Deep Dive City
Monterrey
Mexico

General Information about the City

- Population
  1.1 million (2015)
  (Metropolis: 4.7 million)

- City area
  324.8 km²
  (Metropolis: 7657 km²)

- Average temperature
  23°C

- Annual rainfall
  620 mm/year

- Number of car ownership
  400 cars per 1000 inhabitants

- GDP (US Dollars)
  90.8 million

Climate risks
- Hot temperatures (heat waves and droughts)
- Tropical storms (cyclones and hurricanes)
- Heavy rain (flash floods)

Urban Mobility System

- Private transportation for employees (5%)
- Public transport (20%)
- Private car (46%)
- By foot (19%)
- Taxi and on-demand services (6%)
- School transport (2%)
- Bicycles (0.8%)
- Motorcycles (0.8%)
- Others (0.3%)

Carried passengers (Avg. daily demand)
- 2.9 millions daily boardings:
  80% buses
  20% Massive and integrated services: Metroreyy, Ecovía, Metrobús, Metroenlace and Transmetro

Gender equity (Share of women of total travels)
- 47%

Public transport modes
- Metro / Transporte Colectivo Metrorrey: 3 lines and 3 under planning
- Ecovía (BRT): 1 line
- Transmetro: Metrobús (metro feeders)
- MetroEnlance (suburban metro feeders)
- DIF Circuits (for people with disabilities)
- Private operated bus routes
- Taxis

Total No. of routes
- 401 services, including all of the transportation modes
  (listed above, except taxi)
Climate and Urban Mobility Policies\textsuperscript{3,4,5,6}

Vision for net zero urban mobility
Electrification of the TransMetro routes.

Ongoing projects and planned projects\textsuperscript{3}

C40 Cities Finance Facility:
Studies for implementation of four new bus corridors, including a connection to the airport. They will operate with electric buses and ensure access to the Metro system and BRT, promoting economic development and the area in northeast Monterrey (+110 e buses of 12 metres).

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

Experiences
Electrifying the TransMetro BRT lines: connecting MA to new metro lines to improve connectivity and travel times.

Electric Buses

1. Procurement for 110 electris buses for 4 feeder routes to Metrorrey line 3.
2. Electrify 3 more feeder routes to other metro lines.

Business Model
State government will provide charging infrastructure and the energy (using Metro infrastructure), procurement of buses by private operators.

Bus technology share

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ICE – Buses & 80 \tabularnewline
natural gas buses & E-Buses \tabularnewline
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