



17th Asia Pacific Forum on Intelligent Transport Systems

Brisbane Convention & Exhibition Centre
Queensland, Australia | 12-15 April 2021



ITS Indonesia

William P Sabandar – President of ITS Indonesia

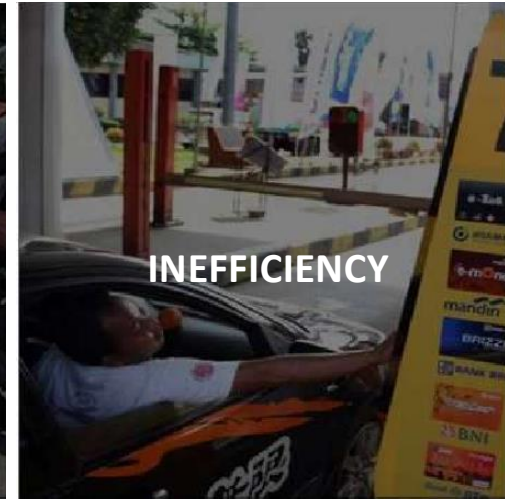
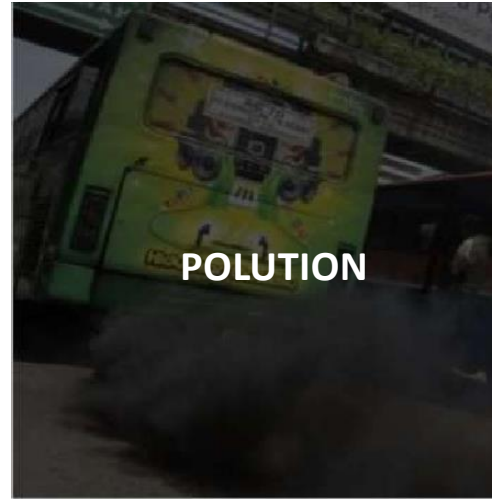
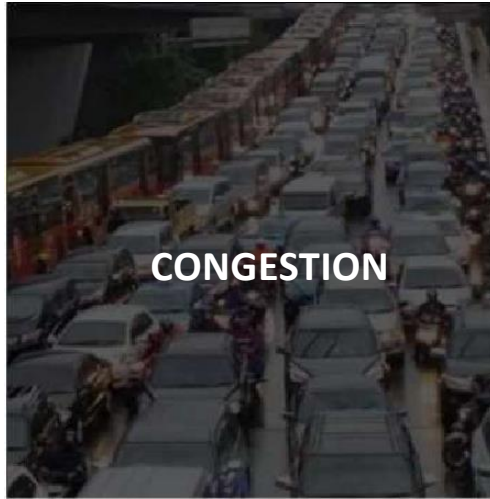


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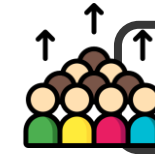
The Challenges in Land-Transportation Landscape



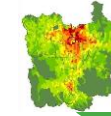


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The Challenges of Greater Jakarta



