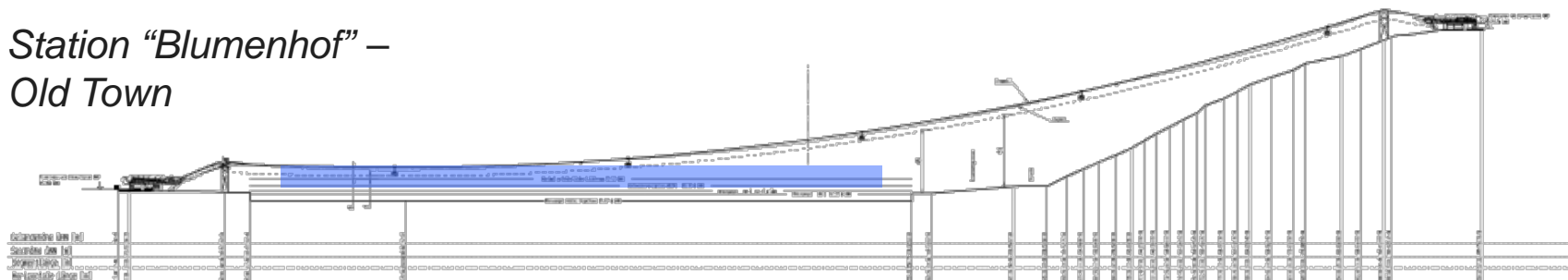
Every 30 sec. 35 persons

950 m distance in 4 minutes

The topo

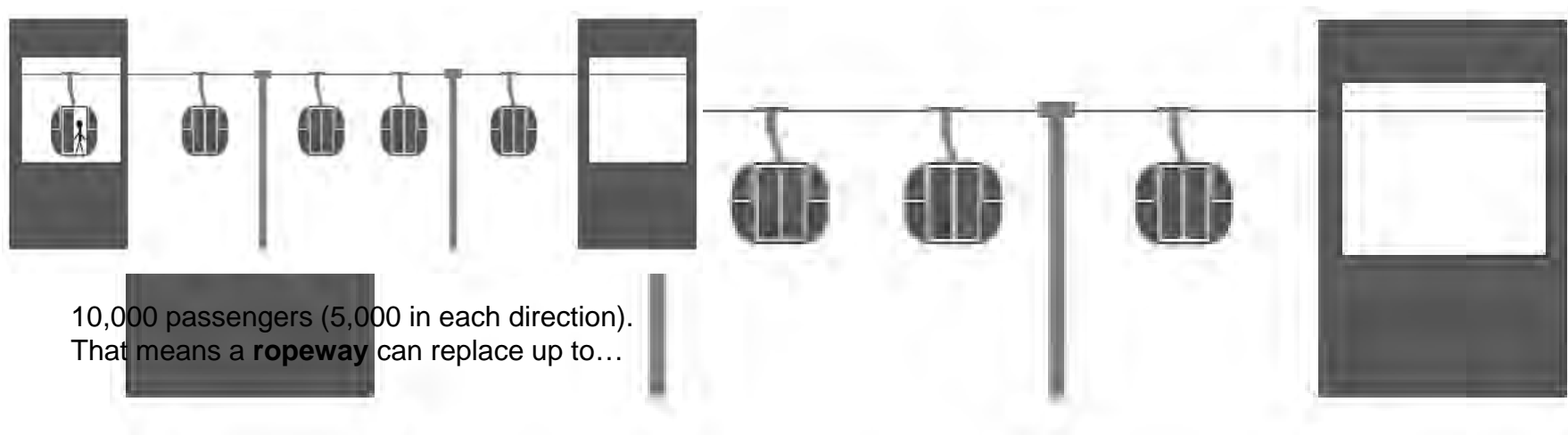
Station Ehrenbreitstein Fortress

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

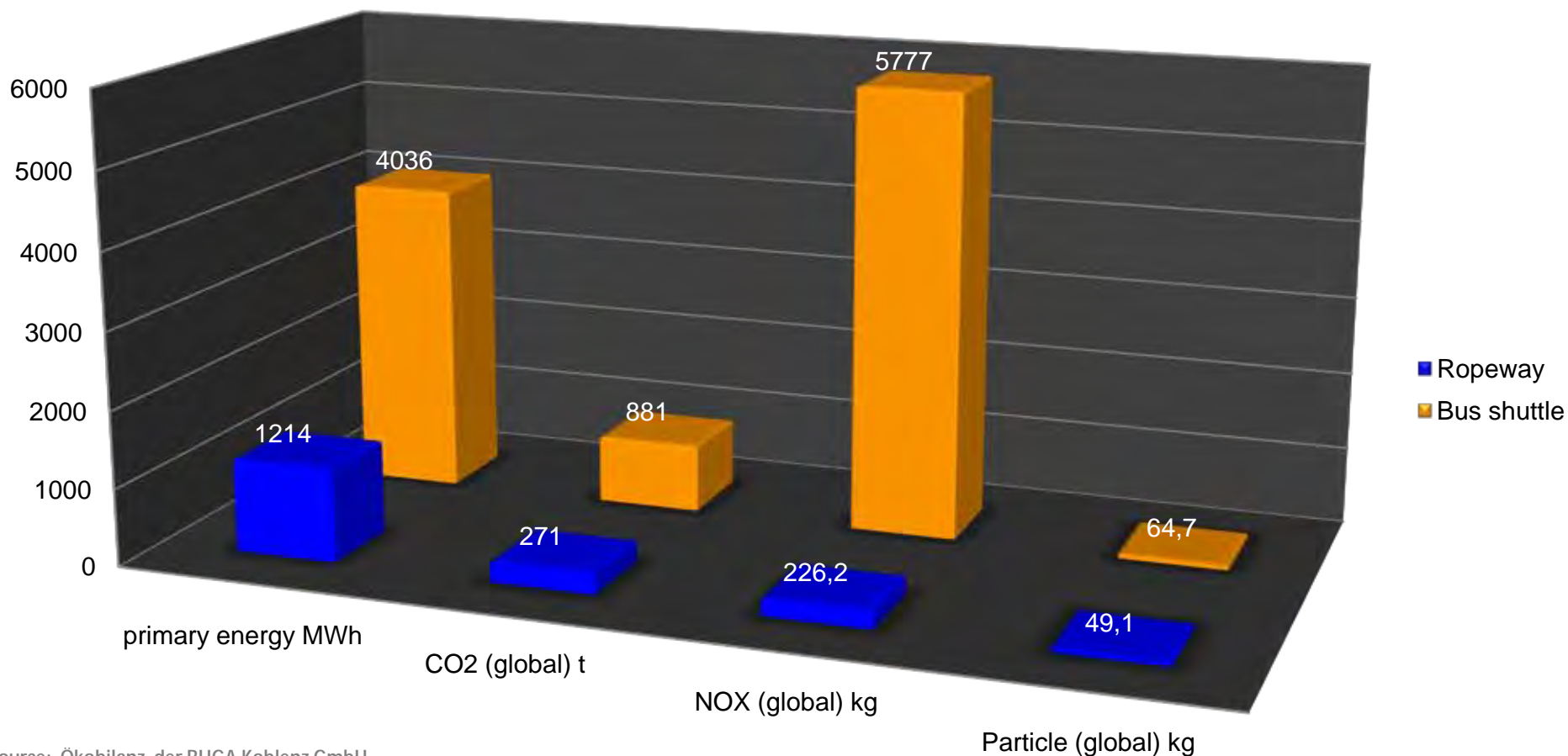
