

Towards Car-lite Multi-modal Urban Mobility

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Singapore: A City-State's Challenge









Image Credit: Alantankenghoe (Flickr, CC)

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Singapore, today

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Develop reliable public transport as the backbone

CONCEPT PLAN STRUCTURE (SCP)

1972

Ring Plan 1971

High-density housing towns around central water catchment areas connected by rapid transit network

Public Transport as the Choice Mode

2 1

21 Mar /e of Public Holidays from 2 No

Crchard Boulevard

NOUS7

Marina South Pier 5 mins

hour earlier on Sunday

hard Turn

Stop 3 8 4 8

水煮鱼片 Szechuan Style Fish Fillets in Boiled Chilli Sauce

105-

WWW.18

NS22 Orchard

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Image Credit: Dickson Phua (Flickr, CC)

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2 mins

Reduce reliance on private transport

Car usage discouraged through road pricing

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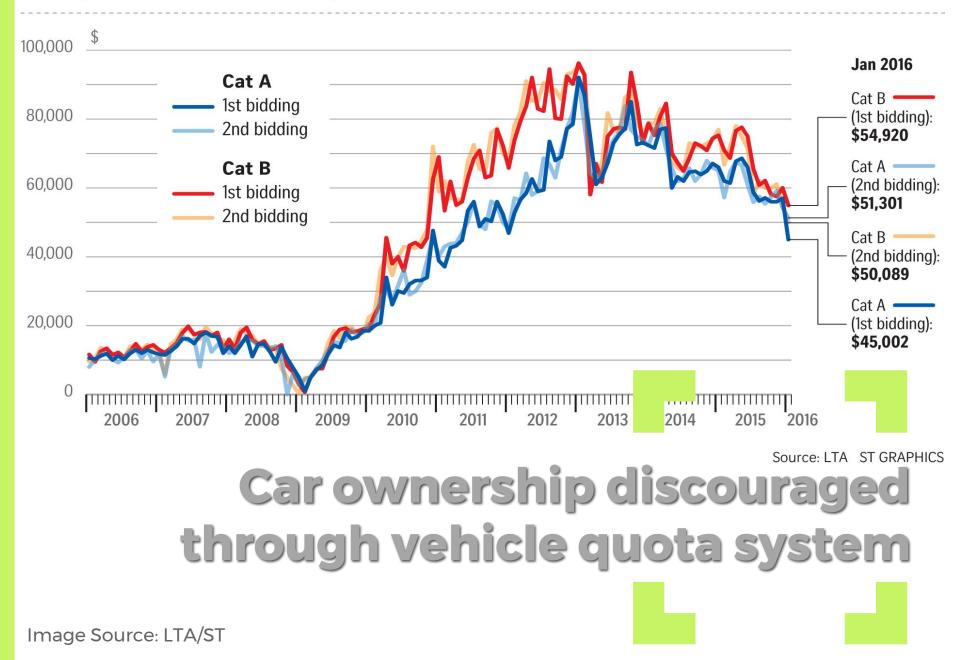
Image Credit: Carlos Fellp Pardo (Flickr, CC)

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COE premiums over the years



Minimise travel demand through good planning

Good Planning Matters High-density, mixed-use, walkable

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At grade, underground, elevated

But, more challenges ahead...

