

# MobilizeYourCity Potential in Asia and the Pacific



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**ADB**

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# Leveraging MYC to transform a city

## Grant resources

- MobilizeYourCity
- ADB Trust Funds

\$0.5-1 million

Prefeasibility  
/ Feasibility

## Grants and loans

- Project Readiness Financing
- Small Expenditure Financing Facility

\$2-10 million

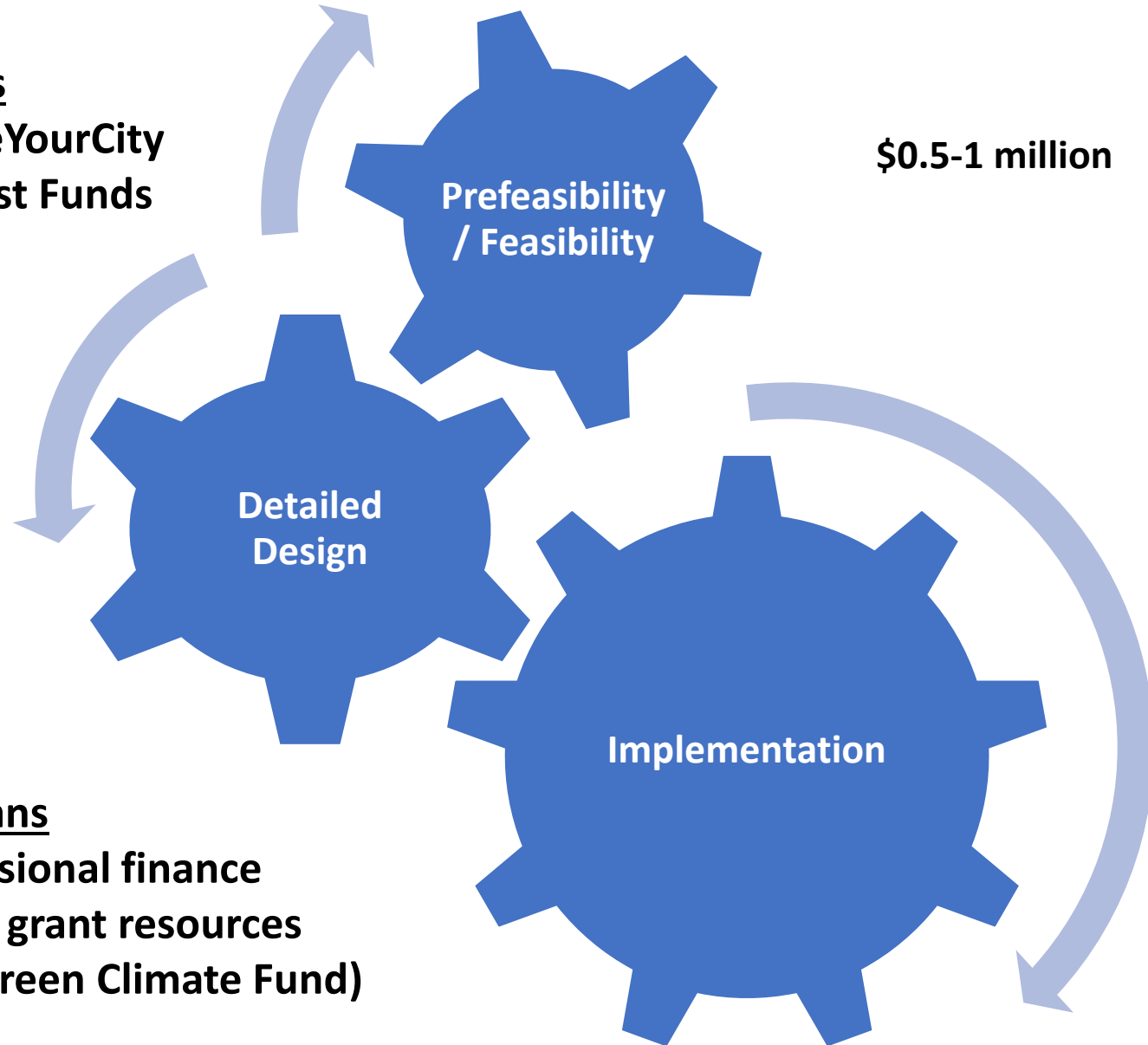
Detailed  
Design

## Grants and loans

- Concessional finance
- Special grant resources (e.g., Green Climate Fund)

