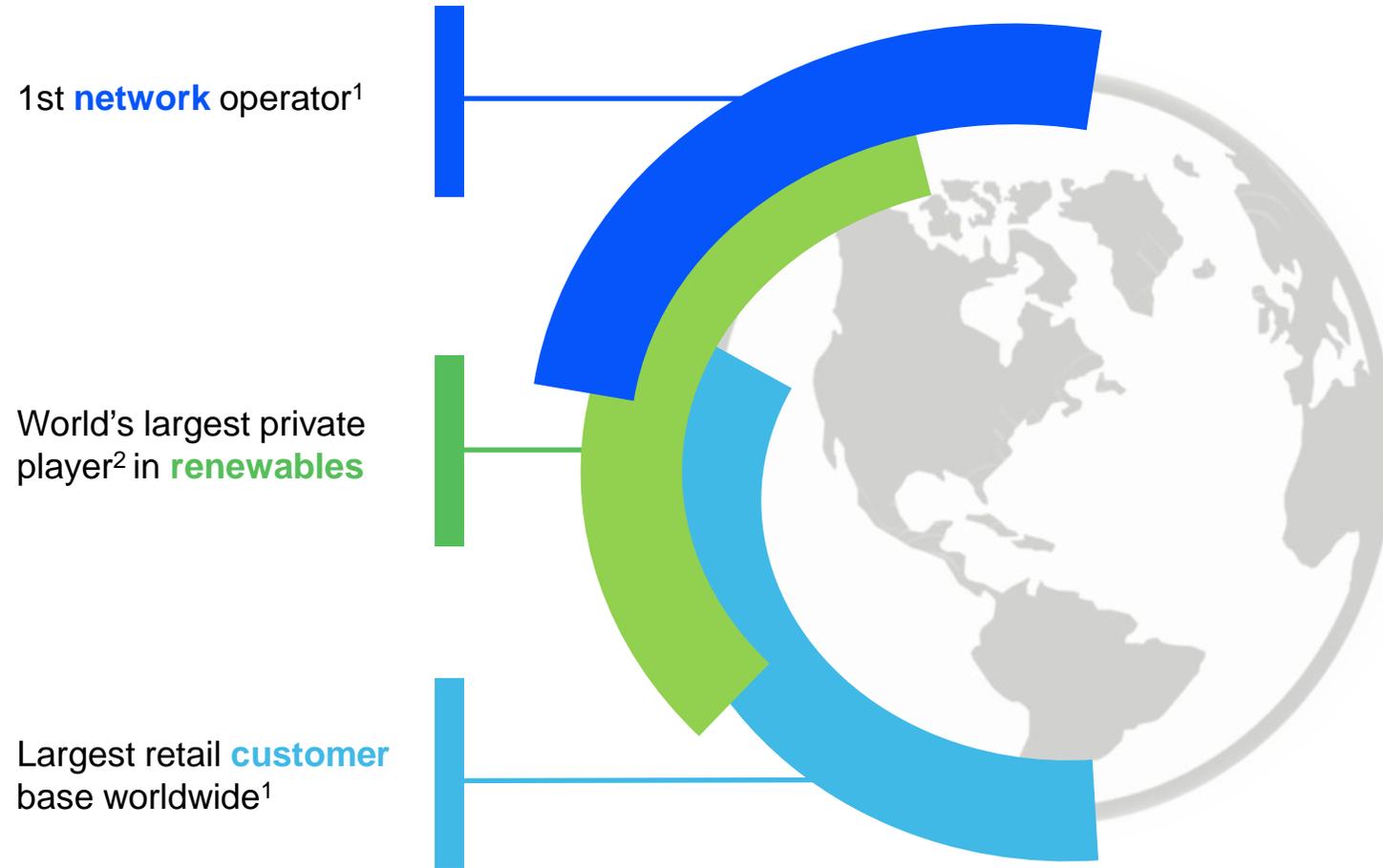


# Enel X

Promoting electric mobility for sustainable development in Latin America

# Enel Group today

We are a leader in the new energy world



73 mn end users



43 GW capacity<sup>2</sup>



~ 71 mn customers<sup>4</sup>

- 1. By number of customers. Publicly owned operators not included
- 2. By installed capacity. Includes managed capacity for 4.2 GW
- 3. It includes nuclear
- 4. Includes customers of free and regulated power and gas markets

