**General Information about the City**

- **Population**: 12.39 million (estimated population, 2021)
- **City Area**: 1,521,110.33 km²
- **Average Temperature**: 21 °C
- **Annual Rainfall**: 1412 mm/year
- **Number of Car Ownership**: 5,976,522 car fleet, 482 cars per 1000 inhabitants
- **GDP (US Dollars)**: 146.6 billion (1 USD = 5.21472 BRL)

**Climate Risks**
- Extreme temperature (hot) (heat waves, water scarcity)
- Flood (flash or surface flood)

**Urban Mobility System**

**Modal Split**

- Walking (31.8%)
- Bus (25.4%)
- Car (27.3%)
- Motorcycle (2.5%)
- Bike (0.9%)
- Taxi/ Ridehail (1%)

**Public Transport Modes**
- Conventional Municipal Bus
- Conventional Metropolitan Bus
- Bus Rapid Transit (BRT)
- Metro
- Train
- Taxi + Ride-Hailing Apps
- Bike sharing
- Others: Vans and taxis adapted from the atende service and school buses

**Total No. of routes / buses**

- 2019
  - 1,337 routes
  - 13,981 buses

**Carried passengers (Avg. daily demand)**

- 2019: 8,86 M pax/day
Climate and Urban Mobility Policies

Political Commitments
- Lei do Clima – 16802 (2018);
- PlanClima SP (2021);
- Municipal Law of Climate Change (nº 16.802/2018);

Vision for net zero urban mobility
The city has a target to decarbonise their public transport fleet and reduce emission:
- CO2: 50% (2028) and 100% (2038);
- MP: 90% (2028) and 95% (2038);
- NOx: 80% (2028) and 95% (2038).

Experiences
Several tests carried out in the city and a pilot project with 18 battery electric buses (BEV).

Electric Buses

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Targets for electric bus adaption
1. At least 2600 electric buses in operation by 2024.
2. 13,000 more electric buses in operation by 2038.
3. Full electrification by 2038.

Ongoing projects and planned projects
Pilot project carried out by the operator Transwolff with 18 standard BYD electric vehicles.

Bus Technology Share

<table>
<thead>
<tr>
<th>Technology</th>
<th>Quantity</th>
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</thead>
<tbody>
<tr>
<td>ICE – Buses</td>
<td>13981</td>
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<tr>
<td>Hybrid-Buses</td>
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<tr>
<td>E-Buses</td>
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18 BEV

References: