Bus Rapid Transit Systems

The India Experience

UNESCAP - UNHABITAT

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Structure of the presentation

- What is BRTS?
- BRTS
 - Worldwide
 - India
- India initiatives
 - NUTP
 - JnNURM
- India issues
- Lessons for future

What is BRTS?

What is BRTS?

A flexible, rubber-tired form of rapid transit that combines stations, vehicles, services, running ways, and ITS elements into a fully integrated system with a strong image and identity

(Herbert Levinson et. al., "Bus Rapid Transit. Volume 1: Case Studies in Bus Rapid Transit," - TCRP Report 90, TRB 2003)

An integrated system of features, services, and amenities that improves the speed, reliability, and identity of bus transit

(Bus Rapid Transit Practitioner's Guide by Levinson et al., 2007 - TCRP Report 118)

What is BRTS?

A flexible, high performance rapid transit mode that combines a variety of physical, operating and system elements into a permanently integrated system with a quality image and unique identity

(Levinson et al. 2003)

A high-quality bus-based transit system that delivers fast, comfortable, and cost-effective urban mobility through the provision of segregated right-of-way infrastructure, rapid and frequent operation, and excellence in marketing and customer service

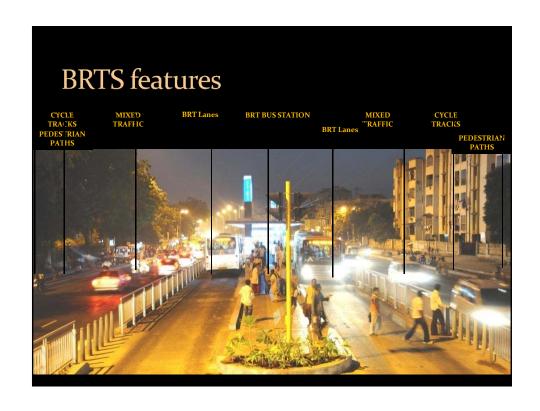
(Bus Rapid Transit Planning Guide by Wright and Hook, 2007)

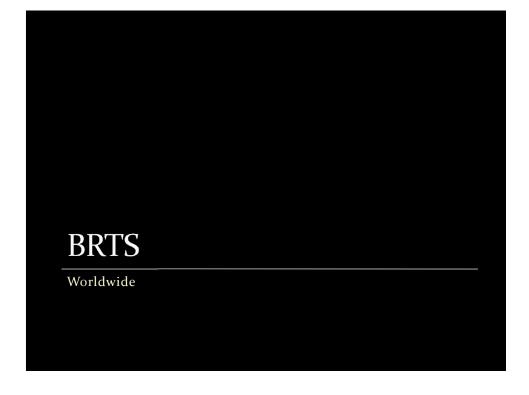
BRTS features (must have!)

- 1. Running ways
 - Bus ways or segregated bus lanes
- 2. Operations plan
 - Flexible routing options
- 3. Off board ticketing
 - Smart cards
 - Turnstiles, flap gates
- 4. Modern bus stations
 - Enclosed, safe, comfortable

BRTS features

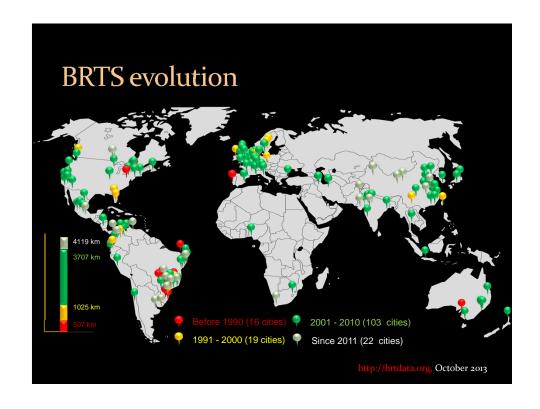
- 5. Brand and identity
 - Corporate identity, logo, symbol
 - Marketing
- 6. ITS applications
 - Passenger information
 - Vehicle tracking
- 7. Vehicles
 - Modern, clean buses