Growing Population & Economy Commuter Expectations & Norms

More Acute Space Constraints

Total percentage of land take by roads in Singapore

Image Credit: LTA

Singapore households own at least 1 car

600

2 in 5



Car-lite & Multi-modal

Singapore's urban mobility vision by 2030



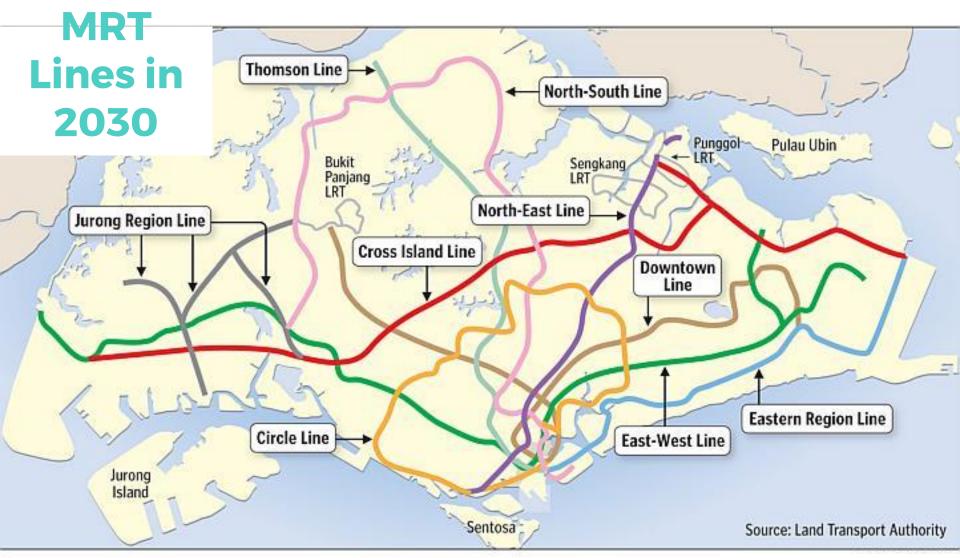


Public transportPrivate transport

Opportunities ahead...

Major public transport improvements

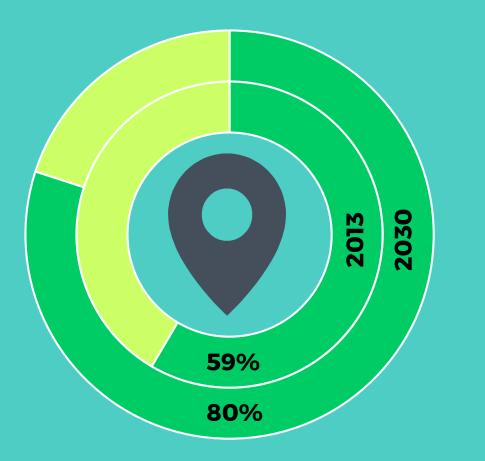




Graphic Credit: LTA/ ST

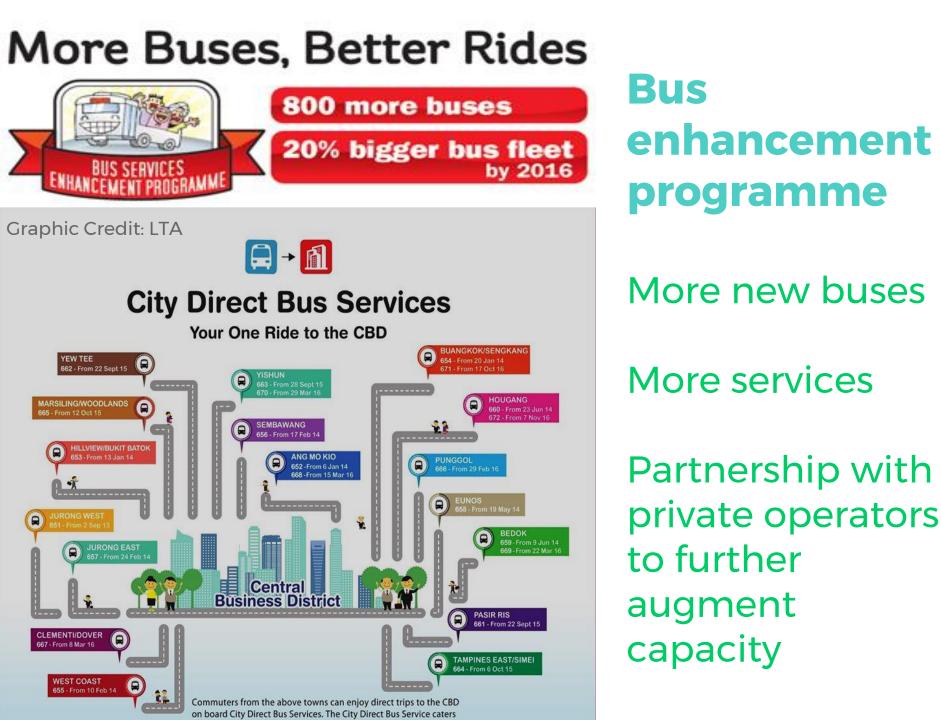
2013 178km 2030 **360km**

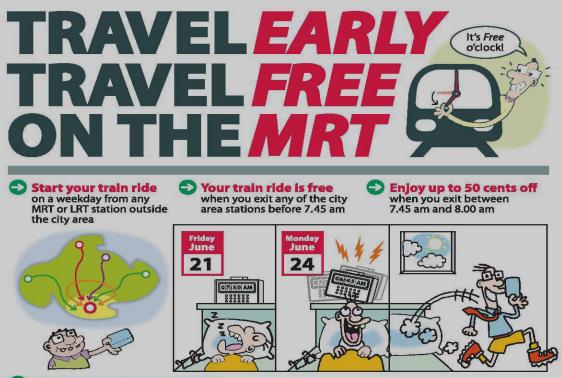
360 km of rail network by 2030



Within 10-minutesMore than 10-minutes

8in10 homes within **10-min** walk of a train station **by 2030**





The city area MRT stations are Bayfront, Bras Basah, Bugis, Chinatown, City Hall, Clarke Quay, Dhoby Ghaut, Esplanade, Lavender, Marina Bay, Orchard, Outram Park, Promenade, Raffles Place, Somerset, Tanjong Pagar.



