

# *Success with intelligent transport systems measures and improving energy efficiency*

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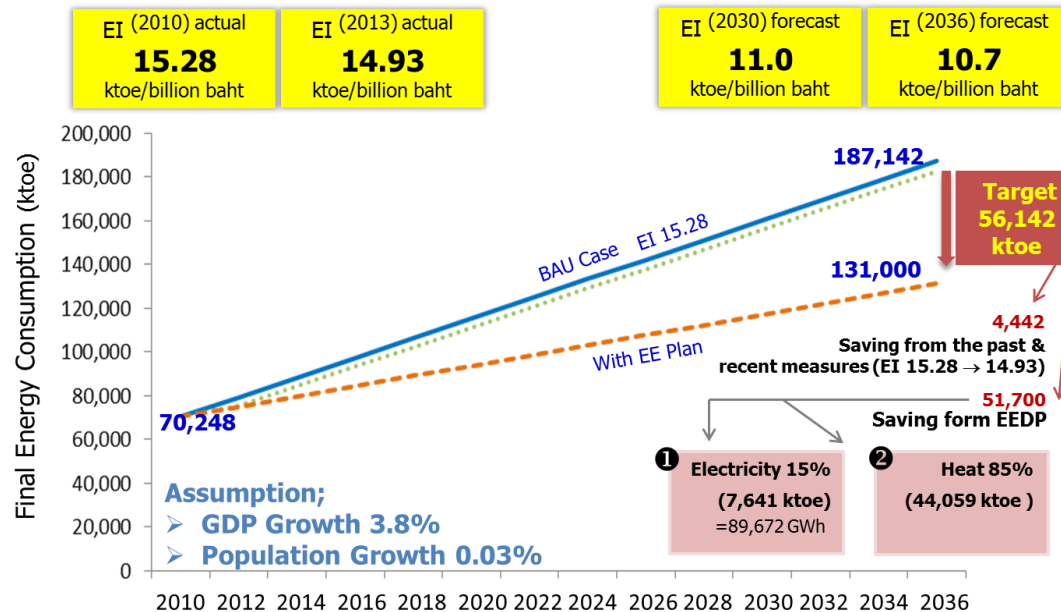
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TECHNICAL EXPERT MEETING ON MITIGATION  
Shifting to more efficient public transport and increasing  
energy efficiency of vehicles

