

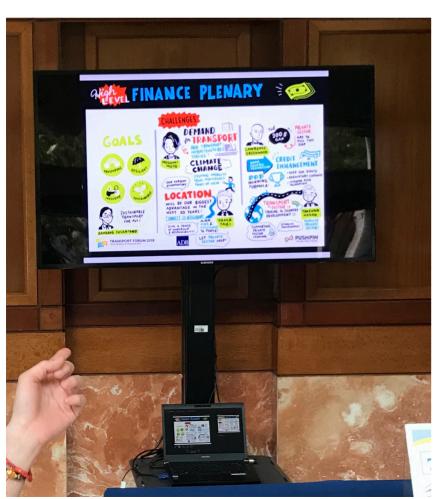
TRANSPORT FORUM 2018

Manila, Philippines 12-14 September 2018

Organized by











FINANCE PLENARY



RANSPORT













BAMBANG SUSANTONO





AND

RECOMMENDATIONS:

ALMOST 200 B.



MEGUMI

MUTO

DEMAND

INFRASTRUCTURE



OUR CURRENT DISADVANTAGE

SOLVING MOBILITY FROM INDIVIDUAL'S POINT OF VIEW





THE

SECTOR HAS TO FILL THIS

LAWRENCE GREENWOOD

SHIFT FROM

BANK CENTRIC PERSPECTIVE

WINNING FORMULA



- · NEED GOV. RIGHTS
- REGULATORY CERTAINTY
- MPROVED RISK ALLOCATION



BE OUR BIGGEST ADVANTAGE IN THE NEXT 20 YEARS!

CONNECT JOR NEIGHBORS

GIVE A SENSE OF OWNERSHIP & RESPONSIBILITY! ALIGN YAMA AIDS & YARI ASSISTANCE TO PEOPLE!

 ${
m ADB}$

LET PRIVATE SECTOR HELP!



CRUCIAL TO COUNTRY DEVELOPMENT !!!

MOBILIZE

SUPPORTING PRIVATE SECTOR LENDING

ESTABLISH FRAMEWORKS!



TAKEHIKO

NAKAO





INNOVATIVE TRANSPORT TECH :





AUTONOMOUS VEHICLES



REPLACING THE HUMAN DRIVER

ENABLING TECHNOLOGIES

- **SENSORS**
- · MAPS
- COMMUNICATION
- INFRASTRUCTURE

MOBILIZING PEOPLE WITH DISABILITIES



DEMAND NEAR-ZERO FATALITIES

NEW TECH IS BEING ADOPTED BY DEVELOPING COUNTRIES BECAUSE OF THEIR

DETECTING

DAMAGE

ROAD

GREATER NEED



4 TECHNOLOGY ---IS EVOLVING FAST!

IN THE BLINK OF AN EYE.

BECAME AVAILABLE AT YOUR FINGERTIPS!



DIGITALIZATION AUTOMATION



USING

TO MANAGE TRAFFIC & TRANSPORT ITEMS



MOBILITY BECOMES

SHARED ELECTRIC AUTOMATED

> IMAGINE THE FUTURE & MAKE IT SO!

RETROFITMENTS EMOBILITY

BY 2011 ...

- ALL NEW VEHICLES WILL BE PURE ELECTRIC VEHICLES!
- ADAPT OLD CARS BY:

RETROFITMENT



REDUCED POLLUTION



IMPROVED FUEL ECONOMY



LOW INSTALLATION & MAINTENANCE COSTS

YOU

DONT

NEED TO

OWN A

CAR TO

GO AROUND!

MOTIVATIONS:

CO2 REDUCTION **URBAN POLLUTION**



CAR NUMBERS WILL DOUBLE BY 2040 !



CONCERNS:



- . NO CHARGING STATIONS
- . LIMITED RANGE IN SINGLE CHARGE



FOCUS

HIGH MILEAGE VEHICLES CITIES LARGE FLEETS



OPTIMIZE

CHARGING STATIONS RATTERY POLICY



INCENTIVIZE

INCLUDE NON FINANCIAL VENTURES





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E-VEHICLES MENTRANSPORT TECH





EMOBILITY

around the WORLD



CHINA'S F-BUS

MORE POWERFUL AND ENERGY EFFICIENT

LEADING IN E-BUS PRODUCTIONS

. COST EFFICIENCY

E-BUS TECHNOLOGY

· USE SMALL BATTERIES FOR FASTER CHARGE

ECONOMICS

- LOWER MAINTENANCE IF HUGE FLEET SIZE
- HIGH OWNERSHIP COST

CO2 EMISSIONS



PRIVATE RUS CAR

FOCUS ON LARGE VEHICLES = LARGER CO2 IMPACT



LOWER CARBON EMISSIONS





LESS NOISE



E-SCOOTER PROGRAM

POLLUTION THE SOLVING PROBLEM FROM MOTORCYCLES

PROMOTING E-BIKES! -

- · INCENTIVIZE OWNERSHIP
- · IMPROVE PERFORMANCE
- ENVIRONMENT FRIENDLY
- AS CREATIVE BUSINESS
- STANDARDIZATION



INDIA'S CHARGING SCHEME

SHARED

ELECTRIC

CONNECTED

- TECHNOLOGY DEVELOPMENT
 - PILOT PROJECTS
- DEMAND CREATION
- CHARGING INFRASTRUUTURE

ARMENIA'S E-TRANSPORT INITIATIVE



· PROVIDE TAX ADVANTAGES + INFRASTRUCTURES FOR E-VEHICLE OWNERS



NON EXISTENT POLICIES IN PH

PUSHING E-BILL !

