



Foreign, Commonwealth
& Development Office



GLOBAL FUTURE CITIES PROGRAM CITY-TO-CITY KNOWLEDGE EXCHANGE

Development of Smart Ticketing System of Public Transport Network in Ho Chi Minh City, Vietnam



MSc. Le Hoan

Management Centre of Public Transport (MCPT)

August 2021

Presentation outlines



Project background and objectives

Desired outcomes and impacts

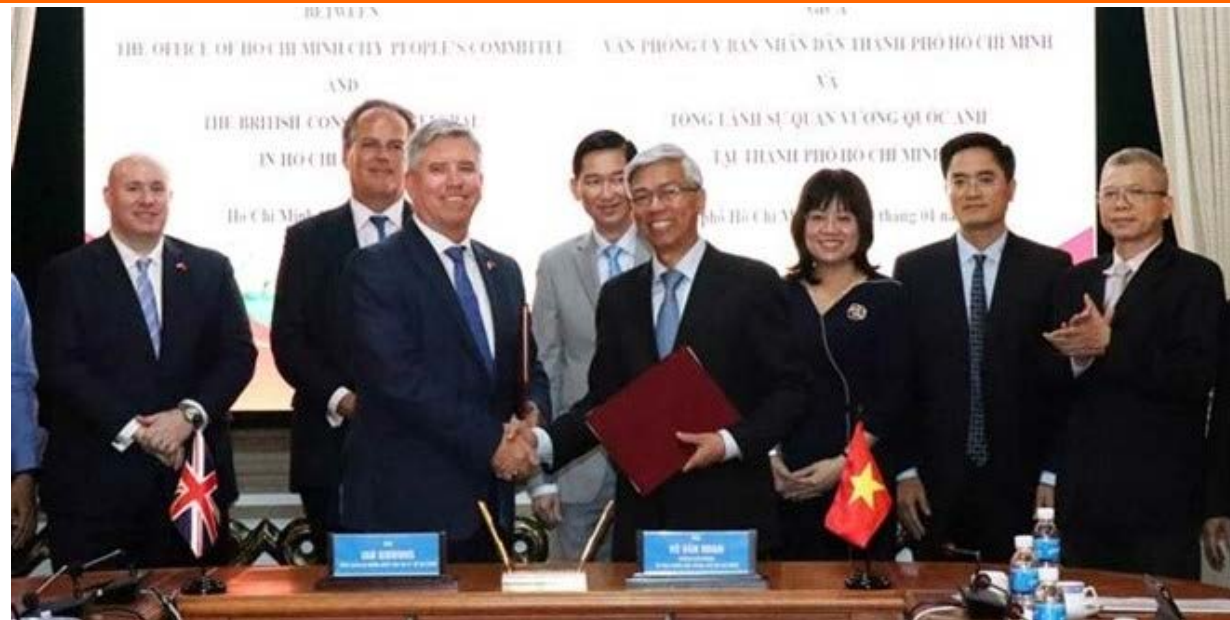
Project scope and current status

Challenges and opportunities

Lessons learned and key risks



MOU signing between FCDO and HCMC PC



Project background

- Motorcycle dependent city: 10 million people, 8.1 million motorcycles, 825 thousand cars vs. 2,300 buses (132 lines) and no mass-transit operation
- Number of private vehicles increased 4 millions during 2010-2019 period
- Bus passengers accounted for less than 5% of travel demand
- Increasing trend of private vehicles has been leading to traffic congestions, traffic accidents, air pollution and health issues
- Transport emission: 45% of total CO2 emission of the city
- First BRT and MRT lines are being constructed, no ticketing integration
- Pilot project to implement smart ticket for bus network (18 lines)



Source: DOT & Internet

Summary of project development and implementation



Time	Project phase
2017	First mission of UK FCDO for Global Future Cities Programme in HCMC
2018	Strategic Development Phase: project identification and TOR development
Jan 2019	MOU between UKFCDO and HCMC PC
Jan-Sep 2019	Bidding and selection of Delivery Partner. Project kick-off in Sep 2019
Dec 2019 – June 2022	Project implementation



Project objective

Overall objective of STS project

- Support HCMC in achieving the Sustainable Development Goals Target 11.2 which is *“to provide access to safe, affordable, accessible and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities and older persons”*.



Desired outcomes

The main outcomes of STS project:

- To develop Technical Standards Framework for STS in HCMC
- To prepare for the development of a city-wide STS system (Back Office System including Central Clearing House System) of public transportation network in Ho Chi Minh City.



Expected impacts



- The STS project is expected to have a long-term impact on public transportation development of HCMC by:
- Improving the quality of services of public transport
 - Increasing the ridership of public transport
 - Ensuring the integration of different modes of public transport such as MRT, BRT, and buses
 - Providing comprehensive data to support decision-making process of government and stakeholders in related-issues.
 - Improving the capacity of city authorities in delivering and managing public transport
 - Overall, transforming the public transport sector in HCMC

Project scope and current status



Task	General description	Current status
Task 1	Review and Assess Fare Policies and Ticket Technologies of Public Transport in HCMC	100%
Task 2	Develop Technical Standards Framework for STS for Public Transport in HCMC	85%
Task 3	Propose Fare Policies for Public Transport System in HCMC	60%
Task 4	Propose Institutional Settings and Financial Model for the Implementation for STS in HCMC	40%
Task 5	Define Detailed Technical Specifications, including Back Office Software and Central Clearing House System for STS in HCMC; Deliver a Proof of Concept for BOS	30%
Task 6	Propose Public Engagement Strategy to Promote STS	20%
Task 7	Develop a Capacity Building Plan to Facilitate Implementation of STS	40%

Challenges and opportunities



Challenges

- STS is a new topic in Vietnam
- Lack of standard and process regarding STS
- Technical capacity and experience of city authorities
- Depending on the requirement of funding agency
- Cash-based transaction

Opportunities

- Working with international partners
- Participation of private sector
- Integration of public transport system

Establishment of STS Technical Working Group

Engaging private sector

Proactively enable the dialogue and discussion

Local knowledge and experience of DP

MOU and implementation without participation

Planning for sustainability

Approval process of Technical Standard Framework

Continuation after the implementation of existing STS project

Financing mechanism for city-wide STS system

Thank you for your attention



Contact

MSc. Le Hoan

Deputy Director of Management Centre of Public Transport (MCPT)

Ho Chi Minh City

lehoan1910s@gmail.com