**ESSEN, GERMANY - THE SPURBUS**

**Modular Split - Essen**

- **Modal split % public transport**: 17.0%
- **Modal split % private transport**: 29.0%
- **Modal split % non motorized**: 54.0%

The city has started the system in 1980 and now counts with 1 bus priority corridors consisting of 24 kilometers and benefiting 17,000 passengers every day. The average operational speed of the system is 16.5 km/h.

**System Length in Relation to Germany**

- **Germany**: 31 km
- **Essen**: 24 km

**Daily Demand in Relation to Germany**

- **Germany (Passenger/Day)**: 25,000 (59.5%)
- **Essen (Passenger/Day)**: 17,000 (40.5%)

Some technical details about corridors are presented in the table below.

<table>
<thead>
<tr>
<th>Corridor Name</th>
<th>Daily demand, corridor (passengers per day)</th>
<th>Corridor length (km)</th>
<th>Stations, corridor</th>
<th>Pre-board fare collection, corridor</th>
<th>Overtaking lanes, corridor</th>
<th>Station boarding level, corridor</th>
<th>Operating speed, corridor</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Spurbus</td>
<td>17,000</td>
<td>24.2</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>Low-level platform</td>
<td>16.5</td>
</tr>
</tbody>
</table>

**Essen** has 566,201 inhabitants. 17% of total trips are made by public transport, as showed in the graph below.

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**New York, USA - THE BRT SYSTEM**

**Modal Split - New York**

- **Modal split % public transport**: 31.0%
- **Modal split % private transport**: 54.0%
- **Modal split % non motorized**: 15.0%

The city has started the system in 2010 and now counts with 10 bus priority corridors consisting of 150 kilometers and benefiting 100,000 passengers every day. The average operational speed of the system is 25.5 km/h.

**System Length in Relation to USA**

- **USA**: 300 km
- **New York**: 150 km

**Daily Demand in Relation to USA**

- **USA (Passenger/Day)**: 200,000 (50.0%)
- **New York (Passenger/Day)**: 100,000 (50.0%)

Some technical details about corridors are presented in the table below.

<table>
<thead>
<tr>
<th>Corridor Name</th>
<th>Daily demand, corridor (passengers per day)</th>
<th>Corridor length (km)</th>
<th>Stations, corridor</th>
<th>Pre-board fare collection, corridor</th>
<th>Overtaking lanes, corridor</th>
<th>Station boarding level, corridor</th>
<th>Operating speed, corridor</th>
</tr>
</thead>
<tbody>
<tr>
<td>The BRT</td>
<td>100,000</td>
<td>15.0</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>Low-level platform</td>
<td>25.5</td>
</tr>
</tbody>
</table>