Required Study for Implementation of Public Transportation

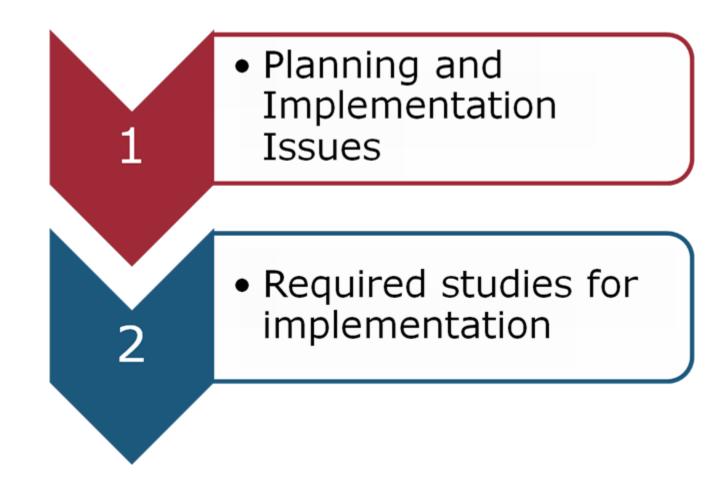
1st ATRANS Symposium on Transport Crisis in Thailand

Panel Discussion on

"SEED AND NEED FOR URBAN MOBILITY STUDY "IN ASIAN REGION"

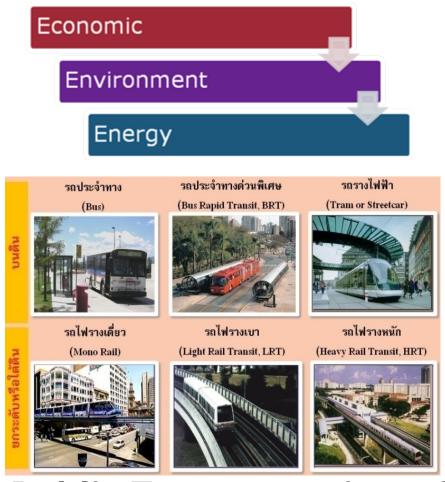
> Dr.Rungsun Udomsri Department of Civil Engineering Chiang Mai University



