### More passengers and reduced costs – The optimization of the Berlin Public Transport Network

TDM 2008, Vienna

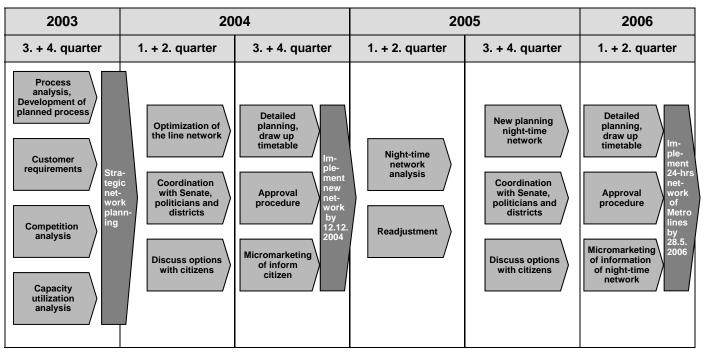
Tom Reinhold

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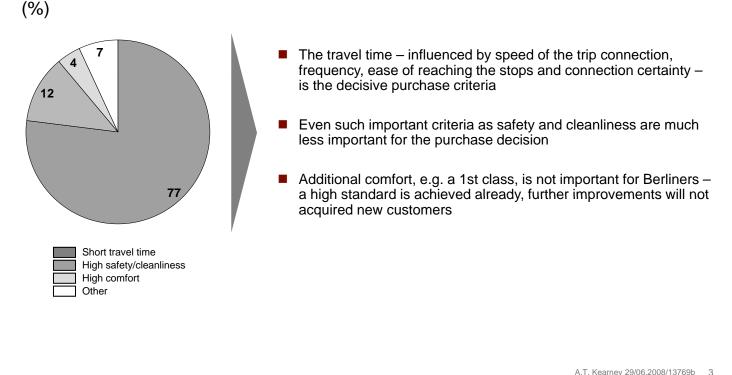
The new network was implemented after 18 month of preparation in 12/2004 and the 24-hour-service in 05/2006

### Overview of project plan



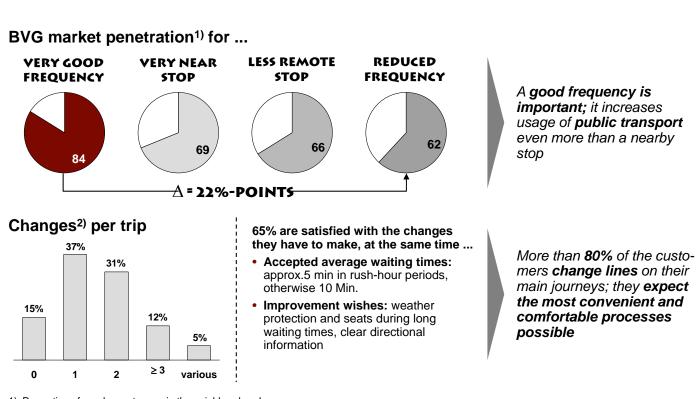
## Short total travel is the decisive purchase criteria and the main lever for acquiring new customers – at least in Berlin

Factors determining purchase decision



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### In order to achieve a short travel time, a dense frequency is even more important than a high stop density

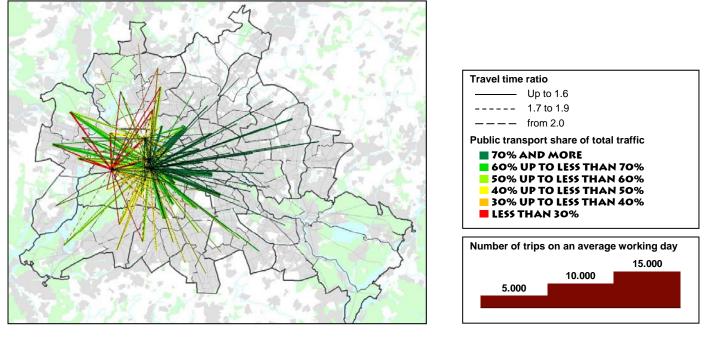


Proportion of regular customers in the neighbourhood
On main lines for frequent and rare users

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## Traffic flows were analyzed according to their volume, their public transport share and the travel time ratio PT/car

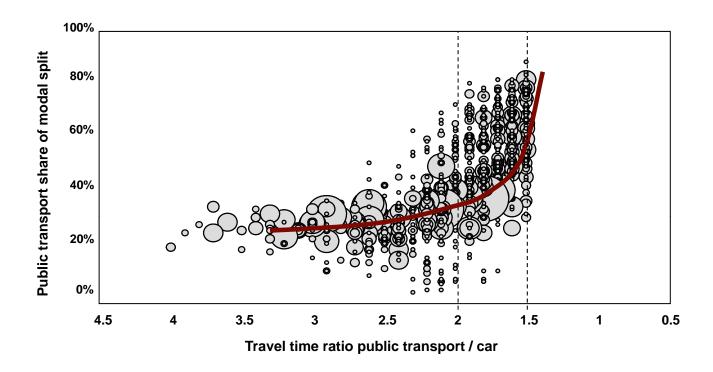
## **Example: Charlottenburg transport districts** (more than 1,000 trips per day)



