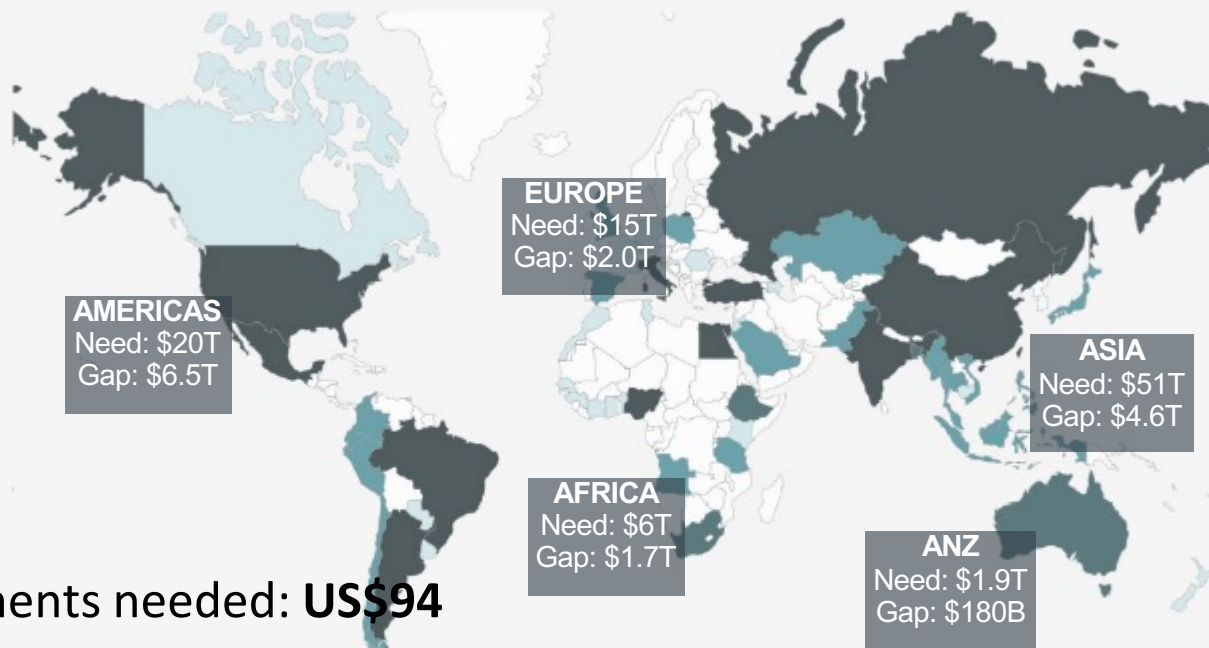

THE FUTURE OF INFRASTRUCTURE

Utami Prastiana

Country Representative, Indonesia
AECOM

8 April 2021

Infrastructure demand by 2040

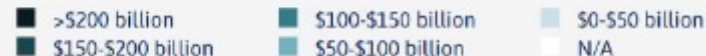


Total investments needed: **US\$94 trillion**

Investment Gap: **US\$15 trillion**

Asia Pacific accounts for 56% of the investment needed, and 32% of the gap.

Total forecast infrastructure investment gaps



APAC sectorial infrastructure needs by 2040

						
Energy	Telecommunications	Transport: Airport	Transport: Ports	Transport: Rail	Transport: Road	Water
Needed \$890bn	Needed \$206bn	Needed \$64bn	Needed \$58bn	Needed \$376bn	Needed \$877bn	Needed \$166bn
Gap \$116bn	Gap \$32bn	Gap \$20bn	Gap \$8bn	Gap \$7bn	Gap \$57bn	Gap \$24bn

Future Transportation



Electric driverless car

Hyperloop



Why Now – Transformation for Future of Infrastructure

Commercial rocket



LA underground tunnels



Electrified Vehicles



Electrified Bus
Shenzhen



E-bike rental
Paris



Electric Scooters Rental

Autonomous Transportation



AECOM

Digital Infrastructure



Blue and Green Infrastructure



Why AECOM Future of Infrastructure program

Help public and private sector stakeholders anticipate & meet future needs

- Analyze global trends in infrastructure across providers and users
- Raise a global conversation to share relevant ideas on common challenges

Report insights will be useful in helping city governments respond to challenges identified, advancing public engagement, leading to progress in modernizing the infrastructure systems that power economies and improve lives.

The Future of Infrastructure report



Launched first at the World Economic Forum in 2018,
The Future of Infrastructure report captures
conversations by infrastructure stakeholders around
the world.

A series of forums and conversations in Singapore, Kuala Lumpur, Jakarta, Manila and Bangkok with clients and city stakeholders in 2019 to discuss the report findings and understand their priorities to make cities more liveable:

60%

of respondents
in Kuala Lumpur

Use public transportation

90%

of respondents
in Jakarta

Dissatisfied with transit system

>80%

of respondents

Public transport affordability

100%

of respondents

Not consulted on public infrastructure investment

100%

of respondents
in Kuala Lumpur

Not confident to prevent cyber attacks

90%

of respondents
in Jakarta

Not confident to prevent flood.

THE FUTURE OF INFRASTRUCTURE



Report overview:
The Future of Infrastructure



THE FUTURE
IS NOW



ADAPTING TODAY
FOR A NEW TOMORROW



FUTURE
WORKPLACE



STRENGTHENING
RESILIENCE



WORKING
SUSTAINABLY
AND TACKLING THE
CLIMATE EMERGENCY



GENERATING
SOCIAL IMPACT



SECURING
RESOURCES



DRIVING
INNOVATION
PRODUCTIVITY AND
EFFICIENCY



MAKING THE CASE FOR
INFRASTRUCTURE

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TAGLINE

THE FUTURE OF INFRASTRUCTURE

CREATING OPPORTUNITY FOR EVERYONE

DESCRIPTOR

Investment in today's infrastructure
has the power to alleviate today's
economic distress and create
opportunities for tomorrow.

Thank you.