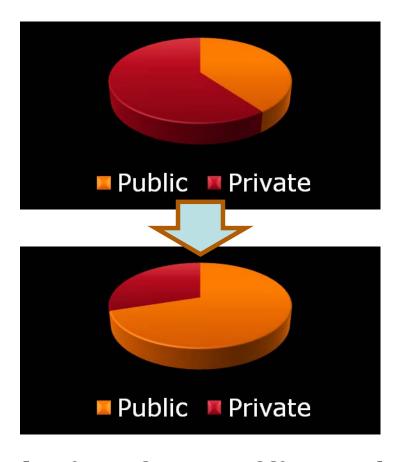


Discussion outline

Sustainable Development



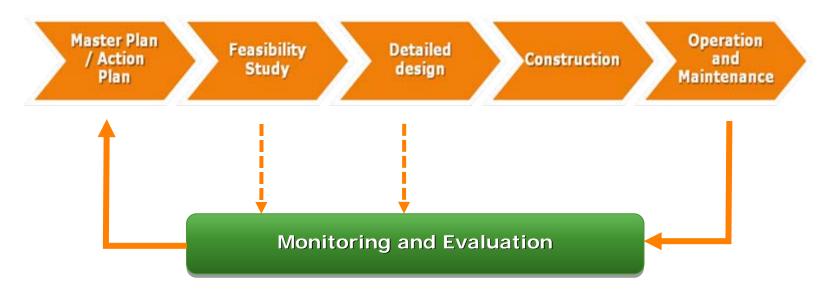
Increase Public Transport Share



Public Transportation: Solution for traffic and transportation improvement

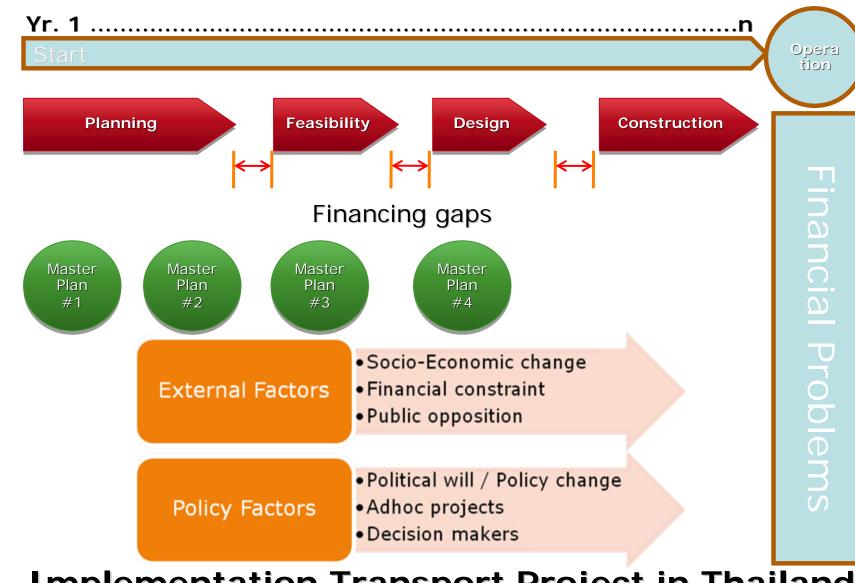


Required study for implementation

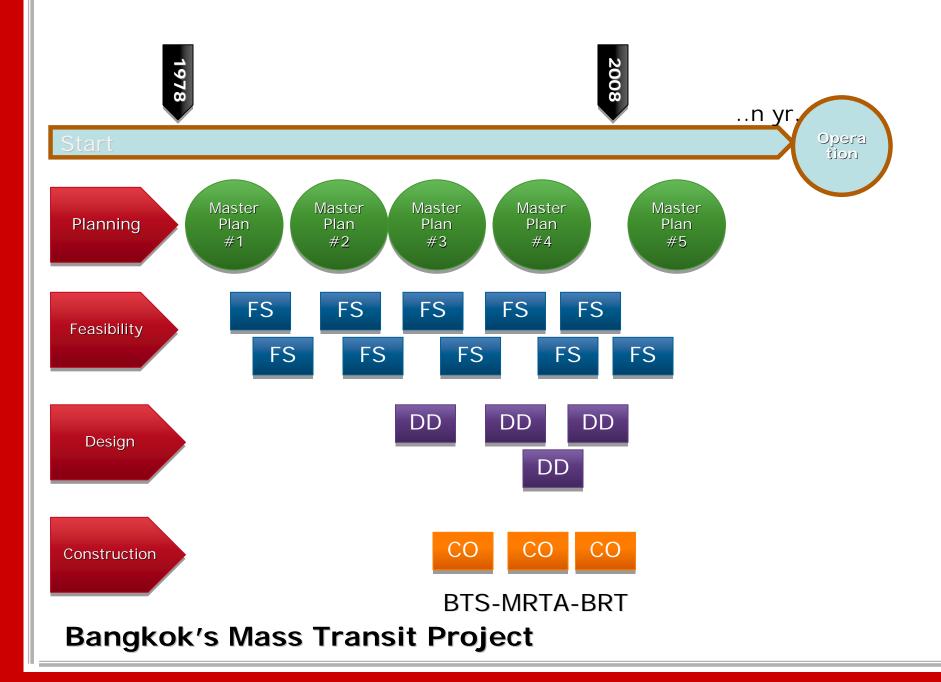


Planning and Implementation Transport Project

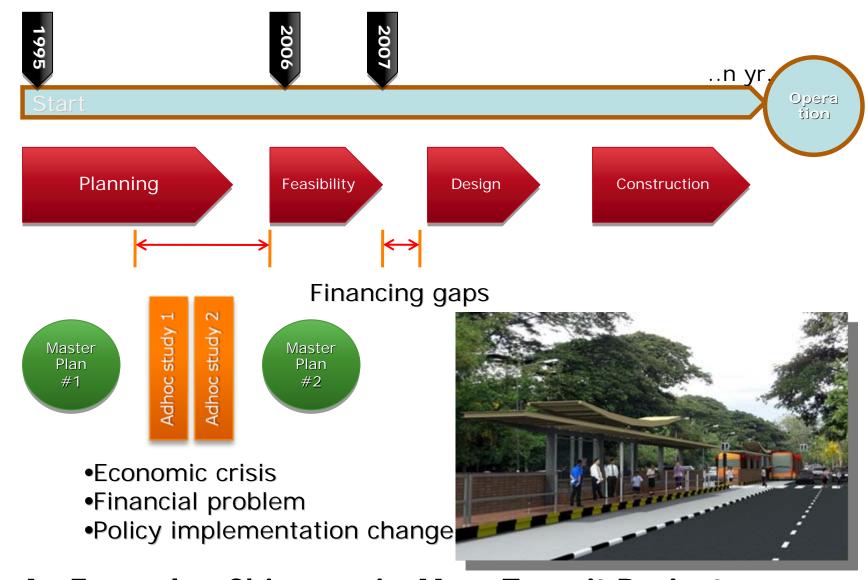




Implementation Transport Project in Thailand



ATRANS



An Example : Chiangmai's Mass Transit Project



(Reduce) Financing gap



(Enhance) Consistency of Policy and Implementation Plan



(Require) Comprehensive studies for Implementation



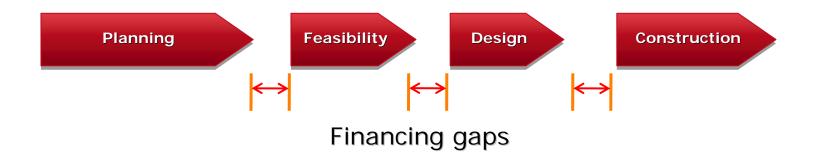
(Integrate) Planning and Implementing Coordination

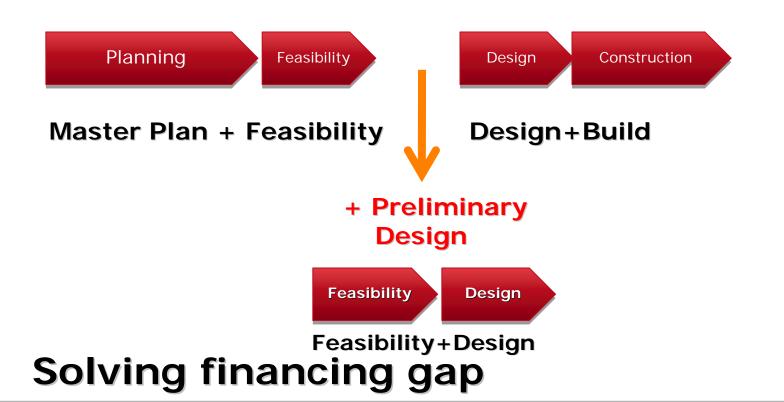


(Support) Public participation

Key issues for transport project implementation









Framework of Required Study

Master Plan Content

Vision

Policy strategies

Alternatives evaluation

Project package

Principal plan

Action plan

Required Studies

Engineering

Environment

Economic Justification

Financial resource