The equivalent....



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



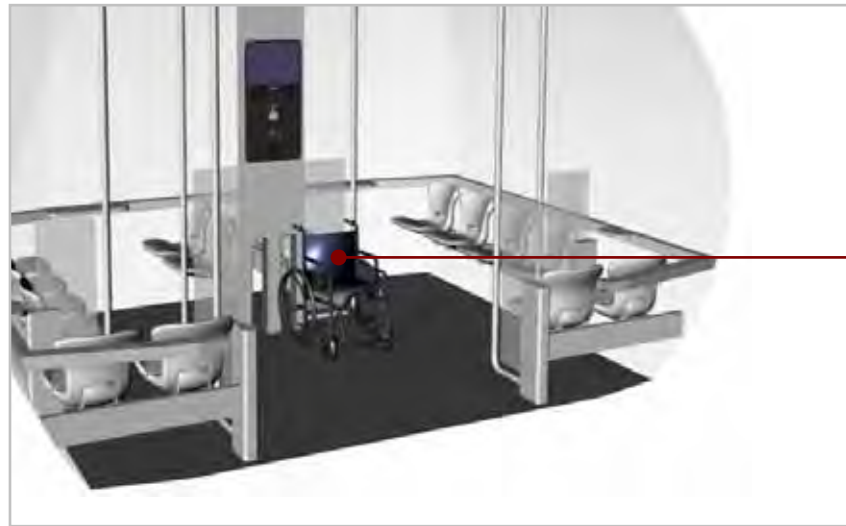
Comparison between the ropeway and bus shuttle service during the BUGA Coblenz in terms of energy and exhaust emissions (primary energy conventional electricity)



