Deep Dive City
Salvador
Brazil

General Information about the City\textsuperscript{1,2,3}

- Population
  2.9 million
  (estimated population, 2021)

- City Area
  693 km\textsuperscript{2}

- Average Temperature
  25.6 °C

- Annual Rainfall
  1900 mm/year

- Number of Car Ownership
  618,610 car fleet
  213 cars per 1000 inhabitants

- GDP (US Dollars)
  12.2 billion
  (1 USD = 5.21472 BRL)

Climate Risks
- Extreme temperature (hot) (heat waves, water scarcity)
- Flood (coastal flood)
- Storm (rain storm)
- Severe wind
- Slides (landslides)

Urban Mobility System\textsuperscript{3,4,6}

Modal split

- Car (20%)
- By foot (38%)
- Bike (0.5%)
- Motorcycle (1.5%)
- Others (4.1%)

Public transport modes

- Bus:
  Public Transport System by Bus (STCO)
  Complementary Special Transport Subsystem (STEC), Metropolitano

- Railroad:
  Train and Subway

- Water transportation:
  Ferry boat and speedboats

- Lifts:
  Lacerda elevator

Total No. of routes / buses
321 routes

- 2019
- 2423 operational buses
  (2369 conventional buses
  54 Minibuses)

Carried passengers (Avg. daily demand)
2019: 1.36 M pax/day

Gender equity (Share of women of all public transport passengers)
55.82%
Climate and Urban Mobility Policies

Vision for net zero urban mobility
Decarbonize the public transport fleet
- 2032 – 40% of the public transport fleet powered by clean energy;
- 2049 – 100% of the public transport fleet powered by clean energy.

Promote active mobility
- 2024 – Reduce 25% of private vehicle travels and raise to 5% of the bicycle travels;
- 2032 – Reduce 45% of private vehicle travels and raise to 10% of the bicycle travels;
- 2049 – Raise to 15% of the bicycle travels.

Ongoing Projects and Planned Projects
By 2024, the city plans to acquire approximately 30% electric buses in the BRT system of the city.

Political Commitments
- Global Pact of Mayors for Climate and Energy (ICLEI);
- Cities4Forests (WRI);
- Deadline 2020 (C40);
- Urban Mobility Plan 2017 (PlanMob Salvador).

Electric Buses

Targets for electric bus adaption
1. 30% electrification of the BRT fleet by 2024.
2. Full electrification by 2049.

Bus Technology Share

<table>
<thead>
<tr>
<th>Bus Technology</th>
<th>Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE – Buses</td>
<td>0</td>
</tr>
<tr>
<td>E-Buses</td>
<td>0</td>
</tr>
<tr>
<td>Hybrid-Buses</td>
<td>2423</td>
</tr>
</tbody>
</table>

Experiences
- May-August 2019: BYD bus pilot test was carried out;
- September 2021: BYD bus pilot test was executed.

References
2. C40
3. PlanMob Salvador, 2017
4. Relatório Técnico RT06:Diagnóstico da Mobilidade em Salvador
5. PMAMC Salvador

Published by TUMI Management
Deutsche Gesellschaft für internationale Zusammenarbeit (GIZ) GmbH
Bonn und Eschborn
E info@giz.de
I www.giz.de
Friedrich-Ebert-Allee 36 + 40
53113 Bonn
T +49 228 44 60-0
F +49 228 4460-17 66
Dag-Hammarskjöld-Weg 1 – 5
65760 Eschborn
T +49 6196 79–0
F +49 6196 79–11 15
Status
June 2022