Implementing Organization





Public Private Participation

Required study for Master Plan



Feasibility Content

Project formulation

Alternatives evaluation

Project Feasibility

Implementation plan

Required Analysis

Engineering Design

Impacts Analysis

Economic Justification

Financial capacity

Implementing bodies





Public Private Participation

Required study for feasibility



Detailed Design Content

Engineering Design

Cost estimation

Construction Planning

Tendering process

Implementation body

Financial

Required Documents

Engineering Drawings & specifications

Tender Documents

Financial & Cash flow

Required study for detailed design



Construction and Installation Content

Bidding and Tendering

Infrastructure construction and supervision

Equipment installation and commissioning

Training and documentation

Pre-test operation and adjustment

Open service to public

Required study for Construction



Operational Studies

Organization

Operational strategies

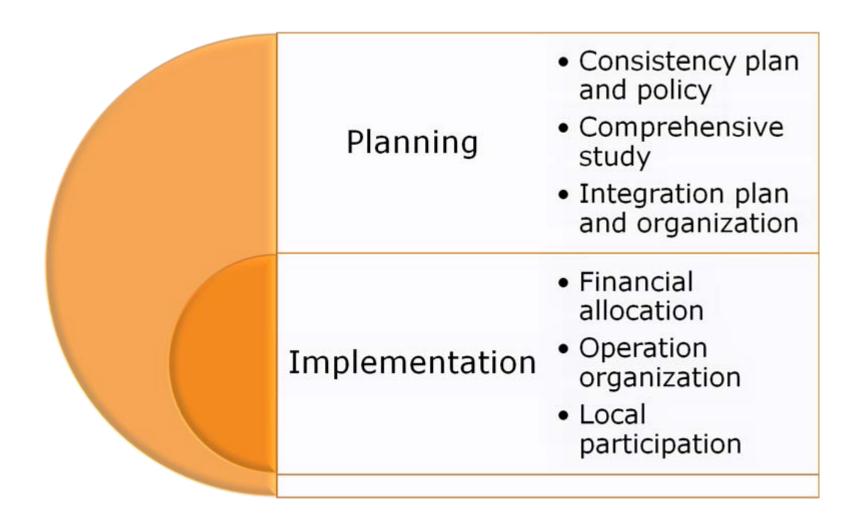
Management & Control

Financial support

Local participation

Required study for Operational





Concluding Remarks