# Enel X accelerates energy transition by opening energy to new uses



New customer-oriented businesses, where digital transformation is the backbone



e-City



e-Industries



e-Home



e-Mobility



Financial Services

City Infrastructure

Energy Equipment

Green Products

Charging Equipment

Insurance

Ecosystems

City Services

Energy Services

Home Services

Charging Services

Credit

Digital Services

Digital Services

Digital Services

Digital Services

Debit

Digital Offering

Implementation of the digital strategy is the basis of the evolution of the service offering



# Enel X in the world



## North America

- Canada
- USA
- Costa Rica



## Europe

- Portugal
- Spain
- France
- Ireland
- United Kingdom
- Poland
- Romania
- Italy



## Asia

- South Korea
- Japan



## South America

- Colombia
- Peru
- Chile
- Argentina
- Brazil



## Australia

- Australia
- New Zealand

✓ <b>People</b>	2.750
✓ <b>Countries</b>	20
✓ <b>Revenues</b>	mn€ 1.154
✓ <b>EBITDA</b>	mn€ 123



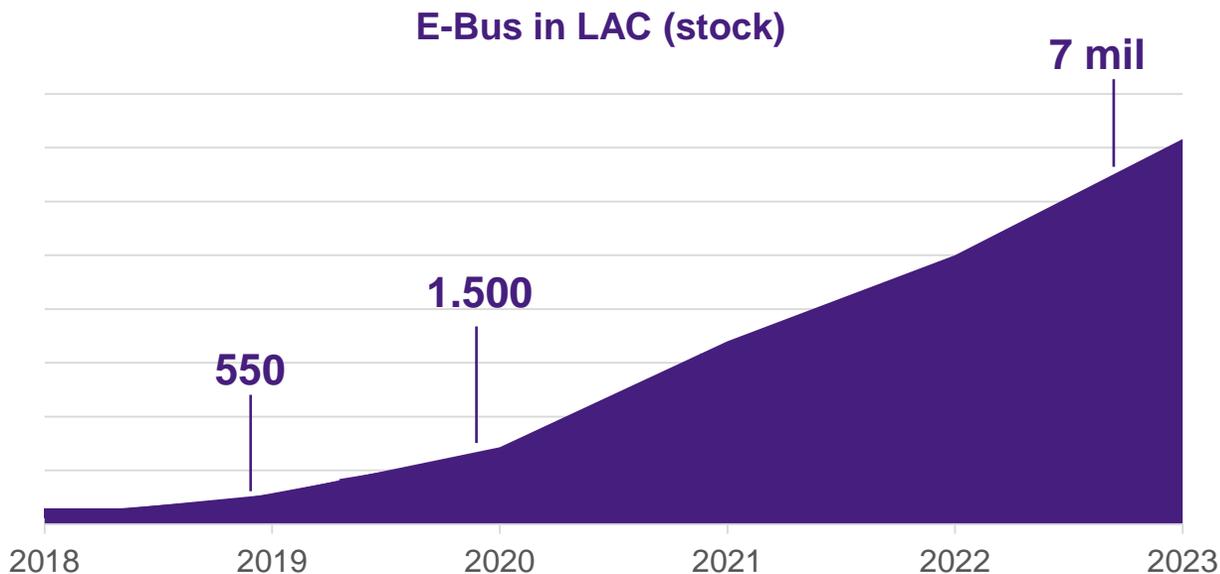
# Latin America leading electric public transportation



- Latin America is starring in the development of electric buses ahead of the United States and Europe, positioning itself only after China.