Population of Greater Jakarta 31 million



Total Trip in Greater Jakarta 88,2 Million trip/day



30% mode share of public transportation in Greater Jakarta



People in Greater Jakarta commute approximately 4 hours/day



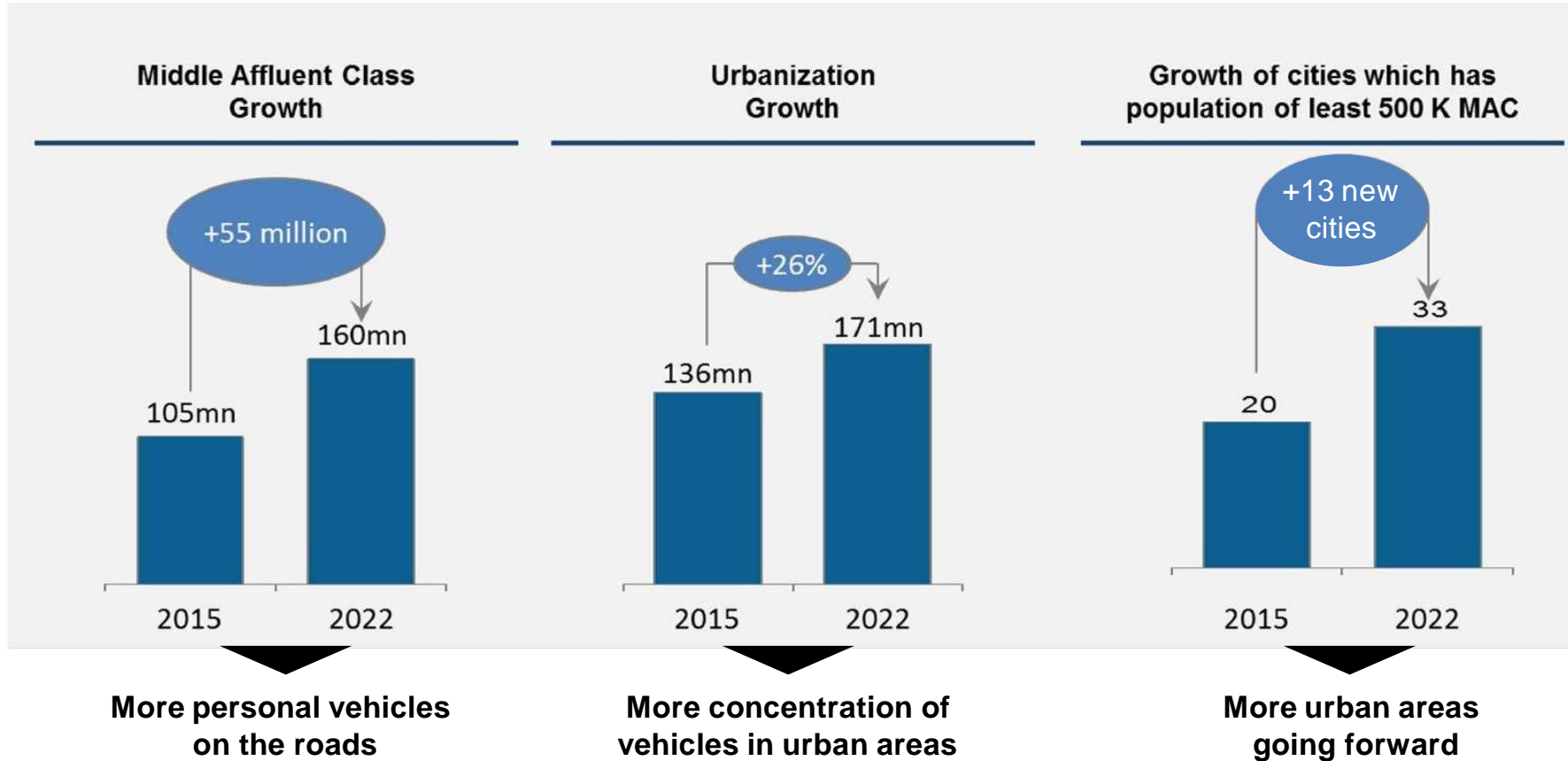
43% emissions are originating from the transport sector, approximately 25.000 tons/year



The traffic congestion estimated to cost USD 6 billion year in lost productivity



And the pressure is getting serious





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ITS Indonesia Rises to the Challenge

Policy Advisory

Provide suggestions and feedback to the government in making policies, regulations, and standards development of ITS Indonesia

Data & Information System

Provide information and examines issues related to the development and operation of the transportation industry

Research, Development & Training

Collaborative research, development, and training for smart transportation systems that are appropriate for Indonesia

Promote Collaboration & Market Place

Facilitate the collaboration of the industries and business development of ITS

Facilitate Sinergy A-B-C-G

Synergize the potential of industry, government, and academia for the development of ITS Indonesia

Facilitate Endorse Standards

Compiling ITS standards for the implementation of the transportation system and industry



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Vision of ITS Indonesia 2020-2023

ITS Indonesia as a platform for the development of smart mobility and the development of a digital transportation ecosystem, which supports economic growth and recovery, equitable mobility, and environmental sustainability.



Digital Transformation for Transport Development



Integrated Urban Transport System



Electric Transport



Smart Driving & Logistics



Safety & Healthy Mobility

Action Plan ITS Indonesia





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Our Commitment to push advance Indonesian Transport System that will meet users' needs

ITS Themes 2020 - 2023

- 1 Smart Mobility Development
- 2 Digital Transportation Ecosystem Development
- 3 Supporting Economic Recovery and Growth
- 4 Supporting Social Justice in Mobility Sector
- 5 Supporting Environment Sustainability

Focusing on Customers Needs



Urban Commuters

Users of Urban Public Transport as enabler of urban activities



Business & Leisure Travelers

Users of Public Transport Service in Tourism



New Normal Households

Users of Public Transportation Service for logistics



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Opportunity for Collaboration