A one-year trial to benefit YOU, from 24 June 2013

Free ride for early commuters.



A more comfortable ride for all

Travel demand management

Travel smart programme

Work with both individuals and corporates

Incentivise preferred travel behaviours

For more details, please visit http://www.lta.gov.sg



Improve firstand-last-mile connectivity: inclusive and safe

Walk2Ride

Silver zones School zones

Opportunities ahead...

Major public transport improvements

From asset ownership to shared services



Estimated number of dockless shared bikes in Singapore

Image Credit: Francis Chu

EXAMPLE 1

Number of active UBER riders in Singapore as of May 2017



Image Credit: Helsinki Region Transport



On-demand and AV as part of the future mobility ecosystem

But to be centred around public transport, active mobility and shared modes

Opportunities ahead...

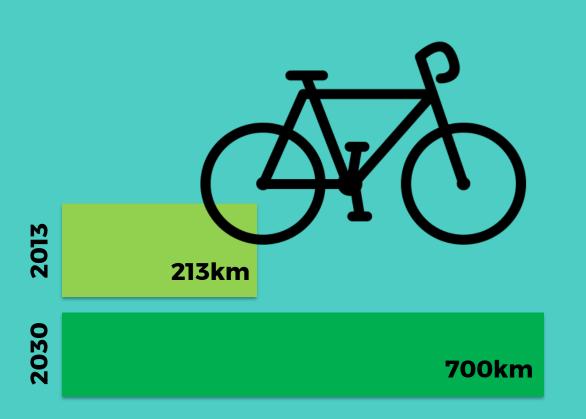
Major public transport improvement

From asset ownership to shared services

Promote Active Mobility



700 km of cycling paths by 2030

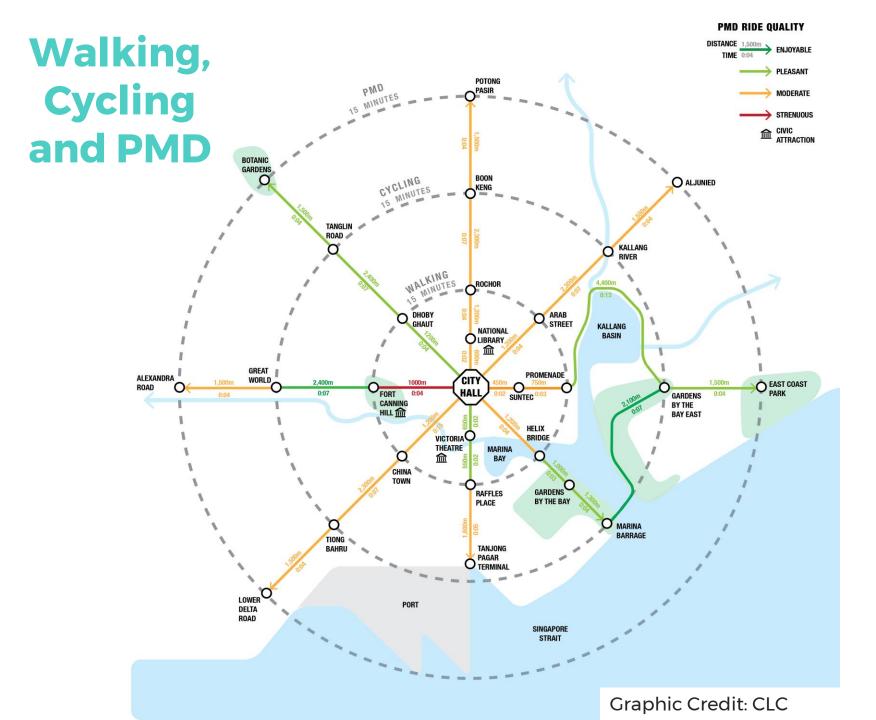


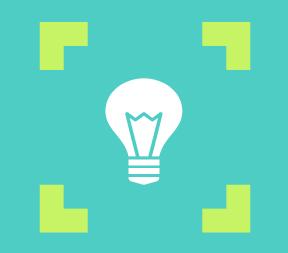
CLC - Collaborative research on Active Mobility Jan Gehl in Ang Mo Kio