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



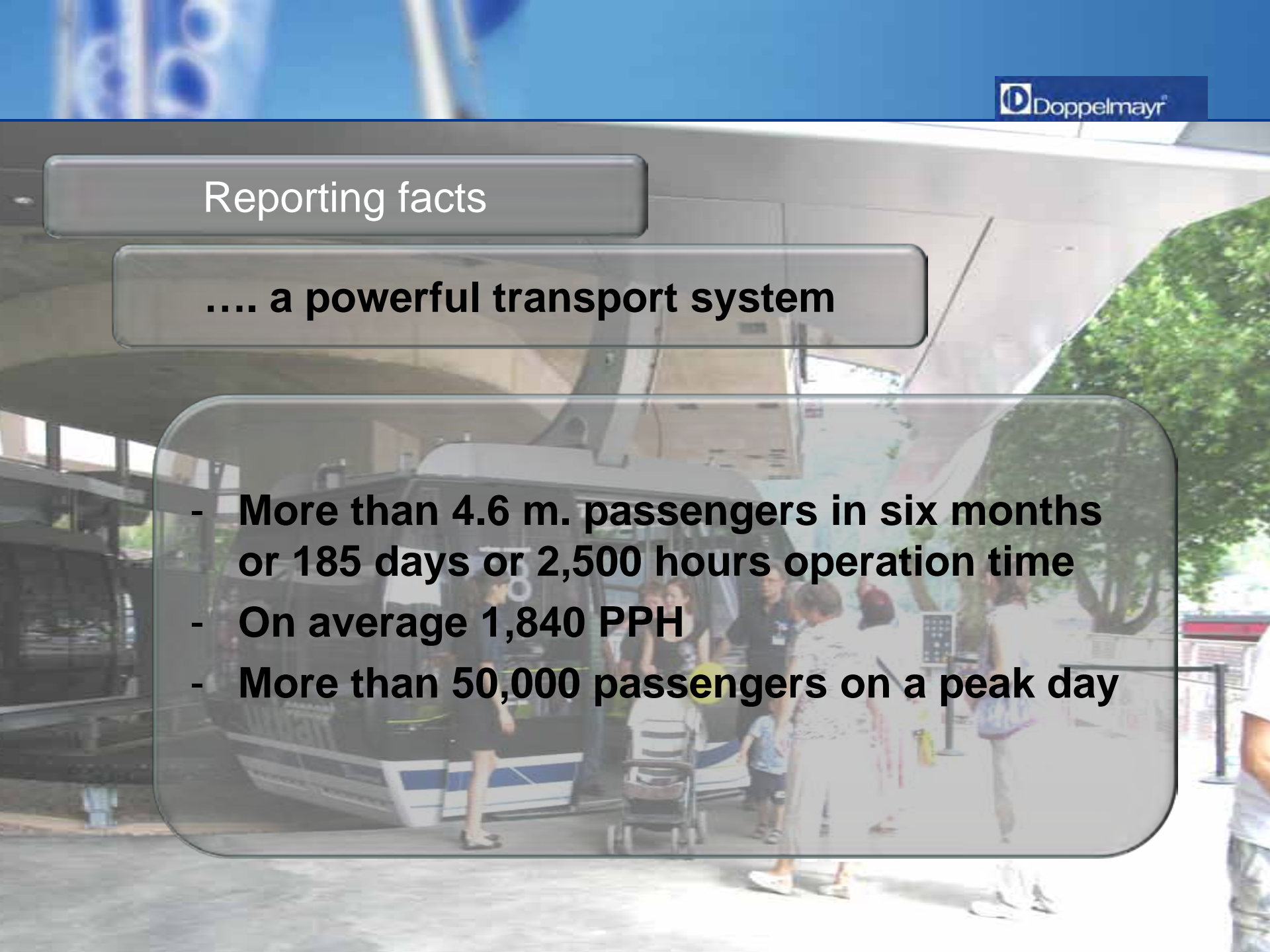
Conclusion

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

A photograph of a ropeway cabin at a station. The cabin is white with blue and black accents and is suspended from a cable. It is positioned at a platform where several people are waiting. A woman in a black dress is standing near the cabin, and a man in a white shirt and light-colored pants is standing further back. A stroller is visible in the foreground. The background shows a modern building with a curved roof and some greenery.

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**