\$30-500 million

Implementation



# Integrated Urban Transformation Project

**Urban transport**



**Third-generation BRT**

**Climate resilience**



**Bioswales**

**Environmental sustainability**



**Air and noise quality**

**Social sustainability**



**Community development**

**Energy**



**Biogas energy plant**

**Urban agriculture**



**Community farming**

**Historical restoration**



**Building restoration**



**Non-motorized transport**



**Permeable pavements**



**Waste management**



**Gender mainstreaming**



**Energy efficiency**



**Circular economy water recycling**



**City center revitalization**



**Transit-oriented development**



**Integrated utility relocation**



**Ocean cleaning**



**Universal accessibility**



**Electric feeder vehicles**

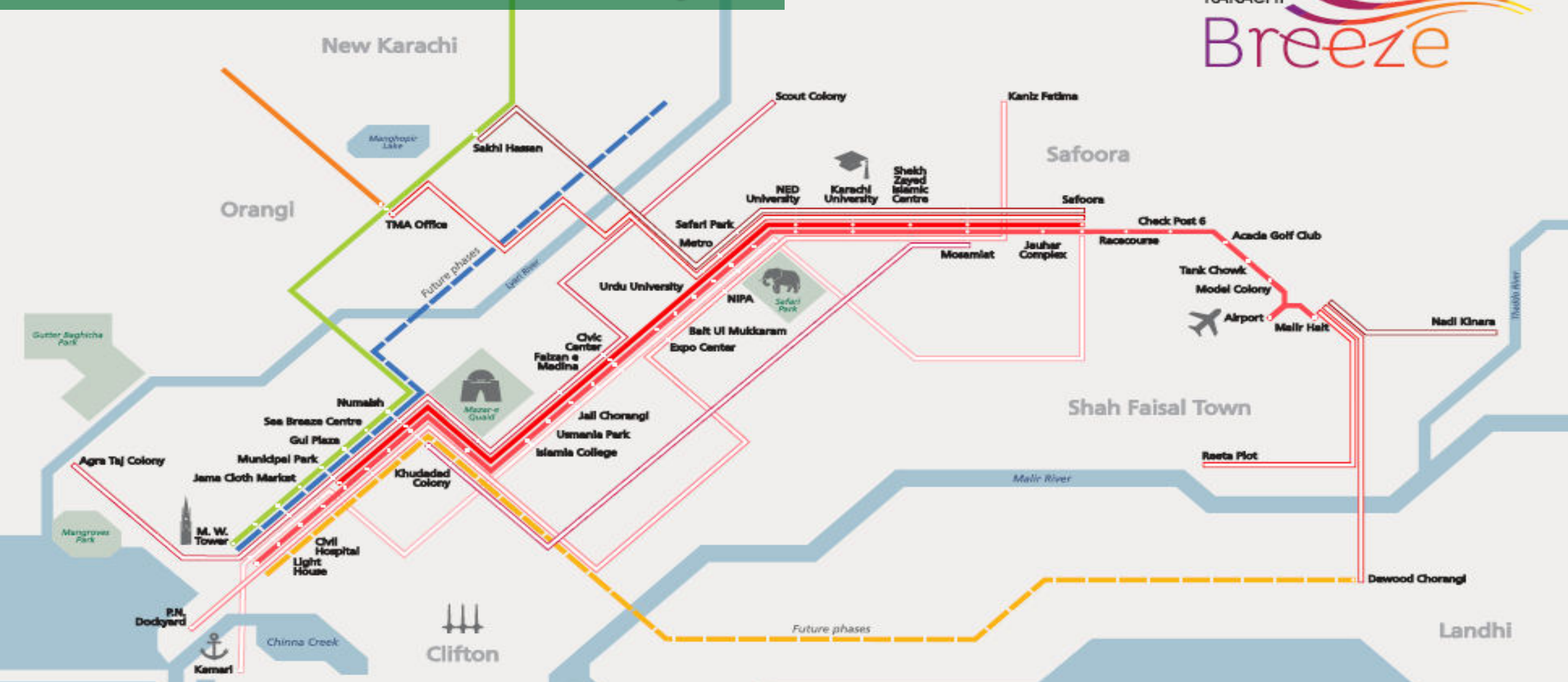


**Compost production**



**Tourism promotion**

# 1. Karachi BRT Red Line Project



**USD 503.2 million (PKR 93.5 billion) total investment**

**Co-financed by: ADB, AFD, AIIB, GCF**

# Third-Generation, Gold Standard System

- ✓ Vehicles operate both on-corridor in dedicated busway AND off-corridor in traffic
- ✓ Both express and local services

Single median stations

Secure, weather-protected stations

Platform level boarding

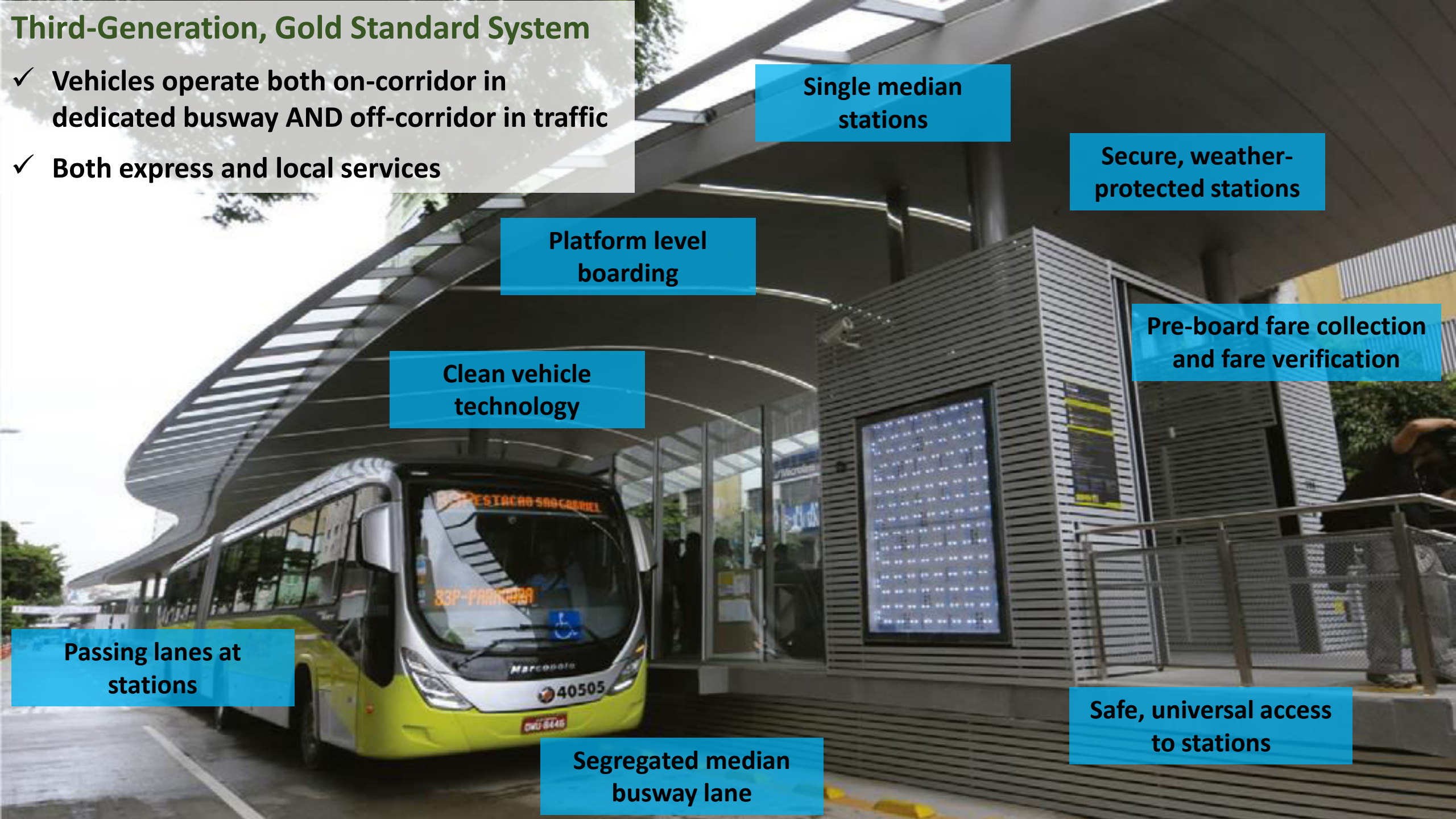
Pre-board fare collection and fare verification

