Future Cities: UK-Indonesia Low Carbon Partnership

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Future Cities as EV Ecosystem Strengthening Program

Future Cities

- Supporting emerging niche (e-bus)
- Developing enabling policy recommendation
- Capacity and partnership building

Ev ecosystem

- Tech providers
- Financial institutions
- Innovators
- Ministries
- Users
- Civil society organization
- Local government
- Development partners

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British Embassy
Jakarta
Tactical Actions: Standing on the shoulders of giants

1. Supporting Emerging niche
   - Green Recovery Challenge Fund
     - EUM 124
     - EUM 125
     - EUM 124 extension

2. Policy recommendation
   - Country Program
     - GHG Inventory development
     - Policy recommendations
     - Capacity Building

3. Capacity & partnership building
   - Skill Share and Secondment
     - EV Toolkits with DKI Jakarta
     - TfL trainings
Supporting EV Niche Projects: Early findings

E-mobility on public transport in Indonesia

Sector gap
- Financing gap on opex cost
- Weak network with technology providers (e-bus, electric trains, etc)
- Lower emissions than BAU (potential for carbon credit but need valid methodology)

Opportunities & collaborations
- Development partners strong interest to finance capex of the projects and preparing project preparatory TA
- Cooperation with “champion” interested with e-mobility public transport project
- Carbon credit as additional opex financing

EUM 124 phase 1 findings
- Shifting to EV microbus powered by PV reduces 70% GHG from BAU in 2030
- Large scale bus electrification only increased 1.39% electricity demand in 2030
- Project recommend five phases of electrification
Terima kasih!