Image Credit: CLC

Ang Mo Kio: First Model Cycling Town Phase 1 completed

Image Credit: LTA/ST





Towards a truly car-lite multi-modal urban mobility

Further reduce the appeal of private cars

put a stop to underpriced parking and car usage

Turn Street Design on its Head System-wide

From one street to one block to one city

Image Source: Alhzela (Flickr, CC)



Image Credit: NYC DOT (Flickr CC) / Jennifer Morrow (Flickr CC)

District-level travel demand management strategieis Win-win for all

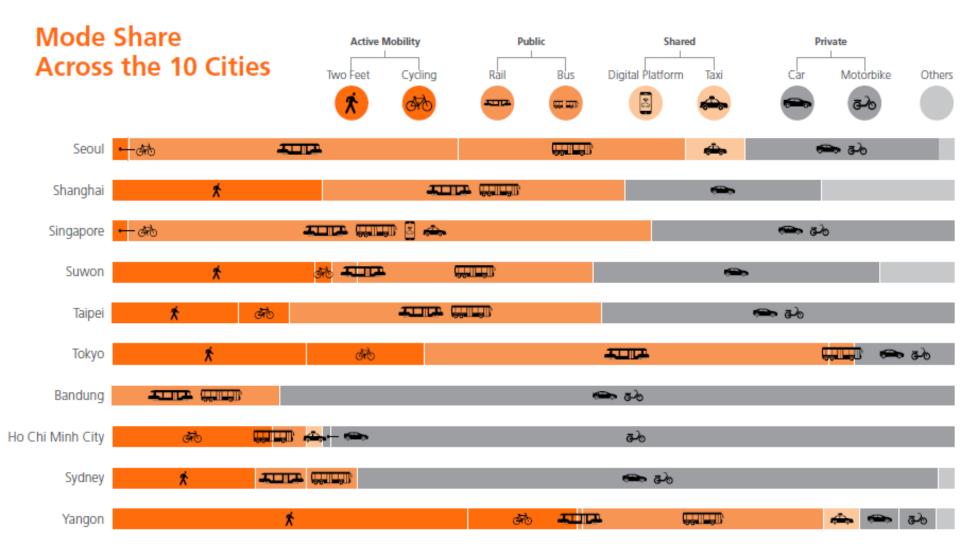
Carluccios

Image Credit: La Citta Vita (Flickr, CC)

Carluccies

Change Mindsets & Make Car-lite Cool Everyone can be the influencer

Image Credit: ST



Graphic Credit: CLC/ULI



Image Credit: Alexander Synaptic (Flickr)



Every Day Can be a Festival Suwon

Image Credit: ICLEI

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"By closing off the roads to cars for a longer period, people would be encouraged to re-organise their daily life around walking, cycling and public transport during the festival period, and adopt a car-free lifestyle even after the festival..."

Mr Konrad Otto-Zimmerman

Former Secretary General of ICLEI & Creative Director at The Urban Idea

Key thrust towards Car-lite Multi-modal mobility future

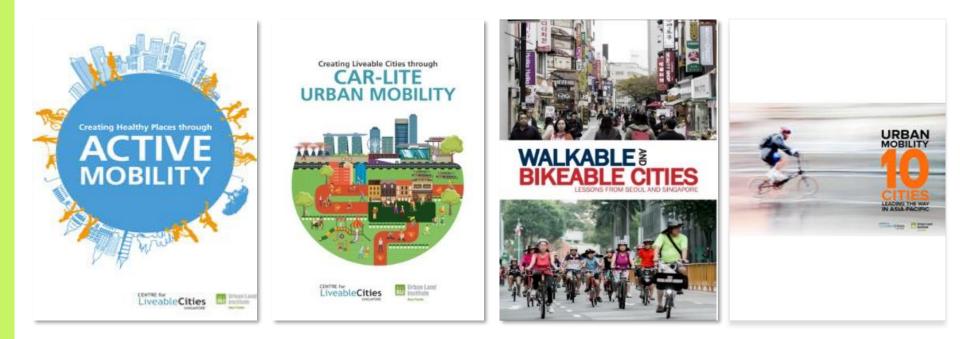


Get the Fundamentals Right People-privatepublic: New Forms of Collaboration

Multi-pronged Approach to Secure Buy-in & Shape Mindsets

CLC Research - Our Mobility Collection

To distill, create and share



Available at http://www.clc.gov.sg/







Thank You! See you at World Cities Summit in Singapore on 8-12 July 2018

WORLD CITIES SUMMIT

www.clc.gov.sg