Underground Utopia in Dresden – 120 years better off without
120th anniversary of Dresden Underground Utopia

- **1863**
  - London Steam Underground Railway

- **1897**
  - Dresden Underground Plan I - Industrialisation

- **1899**
  - Berlin Underground Tram (1902: U-Bahn)

- **1920’s**
  - Dresden Underground Plans II – Weimar Republic

- **1940’s**
  - Plans III – Post War Rebuilding

- **1950’s**
  - Plans IV – Master Plan Era

- **1990’s**
  - Plans V – Reunification Hype
Dresden’s Geography
Dresden’s Population
Past

1970
-120m DDM (Postplatz)

1995
-1.2bn DM..1bn €
-automated

Source: Landeshauptstadt Dresden Stadtarchiv
Source: DE-Consult
## Past Utopia vs. Present

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Tram</th>
<th>S</th>
<th>U</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed Ø [km/h]</td>
<td>20</td>
<td>29..(40)</td>
<td>19..(31)</td>
</tr>
<tr>
<td>Travel time [min]</td>
<td>13</td>
<td>9</td>
<td>14.5</td>
</tr>
<tr>
<td>Stops Ø [m]</td>
<td>470</td>
<td>~1,000</td>
<td>~700</td>
</tr>
<tr>
<td>Access/Exit time [s]</td>
<td>10s/20s</td>
<td>30s/60s</td>
<td></td>
</tr>
<tr>
<td>Door2door [min]</td>
<td>14.6</td>
<td>14.4</td>
<td>17.1</td>
</tr>
<tr>
<td>PAX security</td>
<td>Social control</td>
<td>Technology</td>
<td></td>
</tr>
<tr>
<td>Further indicators</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Case of Leipzig S-Bahn:

- 1.5 km tunnel
- 4 underground stations
- 10.5 years construction time (+4 years)
- 935m € (x2)
- 66,000 PAX/d (expected) vs. 24,000
- Tram/bus: -6.5% PAX, -3.7 km

Source: own visualisation on data from Wikipedia
Future

© DVB AG