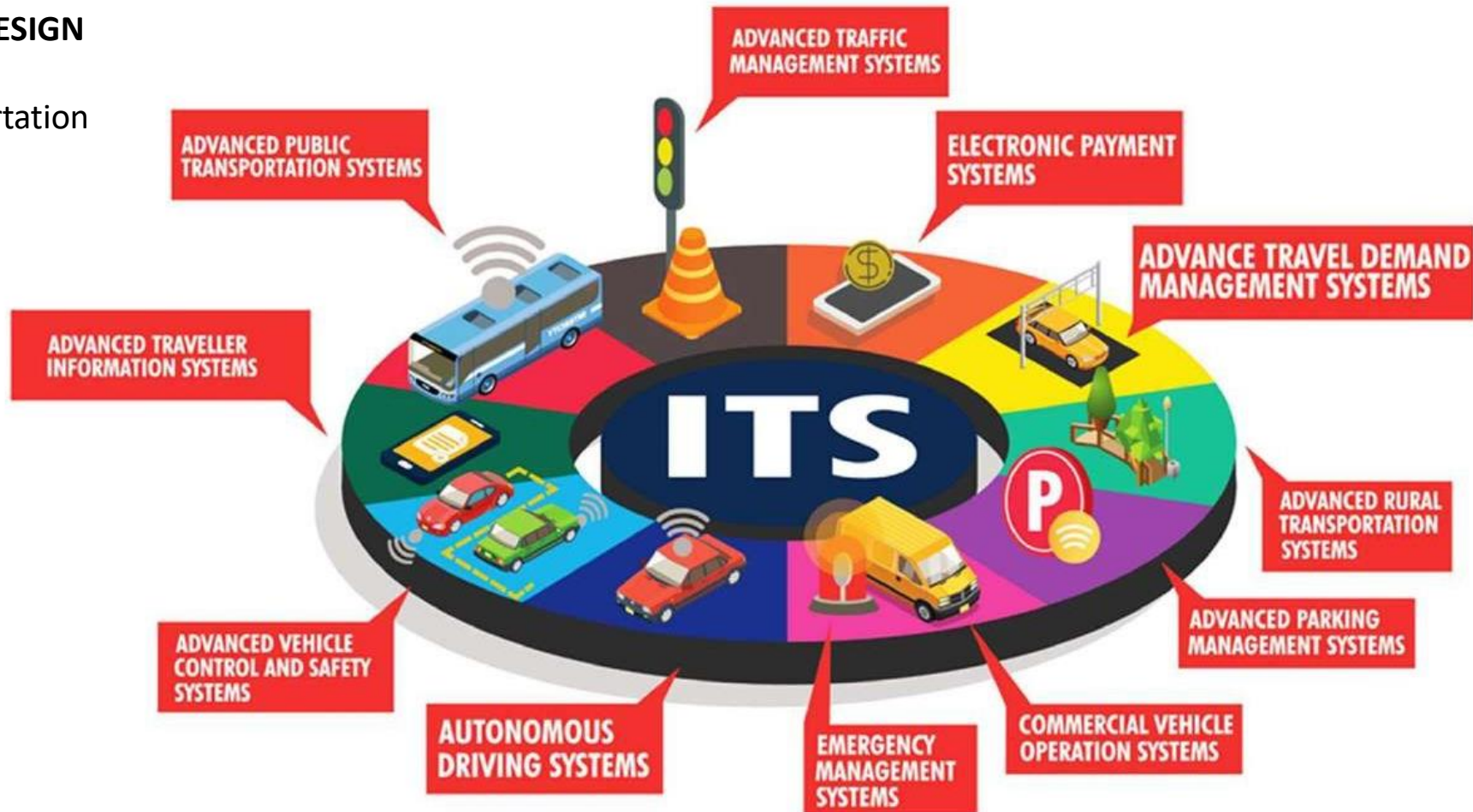




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Opportunity for Collaboration

ITS GRAND DESIGN
2020-2030
Land Transportation



Each Type of ITS Implementation will be integrated into a Single unit Called the
“INTERGRATED ARCHITECTURE FRAMEWORK”



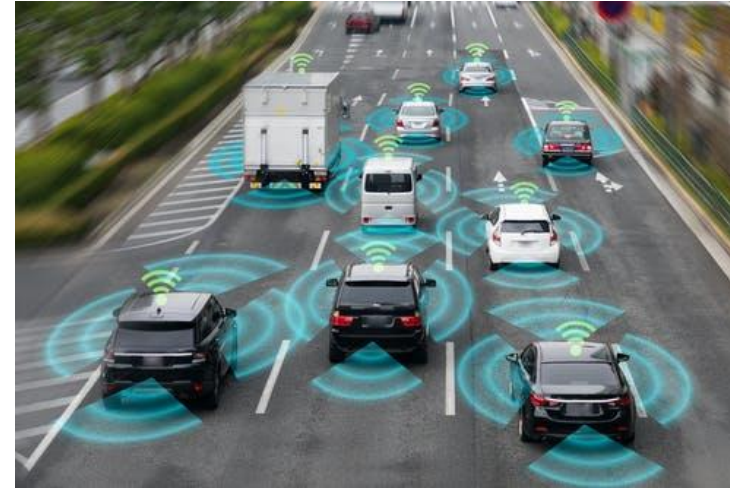
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Building Digital Ecosystem in Transport Industry

