WORLD BANK GROUP | KOREA GREEN GROWTH TRUST FUND | Ministry of Finance and Economy | SEJONG CITY | CTA هيئة النقل العام محافظة القاهرة | GREATER CAIRO AIR POLLUTION MANAGEMENT & CLIMATE CHANGE PROJECT

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Accelerating Green Transport Industry Development and Job Creation in Egypt

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Transport Pathway to Egypt's Green Transition

Egypt is transitioning to a low-carbon development pathway, promoting green technologies in creating jobs. Electric Bus manufacturing and operation is a priority area.

Challenges:
-Growing demand and aging infrastructure,
-Policy and institutional gaps,
-Macro-fsical crises and shocks.

Egypt vision for reforms:
-Macro stabilization,
State owned enterprise reforms
-Private sector empowerment,
-Green and resilient transition.

Transport Green Transition:
- Sustainable transport infrastructure (high speed rail, monorail, Bus Rapid Transit)
- Electrify public transport fleet
- Egyptian E-Bus manufacturing companies

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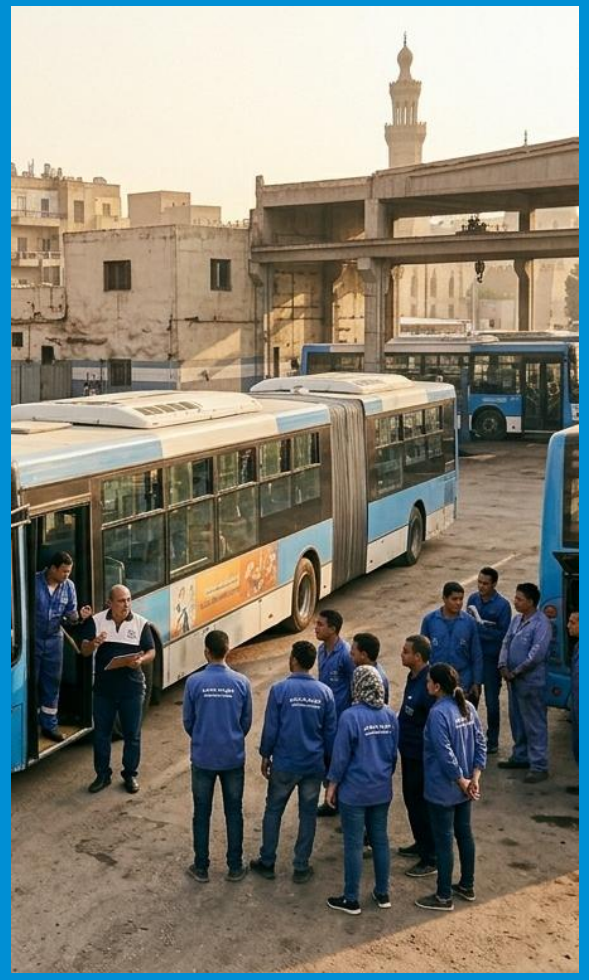
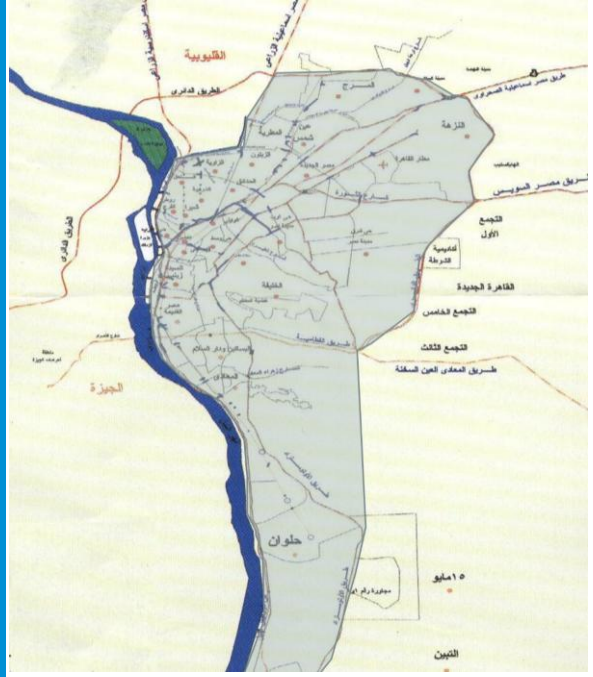
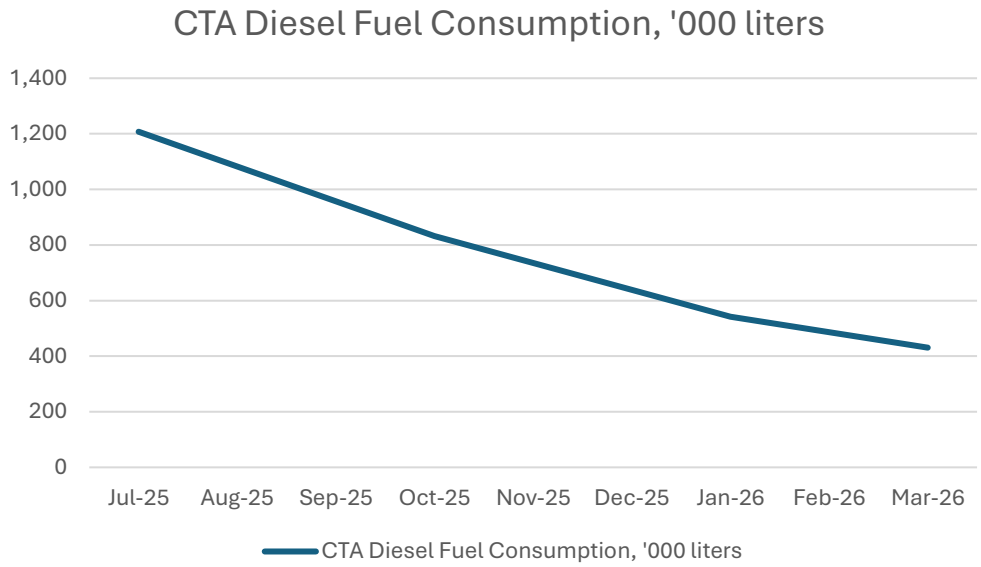
Cairo Transport Authority's Transformation