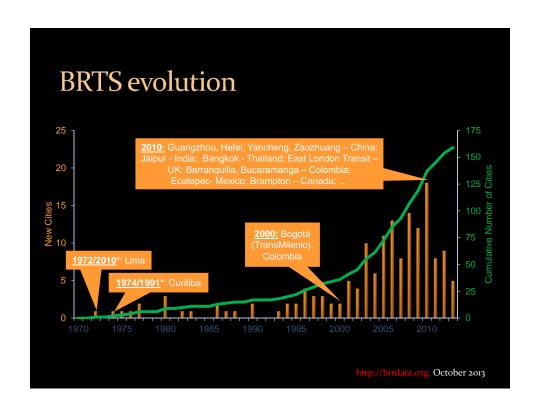


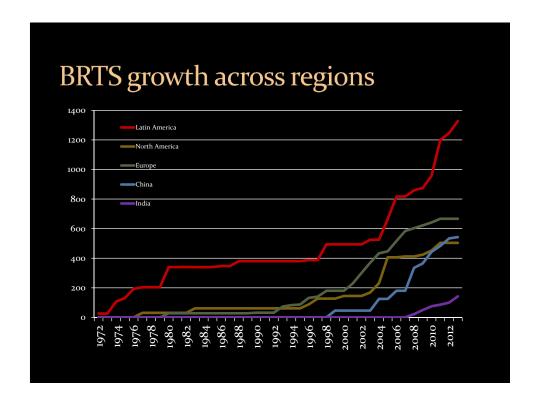


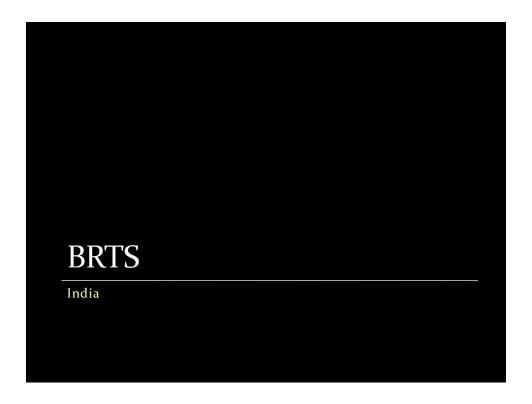
BRTS status today Passengers per Africa 1.92 238,000 62 3 1.53 Asia 30 19.23 6,275,622 24.5 1037 25.69 Europe 688 27.56 1,656,966 6.46 17.04 43 Latin 16,326,783 63.66 53 33.97 1347 33.37 America North 12.82 819,685 20 3.19 576 14.27 America Oceania 4.48 327,074 1.27 326 8.07 7 World 25,644,130 156 100 100 4036 100

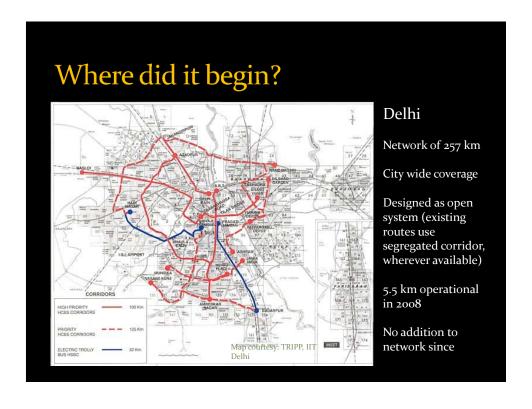
October 2013











Where did it begun?

- In 2004, the Gujarat government initiated a feasibility study for BRTS in Ahmedabad
- In 2005, CEPT University's feasibility study

预览已结束,完整报告链接和二维码如下:

https://www.yunbaogao.cn/report/index/report?reportId=5_5337