## The e-bus market take off in Latin America and the Caribbean

(number of accumulated buses)

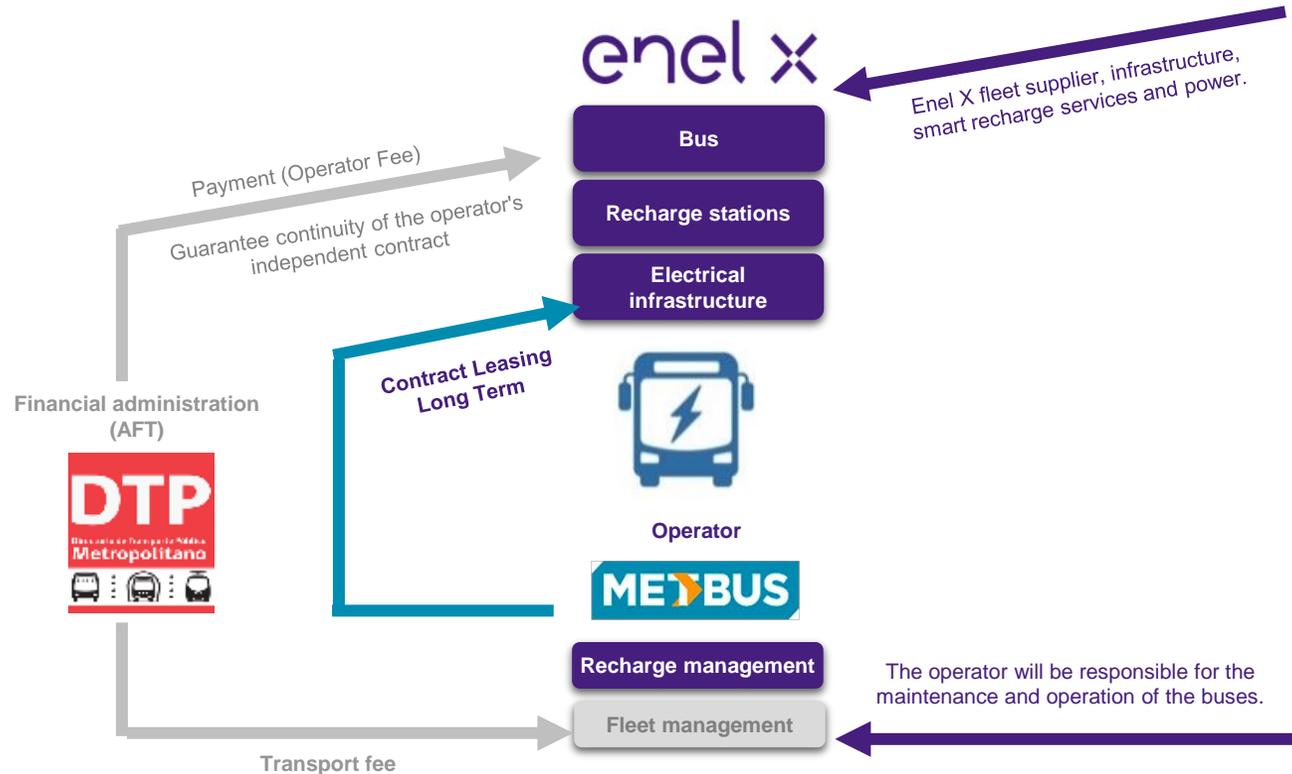


- Latin America and the Caribbean has 550 electric buses that now run in 8 countries (Colombia, Peru, Brazil, Chile, Argentina, Uruguay, Ecuador and Costa Rica)
- It is estimated that a total number of electric buses will reach 7.000 in 2023 in the entire region
- Enel X has carried almost 50% of the buses that are currently in operation (Colombia, Peru and Chile)
- Enel X will continue to increase its commitment to boost the development of sustainable transport in the region

# Latin America as an example of an innovative business model



- Electric public transport in Latin America is economically and technologically competitive
- Long-term, authorities-backed financing, allows financial institutions to have greater guarantees to invest



