



# Integrated Sustainable Urban Transport Systems for Smart Cities in India

## Background

On 8th of December 2017 the Implementation Agreement for the technical cooperation project on “Integrated Sustainable Urban Transport Systems for Smart Cities” was signed in the presence of the Indian Minister of Housing and Urban Affairs and the German Ambassador to India. First activities in the three partner cities Bhubaneswar, Coimbatore and Kochi have commenced.

On 6th of March 2018 the first coordination meeting of the TUMI India Chapter has been organized in Delhi for developing a strategy for collaboration of partners under the TUMI umbrella.

The Integrated Sustainable Urban Transport Systems for Smart Cities Project is building on the success of the Jawaharlal Nehru National Urban Renewal Mission of the Indian Government and complements the newly launched Smart City Mission.

## Impacts of the Project

- Resilient and attractive cities through increased mobility option
- Less pollution, less congestion and less noise
- Strong institutions which organise mobility in a modern and smart way
- Social and physical accessibility throughout the city; increased participation of citizens

Projectname	Integrated Sustainable Urban Transport Systems for Smart Cities in India
Commissioned by	Federal Ministry for Economic Cooperation and Development (BMZ)
Implemented by	GIZ
National Partners	Ministry of Housing and Urban Affairs
Duration	2017 to 2020
Funding	Approx. 4 Mio Euro

Bangalore Metro, Manfred Breithaupt



## Project Goals

- Creating model cities for integrated sustainable urban transport
- Introduce latest technology in the transport sector to make cities smarter
- Strengthen and unify transport institutions and authorities for entire metropolitan areas



## Strategy

63% of Indias GDP is generated in cities. Until now, their full potential has not been tapped. Clogged streets and inefficient transport systems hinder many cities in their economic progress. To solve this, the Government of India engaged in the Jawaharlal Nehru National Urban Renewal Mission (JNNURM) between 2005 and 2014. The Mission was a massive city-modernisation scheme launched with an envisaged total investment of over \$20 billion. Infrastructure such as energy and water supply was installed but also bus fleets renewed, making a step towards modern and attractive public transport systems.

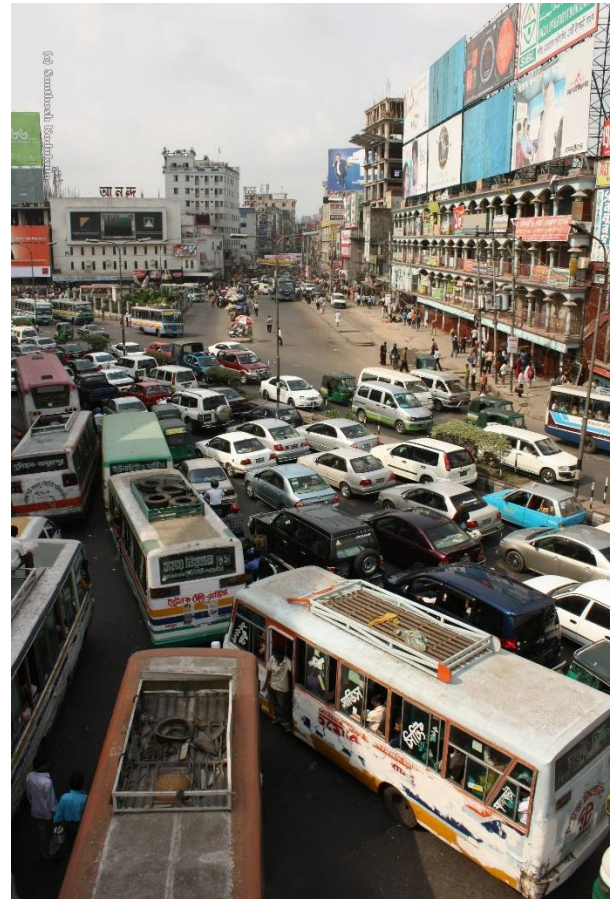
Recently, the Government of India launched the Smart Cities Mission. It is an urban renewal and retrofitting program with the intention to develop 100 cities across the country making them citizen friendly and sustainable.

### Smart mobility for healthy cities!

The Integrated Sustainable Urban Transport Systems for Smart Cities Project contributes towards this aim by making transport smarter and thus improving the sustainability of the Indian cities. All three partner-cities are part of the Smart City Mission. The Projects aims to strengthen and unify transport institutions and authorities for entire metropolitan areas to enable a better service. Different modes such as buses, metros and ferries are integrated into one system, comparable to the German Verkehrsverbund.

Transparent planning and decision making processes will enable citizen’s participation and increase the quality of delivered results. This includes an adaption of spatial plans which are not yet made for such rapid growth- leading to uncontrolled sprawl, long travel distances and times, congestion and the exclusion of disadvantaged communities.

Smart transport solutions include modern bike sharing, introduction of intelligent transportation management systems and making transport data available for programmers as did Kochi do.



Buses in India, Santhosh Kodukula

Eventually, the potential of streets to provide connectivity and public space functions should be re-established and the crowding out of people by cars need to be stopped.

In Kochi, the efforts of GIZ is in line with the other TUMI Partners KfW, WRI, ITDP and ICLEI. Also in Coimbatore, not only GIZ is working to transform urban mobility but also KfW and ITDP. In Bhubaneshwar again, GIZ, KfW and WRI all contribute to integrated sustainable urban transport systems.

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