



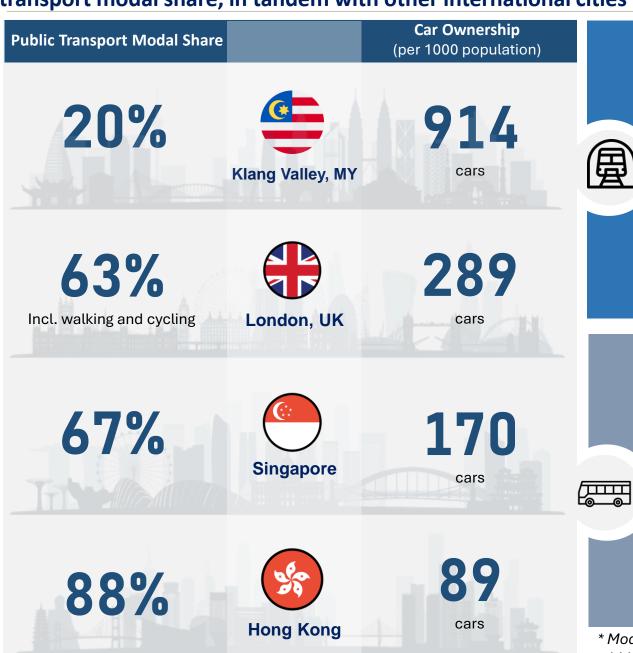
15th Regional Environmentally Sustainable Transport Forum in Asia

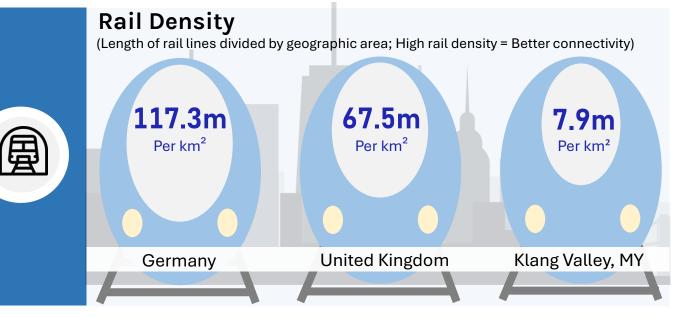
Presented by:

**Idzqandar Abu Bakar** 

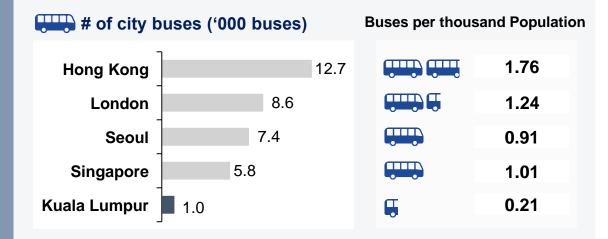
Group Chief Health, Safety, Security, Environment & Sustainable Development Officer

Klang Valley needs to place more prominence in enhancing rail connectivity and bus availability to further improve public transport modal share, in tandem with other international cities





# Global Bus Benchmarking

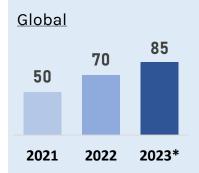


<sup>\*</sup> Modal share: Share of people using public transport within the overall transport usage in an urban area



Most metro operators have achieved 90% ridership against pre-pandemic levels, a milestone contributed by improved service reliability, flexible-centric fare products, digitalisation and strategic partnerships

#### **Rail Ridership Normalcy Index**



Rail ridership returning to prepandemic levels with average normalcy index of **85%** as of April 2023

#### **Benchmark against Operators\***

92% rapidKL  Malaysia As of Aug 2023	UAE As of July 2023
90% Singapore	90% &MTR Hong Kong
As of Jan 2023  90%	As of Apr 2023  Metro Taipei
United Kingdom As of Jan 2023	Taiwan As of Apr 2023

#### **Service Reliability**

Operators including SMRT and Tokyo have efficient operational reliability as reflected in their short headway (train waiting period)

	<b>SMRT</b>	Metro Taipei	rapidKL
Peak	2 - 3	2 - 6	4 - 10
Hour	minutes	minutes	minutes
Non-Peak	5 - 7	4 - 10	5 - 12
Hour	minutes	minutes	minutes

### **Digital Application**

Leveraging on technology to enhance customer experience in terms of fare transactions, maintenance and safety







Development of in-app real-time crowd monitoring for better crowd management at stations



## Strategies implemented by other operators to increase ridership

#### **Fare Product Diversification**



Concessionary fare to low-income passengers (SMRT and TfL)



Fare Capping (TfL and NY)



**Frequent Passenger Program**Metro Taipei



Off-peak discounts (Berlin BVG and Brussels STIB)

Diversification of existing fare products to cater low-income passengers and passengers working in hybrid mode

#### **Strategic Partnerships**



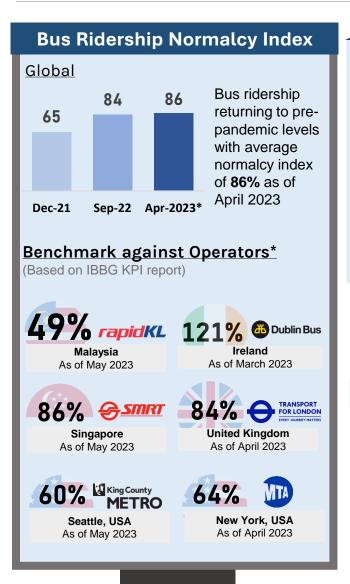
Partnership with universities to include student passes as part of university tuition fees (Vancouver Translink)

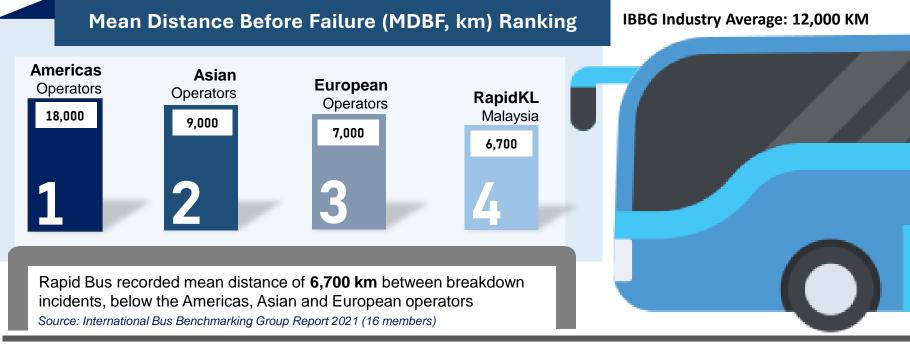


Station Work at the JR Nishi Kokubunji Station for the rent-a-office on the train platform (Jr East)



## Benchmarking against other bus operators that we need to ramp up to meet industry standards and improve service reliability





### Key initiatives implemented by other bus operators

#### **Service Reliability**



Dedicated bus lanes for cities in Moscow, Shenzhen and Singapore



Implementation of Traffic Signal Priority (TSP) - bus priority mechanism implemented in cities in Canada and USA

## Sustainability



The electrification of buses signifies a holistic shift towards more conscious energy consumption patterns

