



**Asia-Pacific
Economic Cooperation**

**Advancing
Free Trade for Asia-Pacific
Prosperity**

ITS in Thailand

23-24th April 2018

Presented by
Ministry of Transport
Office of Transport and Traffic Policy and Planning

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- I. Thailand's Transport Systems Development 2017-2036
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I. Thailand's Transport Systems Development 2017-2036



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- **Green & Safe transport**
- **Use of clean/alternative fuels**



Green & Safe Transport

- **Access** to transport services with **affordability & equity**
- **Universal design & service design**



Inclusivity

Innovation & Management

- **Improved transport & logistics efficiency**
- **Reduced transport & logistics costs**
- **Development of domestic & international transport connectivity**



Transport Efficiency

II. Current Thailand ITS Situation



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Adaptive Traffic Control System



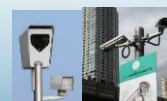
Public Bus Tracking System
Common Ticket for Public
Transport



GPS Tracking Control Center
Weigh-in-Motion
Truck Data Center
Truck Terminal Management
Gate Control System



Enforcement
(ATE)



CCTV and Red Light for Enforcement
License Plate Detection for Enforcement



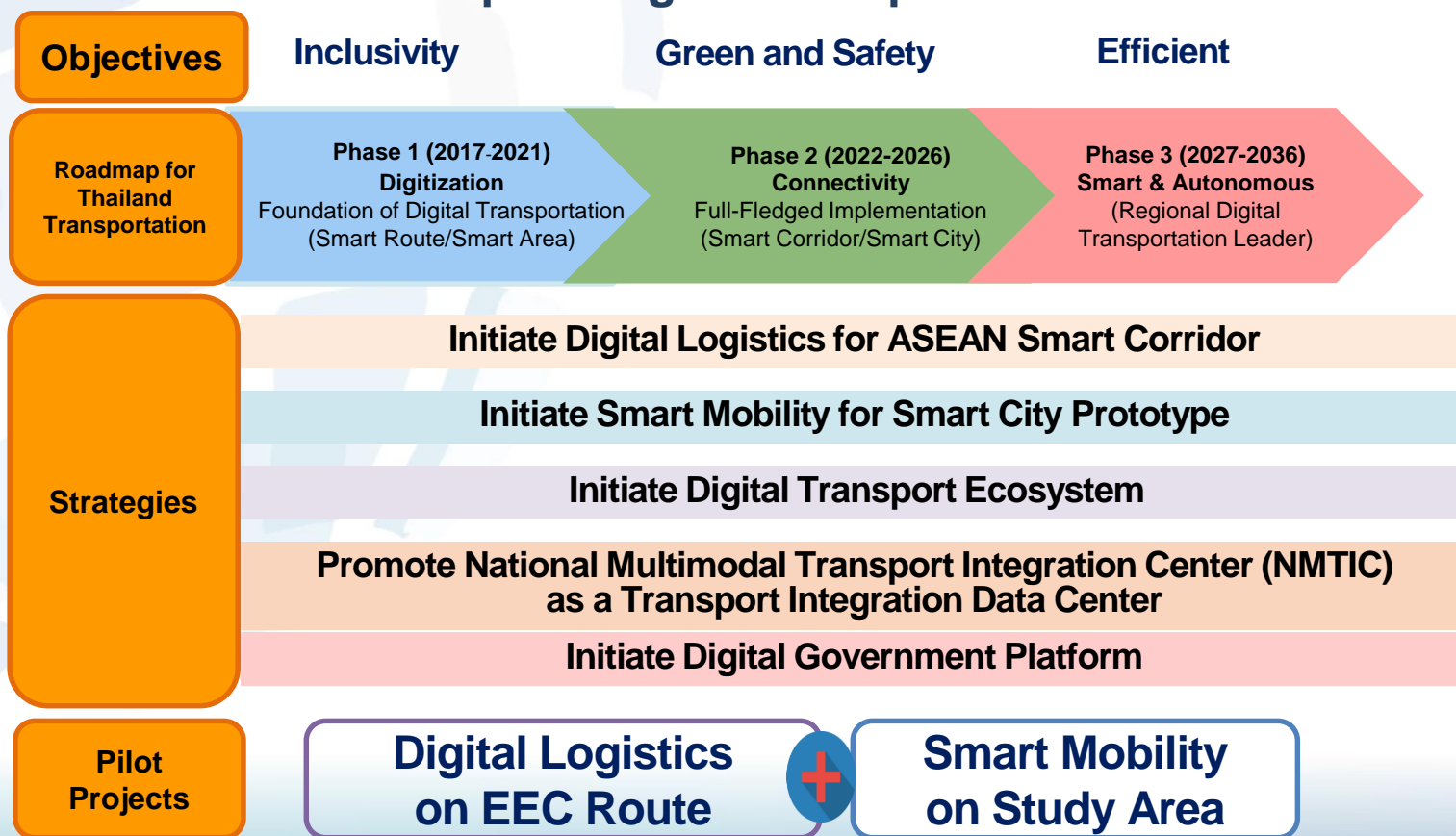
Easy Pass and M Pass
for Express Way

III. Thailand ITS Master Plan



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Concept of Digital Transport 2021



IV. Thailand ITS Master Plan



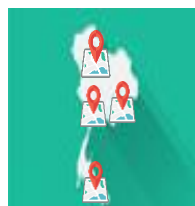
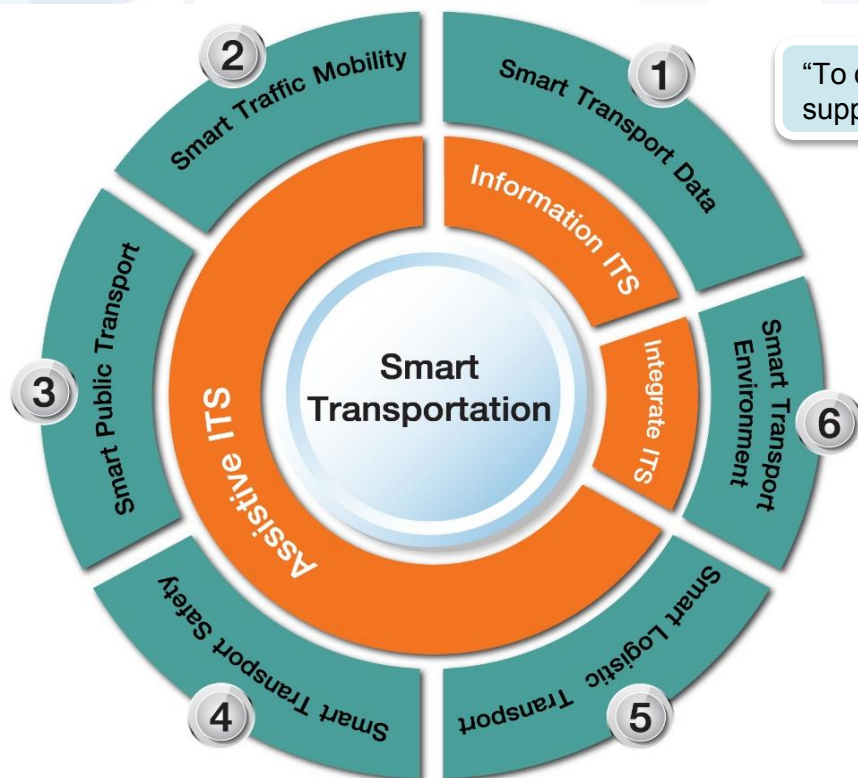
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VISION

Thailand Smart Transportation by Driving Information and ITS Management

MISSION

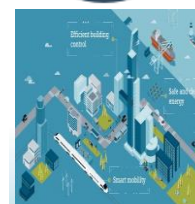
“To develop traffic information system and ITS management for transport strategy support aiming Thailand Smart Transport”



Phase 1 (3 years) :
Thailand Informative Transportation
Internal country trip is informative and active which is information for trip planning.



Phase 2 (5 years) :
Thailand Integrated Transportation
Transport in Bangkok and metropolis area are integrated with ITS such as toll collection, traffic management and interactive connection between travelers, service providers and infrastructure.



Phase 3 (10 years) :
Thailand Smart Transportation
Integrated and interactive system. Transport in major Country of Thailand turns to autonomous era.