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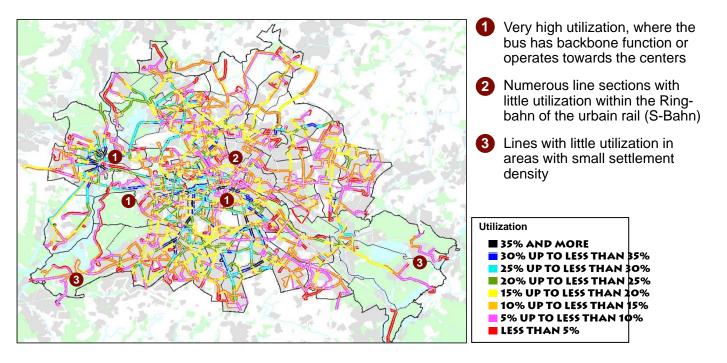
### High market shares result for public transport as soon as the trip by car is maximum twice as fast



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### The bus network is working well at centerlines with backbone function – however exhaustive potential of savings

### Utilization in the bus network Mon-Fri: 4-24 hrs; Average: 16,5 %



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## The new Metrobus lines run 24 hours a day – at least every 10 minutes during the day



### Metrobus / -tram network overview

### Metro bus network service

#### Main and off-peak traffic periods

- Mon-Fri: 6-21 hrs; Sat/Sun: 9-20 hrs
- Metrobus lines run at least every 10 minutes

#### Base traffic period

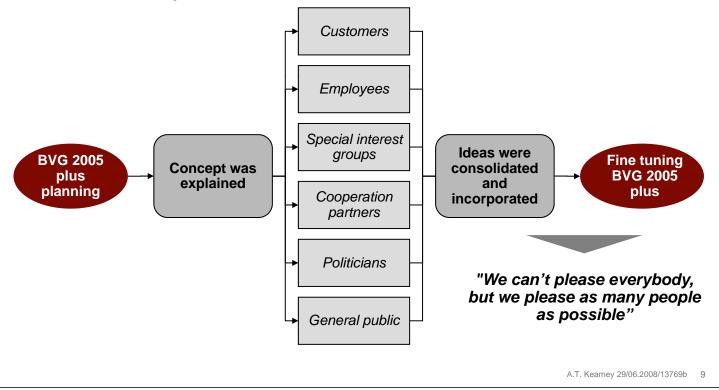
- Mon-Fri: 4:30-6 hrs and 21-0:30 hrs;
  - Sat/Sun: 7-9 hrs and 20-0:30 hrs
- Some lines run every 10 minutes, at least every 20 minutes

#### Night-time

- Mon-Fri: 0:30-4:30 hrs Sat/Sun: 0:30-7 hrs
- Metrobus lines run partly every 15 minutes, at least every 30 minutes

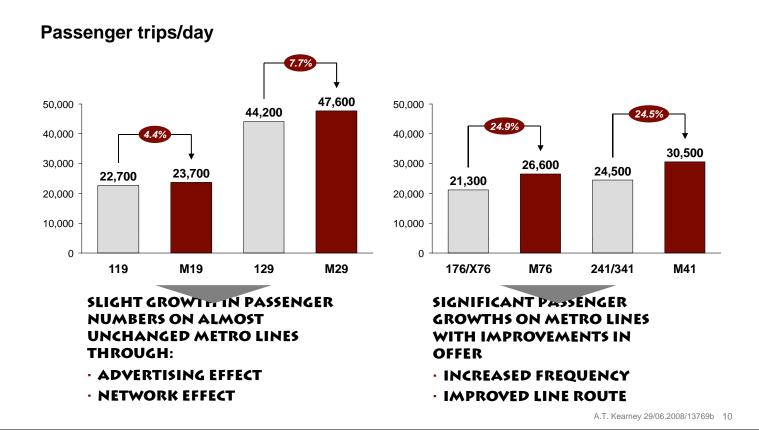
# BVG sought discussion and received ideas from all sides – these have been incorporated in the planning

### Involvement of all parties



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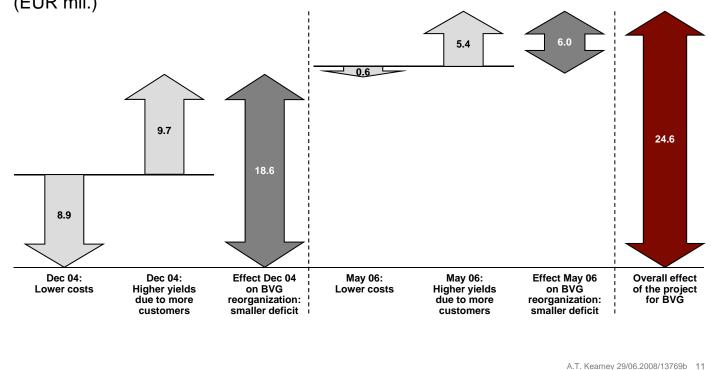
## All planning objectives have been confirmed – above all the significant acquisition of passengers on the Metrobus lines



### Through greater efficiency BVG has not only succeeded in acquiring customers but also in saving costs

Total contribution to restructure p.a.





Thank you very much for your interest!

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