Clean vehicle technology

Passing lanes at stations

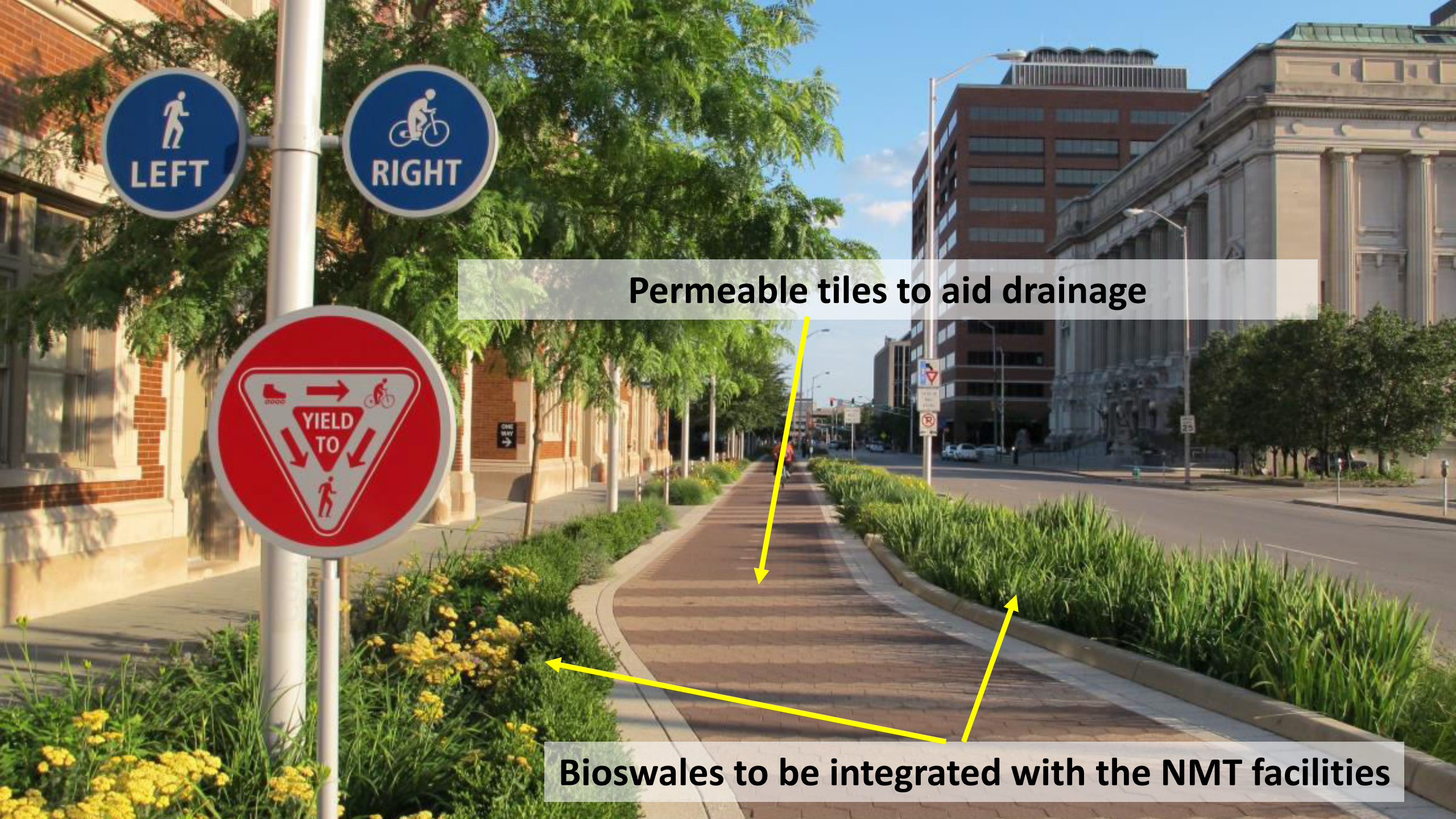
Safe, universal access to stations

Segregated median busway lane



**Karachi's lack of stormwater drainage gives the city little resilience to extreme weather events**





**Permeable tiles to aid drainage**

**Bioswales to be integrated with the NMT facilities**

# Opportunistic usage of vegetation to assist with corridor drainage



Example: Xiamen, PRC



# Lane Strips for drainage



Example: Eugene, USA

## Behn's Colony Karachi:

- ❑ One million cattle raised in dense urban area
- ❑ Manure waste flow directly onto the streets



**Cattle waste and other waste streams have  
made Karachi Bay biologically dead**



This city in Pakistan has an  
**innovative** new way of  
**powering its buses**