- CTA buses transport over 1 million passengers daily across Cairo, supporting citizens' lives by providing affordable, reliable transport, contributing to economic productivity and social mobility.
- Reforms to reduce carbon footprint are underway. Operational improvements and conversion to Natural Gas fleet has reduced CTA's diesel fuel consumption by 60% over 7 months.
- Workforce development program is underway, modernizing the service and improving quality and resilience, leveraging digital technologies.
- Strategic investment projects: digital payment system; Electric Bus introduction.

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Electrifying Egypt's Public Transport: the World Bank-financed e-bus demonstration

The Greater Cairo Air Pollution Management and Climate Change (GCCC) Project is reducing air and climate emissions in Greater Cairo while increasing air pollution resilience.

- Supply of 100 eBuses for CTA
- 20 eBuses for Cairo Ring Road Bus Rapid Transit (BRT)

- Retrofitting an existing bus depot in Amireyah as a charging station.

- Enabling capacity building activities. Training for drivers, mechanics, maintenance, regulators, stakeholders.

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Electrifying Egypt's Public Transport: the World Bank-financed e-bus demonstration

The eBus demonstration project focuses on accelerating Egypt's green transport transition, leveraging the global good practice and seed investment to unlock the private investment potential.

Technical Solution. Financed the detailed design studies developed specifications catered to Cairo's severe operational environment.

Implementation Support. The World Bank's Hands-on Implementation support on the technical and procurement aspects.

Partnerships. The Government is scaling up the demonstration, commencing a competitive tender for 2000 ebuses leveraging the technical specs.

Reforms. Development of the Government of Egypt E-Bus Scale-up Strategy

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Ongoing KGGTF Collaborations

Korea Green Growth Trust Fund (KGGTF) has facilitated the World Bank technical support to accelerate the transport green transition in strategic areas of collaboration.

- Greater Cairo Mobility Assessment and Public Transport Improvement Opportunities
- Vision and Curriculum Development of Egypt National University of Transport
- Partnerships Facilitation with Korean Expertise on Green Transport Industry and Human Capital Development

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Opportunities for partnering with Korean expertise

Industrial Localization Support

Korean manufacturers enable localization of bus components, battery pack assembly, and quality systems to meet local content targets.

Advanced Battery Technology

Korean firms excel in battery durability, thermal management, diagnostics, warranties, and end-of-life recycling for lifecycle cost control.

Infrastructure and Energy Systems

Korean companies deliver depot charging, smart energy platforms, and grid upgrades for reliable, high-capacity charging integration.

Digital Operations and Financing

- Korean digital solutions improve fleet management and scheduling; finance institutions support concessional financing and training programs.

Capacity Building

- Training the technical staff on repair, and the engineers on troubleshooting and data analytics.

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Thank you so much!

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