23 May 2016  
Bonn, Germany

# Energy Efficiency Plan (EEP)

**A Target to reduce Energy Intensity by 30% in 2036, compared with that in 2010**



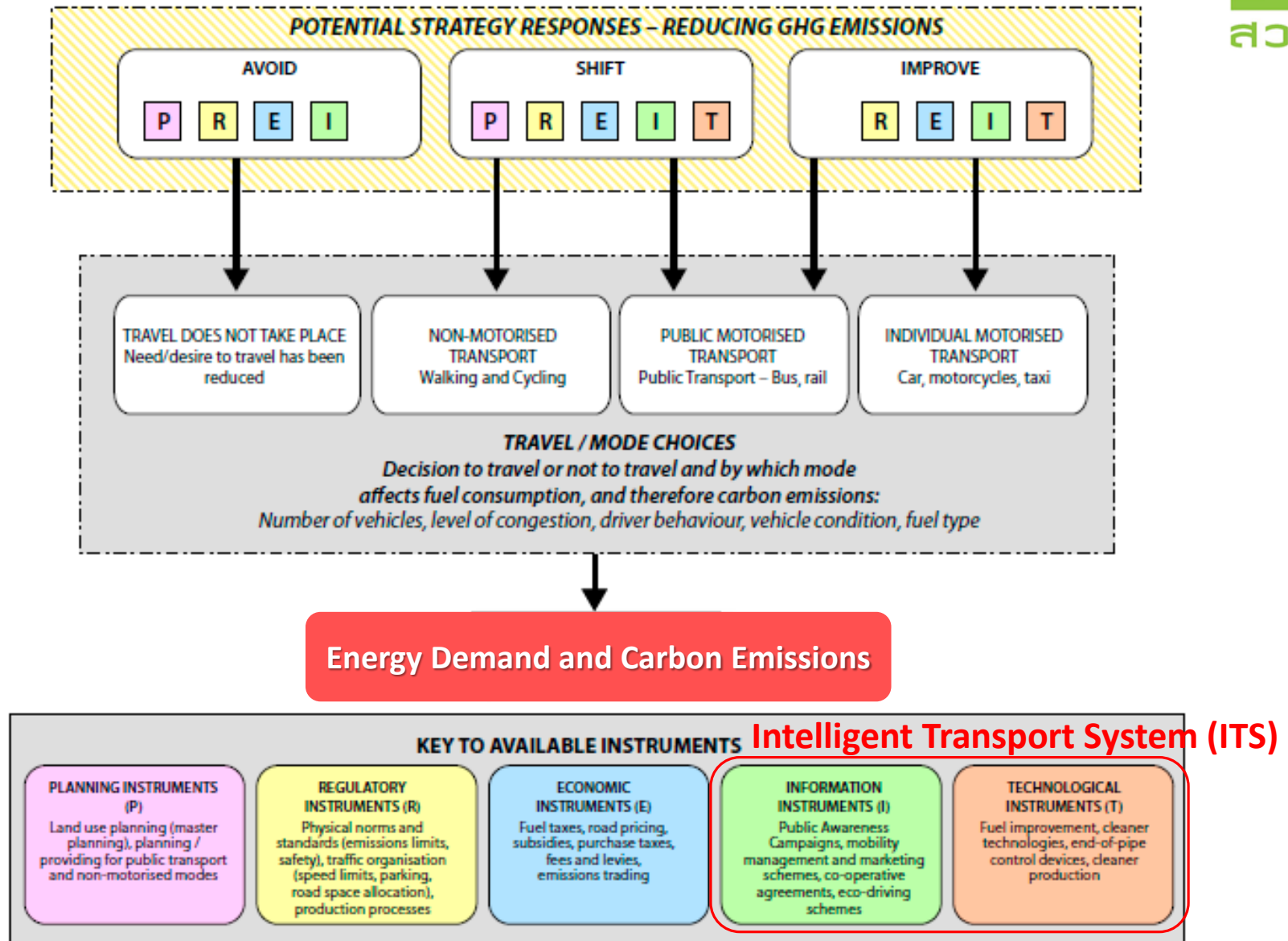
## Economic Sector

1. Industry
2. Commercial
3. Residential
4. Transportation

Expected Energy Saving by Economic sector		Total	
		(ktoe)	(%)
EE1	Enforcement of energy conservation standard in designated factory/building	5,156	10%
EE2	Building Energy Code (BEC) for the new buildings	1,166	2%
EE3	Energy Labeling (HEPs & MEPs)	4,149	8%
EE4	Energy Efficiency Resource Standard (EERS) for large energy producers and distributors	9,524	18%
EE5	Financial Incentives and support for energy performance achievement	991	2%
EE6	Promoting greater use of LED	500	1%
EE7	Energy saving measures in transport sector	30,213	58%
Total (ktoe)		51,700	100%

Source: Energy Policy and Planning Office (2015)

# Sustainable transport instruments



# What are Intelligent Transportation Systems (ITS) ?

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*The application of advanced sensor, computer, electronics, and communications **technologies** and management **strategies** - in an **integrated** manner - providing traveler **information** - to increase the safety and efficiency of the surface transportation system.*

*US DOT Instructional Manual*



# Areas of ITS application in Thailand

- **Traffic Management:** maximizing the efficiency of the existing infrastructure



- **Traveler Information:** provide real-time multi-modal travel information for private & transits users, commercial traffic & tourists



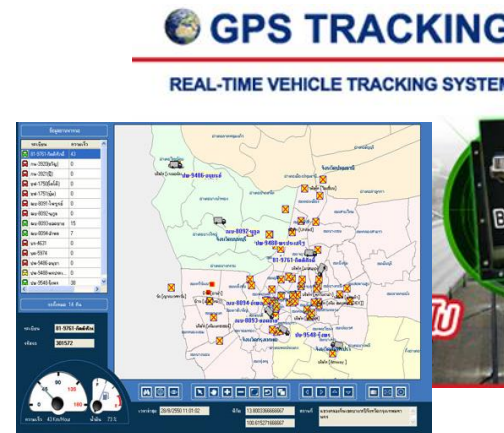
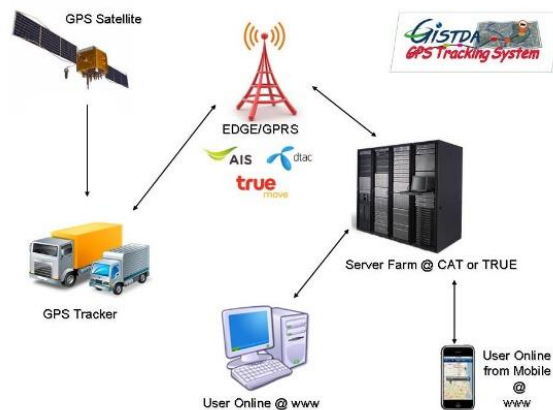


