Deep Dive City
Guadalajara
Mexico

General Information about the City

- Population: 1.5 million (2016)
  (Metropolis: 5 million)
- City area: 151 km²
  (Metropolis: 2,734 km²)
- Average temperature: 21 °C
- Annual rainfall: 983 mm/year
- Number of car ownership:
  619,586 car fleet
  506.51 cars per 1000 inhabitants (2021)
- GDP (US Dollars): R$ 51,417,44

Climate risks:
- Drought
- Extreme temperatures
- Landslides
- Heatwaves
- Heavy rain (flooding)

City area: 151 km²
(Metropolis: 2,734 km²)

GDP (US Dollars): R$ 51,417,44

Urban Mobility System

- Modal split:
  - Walking (37%)
  - Car (27%)
  - Motorcycle (1%)
  - Taxi (3%)
  - Cycling (2%)
  - Public transport (28%)
  - Others (2%)

Carried passengers (Avg. daily demand):
376,938 pax/day
based on a total of 67,848,849 pax in the first 6 months of 2021

Gender equity (Share of women of all public transport passengers):
55.7%

Total No. of routes / buses:
5,147 buses

Public transport modes:
- Light Rail Transit (LRT)
- Paratransit
- Macrobus and Peribus BRT
- Trolleybuses
- Electric bus line
- Bike sharing (MiBICI)
Climate and Urban Mobility Policies\textsuperscript{2,3,4,5}

Vision for net zero urban mobility
- Become carbon neutral by 2050
- Increase users of the city’s Urban Electric Train System by 20% by 2030
- Increase the number of cyclepaths and sidewalks in a 42%
- At least 10.9% of the private car fleet will be electric
- Save 885,637 tons of CO2 by 2030

Ongoing projects and planned projects\textsuperscript{3}

C40 Cities Finance Facility
28km long new bus corridor to connect two Light Train lines and cover transport where trunk routes don’t run, improving connections between low-income neighborhoods and support public transport services in a development area in the east of the Metropolis.

Political commitments
EUROCLIMA+ Porgram:
Integrated Sustainable Urban Mobility Plan (SUMP) for MA

C40 Cities Finance Facility:
shift buses to low or zero emission technologies

Electric Buses

Targets for electric bus adaption
1. Renew 100% of buses with low-emission units.
2. Renew 1000 buses that have completed their lifecycle.

Experiences
Implementation of MiTransporte eléctrico, the first line 100% operated by electric buses in México with 38 units.

Bus technology share\textsuperscript{2}

<table>
<thead>
<tr>
<th>Bus Type</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>ICE – Buses</td>
<td>5147</td>
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<tr>
<td>Hybrid-Buses</td>
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</tr>
<tr>
<td>E-Buses</td>
<td>53</td>
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</table>

<table>
<thead>
<tr>
<th>Description</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>25 trolleybuses</td>
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</tr>
<tr>
<td>38 e-buses</td>
<td></td>
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</tbody>
</table>

References:
1 Our impact | ICLEI Sustainable Mobility
2 EUROCLIMA+
3 C40 Cities Finance Facility | Guadalajara - Electric Buses (c40cff.org)
4 (20) Watch | Facebook
5 PAC Metro Jalisco

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