UITP AWARDS  
2019

Supported by



WINNERS OF  
UITP AWARDS



UITP Awards  
Recognition of innovative and  
relevant projects for public  
transport worldwide



# Boosting electric public transport in Latin America



## Chile: Electric buses project

### Latin America's largest commercial electric bus fleet

- 287 buses 100% electric
- Public/Private Alliance
- Smart bus stops equipped with video analytics, advertising, WiFi, real-time information
- 8 electro-terminals with Photovoltaic Panels



## Colombia: Electric buses in Bogotá

- **First electric bus in Bogota:** 18 meters long. Autonomy of 219 km
- **Transmilenio project:** 379 electric buses will be incorporated into the city of Bogota, with the installation of 3 electro-terminals



## Perú: First electric bus in Lima

- **2nd semester deployment 2019**
- Circulation along the main avenues of Lima (50 kms)
- 350km range
- An estimated 86,400 passengers per day
- The bus has the real-time data system and after six months a Replicability Report will be prepared to create a massive electric transport system in the country



New opportunities for electric bus charging infrastructure installation in  
**Uruguay, Argentina and Brazil**

# Fleet implementations in Latin America



## Taxis fleets and corporate electric cars Colombia and Peru

### Colombia:

- 37 electric taxis in Bogota with more than 34 charging points in 4 locations in the city
- 12 electric cars for Cabify and Avianca's corporate fleet

### Peru:

- First 2 electric taxis in Lima with installation of charging infrastructure (Juicebox Pro 32 and Fast Charger)



## Electric cars for Enel employees Colombia and Chile

### Incentives to boost electric mobility in the Enel Group

- Plans for internal partners offer the possibility to access the purchase of an electric car through financing and fleet discounts
- We have more than 80 100% electric cars in Colombia and Chile
- About 5% of EV's in Colombia and Chile belong to Enel Employees



# Innovation in bidirectional chargers

## First V2G in Latin America



### Sao Paulo, Brazil

#### V2G in Brazil (International Auto Show)

- Brazil's first two-way charging station, designed to supply power from a Grid to Grid system
- The V2G allows an optimization of energy consumption, "Peak Shaving", price arbitration and backup energy



### Santiago, Chile



#### V2G in Chile (Energy Sustainability Agency)

- First charger of its type operating in Chile, which is complemented by the installation of a 3.0 kW solar photovoltaic system at the Energy Sustainability Agency and a Nissan LEAF electric vehicle
- This technology will seek to give electric vehicles additional functionality, particularly at the fleet level, which is to manage the energy to be consumed, or potentially the delivery to the grid, thus providing support to provide a service flexibility to the power grid



# A new way to integrate electric mobility into cities



## Real Estate Projects Chile, Brazil and Colombia

### The Project:

- New offer to Real Estate Companies that includes the concept "Ready to Electric Mobility"

### Objective:

- Incorporate the infrastructure necessary for the installation of electric chargers in the design phase of new buildings



## Smart city solutions Chile, Argentina, Peru, Colombia and Brazil

### Offer of charging points integrated into urban mobility of cities

- **JuiceLamp:** efficient public lighting point combined with recharging infrastructure
- **JuiceLed:** efficient recharge point combined with advertising deployment via LED displays



# Public and private recharge infrastructure Enel X in Latin America



## SOUTH AMERICA

- 880 POINTS (2019)
- +24 MIL POINTS (EXPECTED 20-24)
- FIRST PAN-AMERICAN ROUTE

### COLOMBIA

- 310 POINTS (2019)
- 2.500 POINTS (EXPECTED 20-24)

### PERÚ

- 30 POINTS (2019)
- 800 POINTS (EXPECTED 20-24)

### CHILE

- 390 POINTS (2019)
- 8.500 POINTS (EXPECTED 20-24)

### BRASIL

- 100 POINTS (2019)
- 10.000 POINTS (EXPECTED 20-24)

### ARGENTINA

- 50 POINTS (2019)
- 1.500 POINTS (EXPECTED 20-24)

 First Pan- American Route

 Enel X Presence



enel x

Thank you.