# Mobility in Urban India & Bus Rapid Transit

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KNOWLEDGE PLATFORM FOR THE WORLDWIDE BUS & COACH SECTOR













#### ROAD SAFETY



140,000 deaths every year in India due to road traffic crashes

# AIR POLLUTION

# 627,426 premature deaths every year in India due to air pollution

http://www.topnews.in/law/files/delhi-pollution.ipg

#### PHYSICAL INACTIVITY



# 436,122 premature deaths every year in India

Source: http://www5.imperial.ac.uk/medicine/metabolic\_risks/bmi/



# The "Avoid-Shift-Improve" Strategy



development, etc.



# Delhi BRT



2009, Ahmedabad - India

JANMAF

m

# Janmarg – Ahmedabad



#### 99 kms @ 125,000 pax / day



# iBus: BRT in Indore

Initiated	•	2007
Length of route	•	11.46 km
Road section	•	31.6 / 60 metres
System type	•	Closed Median stations
Stations	•	21
# of buses	•	18
Type of bus	•	12 m long with AC 900 mm Semi Low Floor 245 hp, BS III engine
Completion	•	31 <sup>st</sup> March 2013
Operations	•	10 <sup>th</sup> May 2013
Ridership	•	40,000 pax/day







## **Features of iBus**



Stations with Prepayment and Level Boarding

Segregated Median Bus-ways

## **MyBus - Bhopal BRTS**





#### **MyBus**





# Rajkot BRTS





# Surat BRTS





#### 28 kms @ 13,000 pax / day





#### BRT and bus corridors 1968-2014



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# Recommendation International Energy Agency for 2 Degree Scenario

- 1. 23% fewer vehicle kilometers of travel in 2050
- 2. Roadway additions decrease 10 million lane-km
- Global passenger vehicle parking decrease to 27 000 km2
- 4. Global rail additions 200 000 track-km, including 90 000 km of HSR
- 5. BRT networks grow to more than 25 000 trunk-km by 2050, a ten-fold increase
- 6. Cumulative global land transport infrastructure spending decreases by nearly USD 20 trillion

 $https://www.iea.org/publications/freepublications/publication/TransportInfrastructureInsights\_FINAL\_WEB.pdf$ 

# **BRTS for the Future**

1. 22,000 buses in BRT Systems (2015)

2. 220,000 required for BRT networks by 2050





# Thank You abhatt@embarqindia.org

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