# 2. Peshawar BRT Project



## BUS RAPID TRANSIT PESHAWAR

THE JOURNEY OF  
CONVENIENCE, COMFORT & RELIABILITY



# Universal accessibility



# Gender<sub>1</sub> equity

# Pakistan's first bicycle sharing system



# Global recognition



## mobilize

Peshawar:  
Road to the Region's First  
Gold Standard BRT





### 3. Bishkek Electric Bus Project



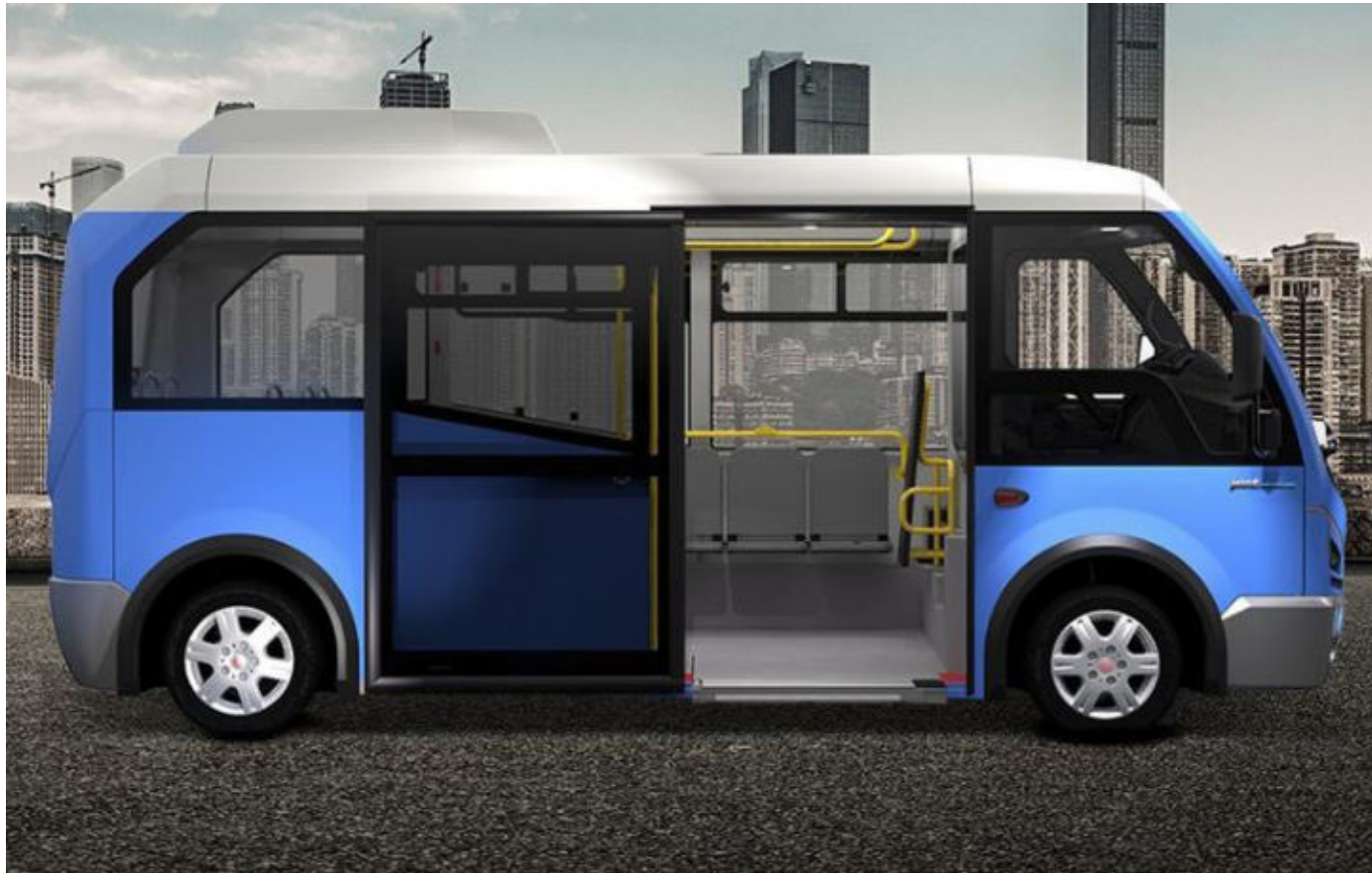
### ADB's investment to Bishkek, Kyrgyzstan

- Fleet of 120 electric buses
- Retrofitting depots for electric buses
- 3.5-km green corridor development



# 4. Dushanbe EcoMobility Project

Transforming van services with electric minibuses



5.8-meter minibus, Karsen (Turkey)



# 5. Tbilisi EcoMobility Project



***Current public transport subsidy in Tbilisi: USD 137 million per year***



## Parking conditions undermine Tbilisi's development objectives, in terms of:

- Accessibility
- Mobility
- Tourism



Many valuable plazas and courtyards are now more for vehicle storage rather than people



- **On-street parking technology**
- **Off-street parking levy**
- **Real-time parking occupancy technology**
- **Parking enforcement systems**

A person is using a parking machine. The person's hands are visible, holding a black device and a light blue card. The machine has a screen, buttons, and a card slot. A large blue square with a white 'P' is on the right side of the machine. The background is a blurred city street.

**P**



# Parking Levy case studies

## Sydney

- US\$ 615 per space per year
- City earns US\$ 31 million per year in income



## Perth

- City earns US\$ 8.2 million per year

# Revenue Potential

Parking levies can be so lucrative that they can eliminate the need for public transport fares while also eliminating public transport subsidies

