E-Mobility in Egypt

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The current status of the sustainable & electric transport system in Egypt

Studies on E-mobility:

- Ministry of Environment issued the first two economic studies on the economic return resulting from the transition of use of e-mobility.
- Policy paper was developed by CEDARE for introducing electric mobility in Egypt.
- Ministry of Electricity developed an initial strategy for the requirements of expanding the electric transmission system in Egypt.

Pilot Implementation:

Operating the first 15 public transport buses at the Alexandria Public Transport Authority, for the third year in a row.
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Manufacturing E-Vehicles & Busses:

• A preliminary agreement signed between a public Egyptian car production company & a Chinese company to manufacture the first electric car & related chargers.

• The start of actual manufacturing procedures of the first public transport bus by the Egyptian private sector.
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**Charging Stations Infrastructure:**

- Ministry of Electricity issued the feed-in-tariff scheme for electric mobility, which encouraged investment by the private sector for charging stations.
- The presence of two companies in the field of electric charging stations, & a plan for one of the companies to develop 3000 charging points within their framework of the investment.
Planned Actions

**World Bank Project:**

- Project launched to improve air quality in Greater Cairo, including a component to induce 100 electric buses in the Cairo Transport Authority (CTA) including the charging infrastructure & capacity building of personnel.

- A plan to expand the use of electric buses to reach 20% within 5 years.
Planned Actions

COP27 November 2022

• Introducing 120 electric buses & taxis to serve the COP.

Metro & Train

• Working on the third & fourth subway lines to be completed within the next 5 years in Greater Cairo, and achieve integration with various areas of the capital.
Planned Actions

**New Administrative Capital City (NACC)**

- Completion of the electric train linking the third subway line, to the NACC.
- Construction of the Monorail to serve the linkage of public transportation between the NACC and the rest of Cairo.
Planned Projects

Replacing city diesel train

Working on replacing the existing diesel train line inside Alexandria by an electric passenger transport line, & extend to reach eastern Alexandria.
Challenges

Country Level

• Financial cost of infrastructure.

• Public awareness of long term benefits of high cost e-mobility implementation.

End user Level

• Charging infrastructure cost.

• The lack of appropriate incentives for manufacturing or purchase.
Thank you
Have a safe journey