# Areas of ITS application in Thailand

- **Public Transport/Transit Management:** provide more reliable, flexible services and reduce travel times



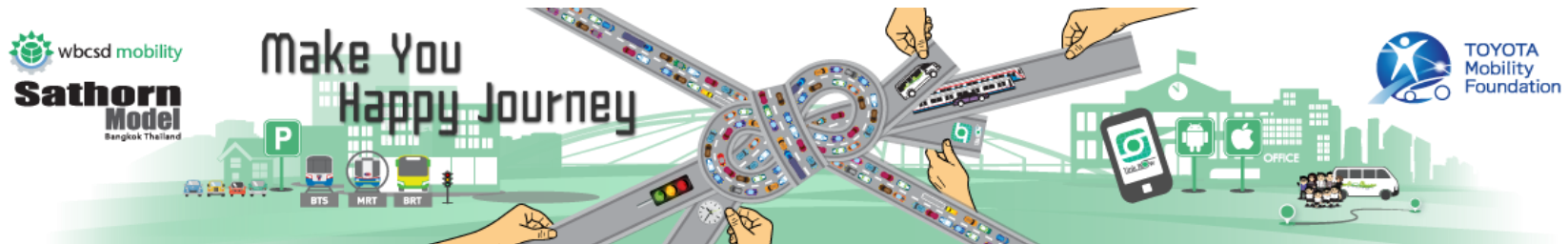
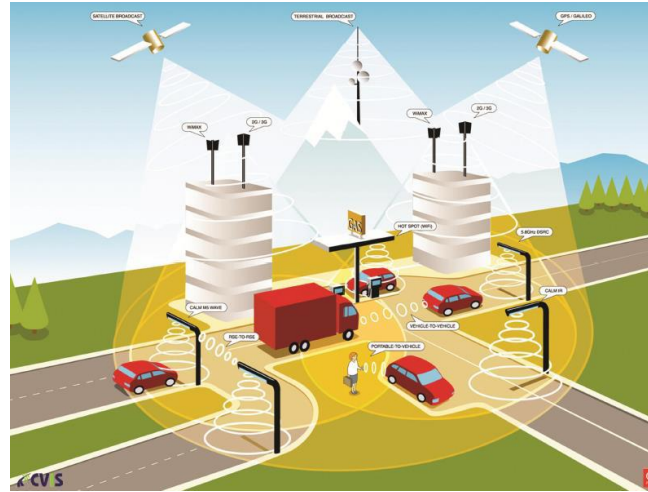
- **Commercial vehicle operations:** improve efficiency of operations



# Further Applications of ITS in Thailand

## Next Generation ITS

- Computer
- Telecommunication
- Data management
- Automotive
- Mapping, positioning



## Areas of Application

- Park and Ride
- Shuttle Bus
- Link Flow
- Traffic Management

## What we can see from ITS?

- Safety
- Efficiency (Reduce Traffic Congestion)
- Convenience/Comfort
- Environment
- Productivity

<http://www.sathornmodel.com/home>

## Reducing GHG Emissions from Transport by Improving Public Transport Systems through Capacity Building and Use of Technology: Capacity Building in Thailand

15 – 19 February 2016  
in Bangkok and Chiang Mai, Thailand

- The first south-south collaboration between National Designated Entities (NDEs) with supported by Climate Technology Centre and Network (CTCN)
- To provide the Bhutan's participants with an overview of the Thai experiences, both in Bangkok and Chiang Mai, with intelligent transport systems and public transport systems by Thai intelligent transport system (ITS) experts