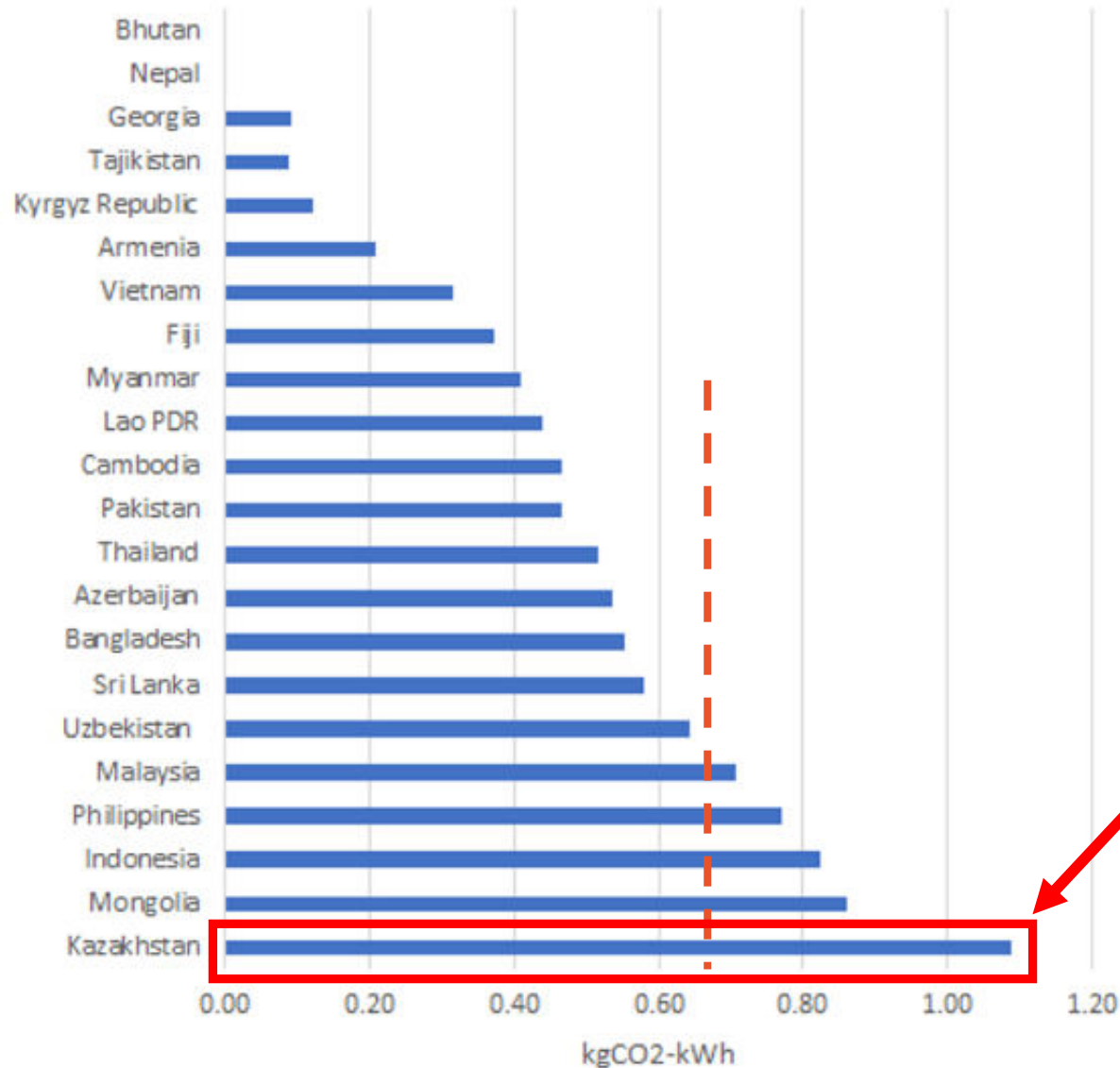


## 6. Almaty Sustainable Mobility



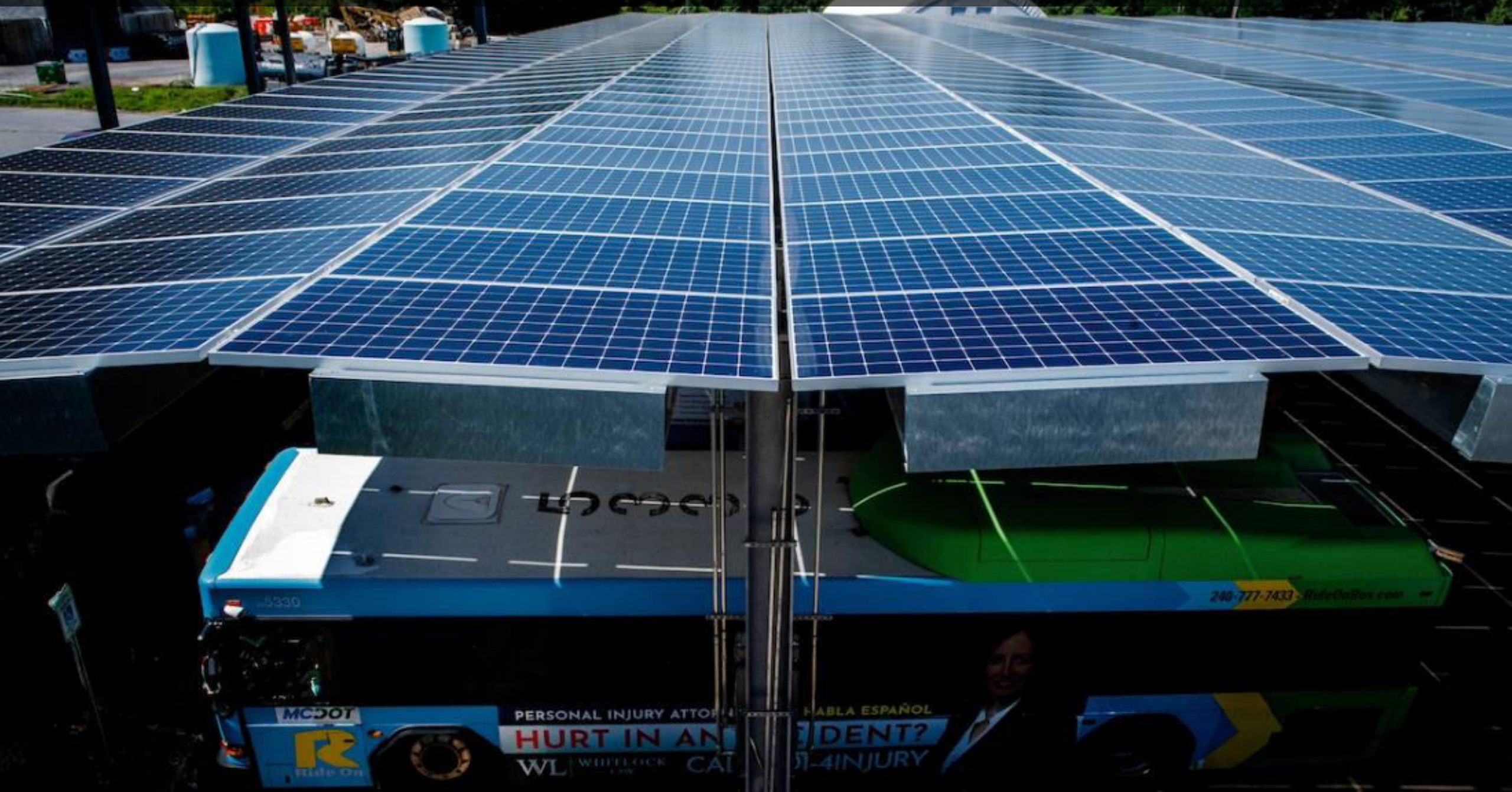
# Realizing Paris Alignment

Grid Factor of selected ADB countries in 2019 (kgCO<sub>2</sub>e/kWh)



Due to 84% of power generation from fossil fuel sources (and over 70% coal-based), use of electric vehicles in Kazakhstan would actually increase greenhouse gas emissions.

# Placing solar photovoltaic panels over bus depots to meet Paris requirements



# *Transforming cities with MYC*



Thank you