IV. Thailand ITS Master Plan



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Guideline for Master Plan Performance

		Short Term (3 Year)	Middle Term (5 Year)	Long Term 10 Year
Strategy	1	Smart Data Collection		
			Smart Data Integration	
	2	Smart Command Center		
		Smart Transport Information		
	3	One Stop Service Journey Planning		
			Promote Mobility as a Service	
	4	Smart Enforcement		
			Smart Vehicle	
	5	Smart Gateway		
			Smart Freight Information	
	6	ITS Committee establish		
			ITS Integrate Center establish	

V. Bangkok Metropolis Area ITS Master Plan



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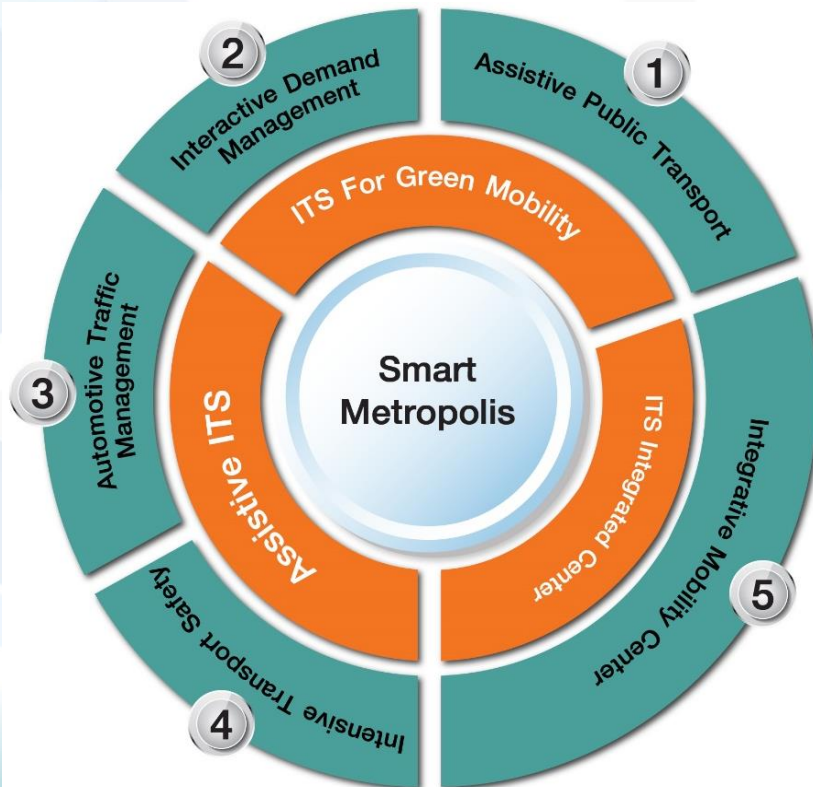
Concept of Bangkok Metropolis Area ITS Master Plan

VISION

Intelligent traffic and transport to enhance the metropolis to smart metropolis

MISSION

“To develop ITS for managing travel demand to be balance”



Phase 1 (3 years) : Informative Metropolis

- Gathering information system which covers all the area and publishing information for Trip Planning
- Updating law and regulation for autonomous vehicles

Phase 2 (5 years) : Integrate Metropolis

- Have mobility as a service from public sector
- Pilot project for autonomous vehicles around Government Center Commemorating 80th Birthday Anniversary and Phaholyothin Transportation Center

Phase 3 (10 Years) : Smart Metropolis

- Have TDM system such as Road pricing and parking fee
- Have fully automatic public bus service provided
- Be readiness for autonomous vehicle around Bangkok Metropolitan

V. Bangkok Metropolis Area ITS Master Plan



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Guideline for Bangkok Metropolis Area ITS Master Plan Performance

		Short Term (3 Year)	Middle Term (5 Year)	Long Term 10 Year
Strategy	1	Informative Public Transport		
		Smart Public Transport Service		
	2	Smart Demand Reduction		
			Mobility as a Service Enhancement	
	3	Integrated and Automated Traffic Control		
		Informative Journey Planning		
	4	Smart Enforcement		
			Smart Vehicle	
	5	Data Integrated Center		
			Operation Integrated Center	

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