Autonomous vehicles is projected to travel about 66 percent of total passenger-kilometers in 2040 -Ministry of Research & Technology Program

Integrated payment system in Transportation

Big data analytics





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Electric Vehicle in Indonesia

Presidential Decree 55/2019 about The Acceleration of The Program for Battery Electric Vehicle

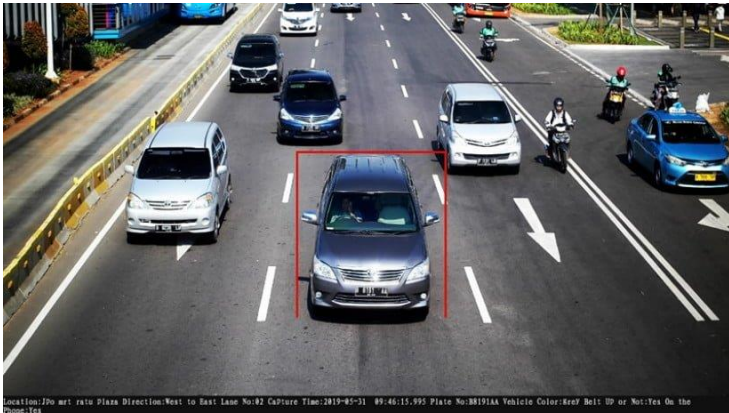
Developing the ecosystem of electric vehicle

Vehicle production





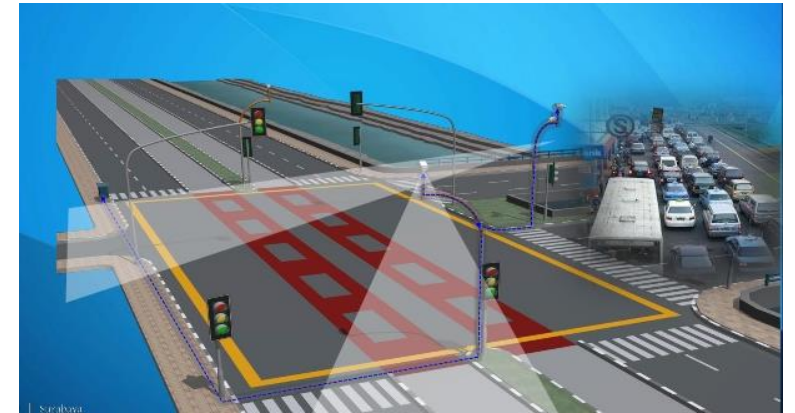
Future Development of ITS in Indonesia



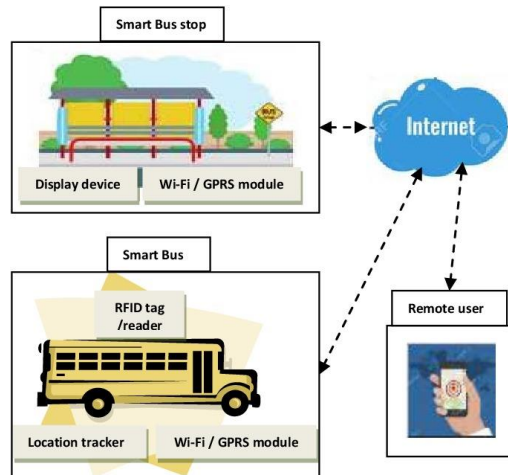
Electronic Traffic Law Enforcement



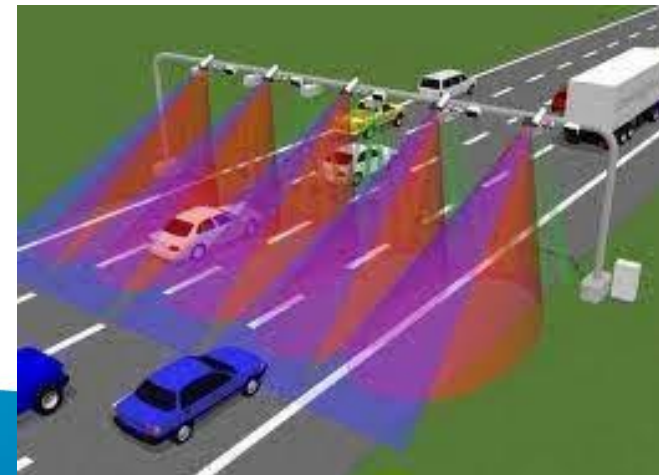
Electronic Road Pricing



Adaptive Traffic Control System



IoT Bus system



Multi Lane Free Flow



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