ONLY PRIVATE SECTORS IN

NEED:

- · FUNDS
- . NATIONAL AWARENE
 - INCENTIVES









BANSPO program ADB'S SUSTAINABLE U



STRATEGIES IN PROMOTING SUSTAINABLE URBAN TRANSPORT

WHY SUT

SOLVING . TRAFFIC CONGESTION

- · AIR POLLUTION
- · UNSAFE ROADS

GOALS

SAFE

ENVIRONMENTALLY FRIENDLY



ACCESIBLE

SLOW PROJECT TRANSITIONS?



BUILD SUT. PROJECT PIPELINES!



DIALOGUE

LONG TERM ENGAGEMENTS



REALISTIC EXPECTATIONS





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KARACHI BRT PROJECT

- RESTRUCTURING THE WHOLE FACADE OF THE BRT /



·USE OF GREENERIES TO FACILITATE DRAINAGE

· PEDESTRIAN BIKE WALK

ENSURE FINANCIAL SUSTAINABILITY W/O OPERATIONAL SUBSIDIES

NETWORK INTEGRATION TO ENSURE HIGHER RIDERSHIP

PWD _





BIKE RENTAL NEAR STATIONS

· FEMALE ONLY SECTIONS S150 M PROJECT TOTAL



URBAN

DEV PROJECT RATHER THAN JUST A TRANSIT PROJECT !



GUIDING PRINCIPLE

AVOID SHIFT IMPROVE ENABLE

AFD MOBILITY

MYC OBJECTIVES

REDUCED TRANSPORT-RELATED GHG EMISSIONS =

TRANSFORMATIONAL CHANGES

MORE COMPREHENSIVE INTEGRATED, PARTICIPATORY PLANNING

MYC ENABLES CITIES TO TAKE THE RIGHT STEPS TO SUSTAINABILITY



SUT CORRIDOR: YICHANG CHINA

/ INNOVATIVE DESIGN

REMOVED SETBACK

PARKING

BIKE SHARING

IMPLEMENTATION



LOCAL GOV'T BUY IN : IMPORTANT !!!



COSTS NOT TOO EXPENSIVE











STATUS QUO

BARRIERS

TO TRADE

REGIONAL CONNECTIVITY



CAREC

TRANSPORT SECTOR

WORK PILLARS

· ROAD SAFETY



CONNECTING THE RAILWAYS OF THE GREATER MEKONG SUBREGION





SPEED & GMRA MISSION: AVAILABILITY OF PRODUCTS



REGIONAL RAILWAY CONNECTIVITY



PROMOTE EFFICIENT, SAFE, SUSTAINABLE TRANSPORT



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INCREASED TRANSPORT

DEMAND FOR MORE

TRADE WITHOUT

BURDENING THE

ADB





COSTS

SECTOR

AUTOMOBILE

DEVELOPMENT







GECONOMIC GAINS



INNOVATIVE FINANCE





FINANCIAL GAP

ONE SOLUTION:



GOV'T SPENDING ALONE CANNOT SUPPORT GROWTH

SECTOR NEEDS TO

HELP







to deliver Public Service

PRIVATE SECTOR HAS A WALL OF MONEY TO SPEND ON ASSETS!



CHALLENGES

WHY EXPECT PRIVATE SECTOR TO TAKE A RISK ON YOUR MANAGEMENT?

PRIVATE SECTOR DON'T ALWAYS UNDERSTAND HOW PUBLIC SECTORS WORK



TOTAL COST OF PROJECT

ADDRESS RISKS W/IN





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CLIMATE MITIGATION TRANSPORT















FOR POOR"

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RAIL TRANSPORT. ZZ



UNLESS WE HAVE A STRATEGY TO LOOK AT SUSTAINABILITY THERE WILL BE AN ISSUE.

GOOD RIDERSHIP

CHALLENGES

Capital intensive only P to P transit

Imited resources & Competing needs

INNOVATIONS!

Standardize Components

> One Nation, One Card

COST EFFECTIVE MEASURES



SUPPORTED BONDS

TARGETED TAXES

TRANSIT ORIENTED

Q LONG TERM MAINTENANCE CONTRACTING

NOT JUST FOR FINANCING, BUT ALSO FOR OPERATIONS, DESIGN, and REVENUE ECOSYSTEM



A RELIABLE, FAST, AND RELIABLE MASS TRANSIT SYSTEM CAN BROADEN



- SAFETY
- MODAL INTEGRATION
- · ACCESSIBILITY
- · AFFORDABILITY
- · TRAVEL TIME
- · COMFORT
- · RELIABILITY





ACTING AT THE RIGHT TIME CAN YIELD GAINS IN THE FUTURE



UPDATE







DOING BUSINESS-with ADB



VISUAL SOLUTIONS

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Ideas. Made to Stick.

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