

Webinar: Development and Evolution of a Sustainable City and Community

Sustainable City: Challenges and Opportunities in Hong Kong

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A blurred, long-exposure photograph of a busy city street, likely in Hong Kong, showing a red double-decker bus and pedestrians. The image is overlaid with a semi-transparent white box containing text.

**THE FUTURE OF SUSTAINABLE CITIES:
MEETING THE NEEDS OF THE
CITIZENS OF TOMORROW**

**GLENN J. LUTZ
CEO ARCADIS ASIA**

GLENN LUTZ, CEO ARCADIS ASIA



I moved to Hong Kong in 2018, when I joined Arcadis as CEO for Asia. My extended family is well-connected to the city and so I feel a personal commitment to make Hong Kong a more sustainable city, full of opportunities. A place where my daughter can thrive – now and in the future.

At Arcadis, I am proud not only of the work we do to improve quality of life in Hong Kong but of how we help create a more sustainable future for the communities in which we live, work and play. It's important to me that we are leading by example in our projects, in our business operations and by collaborating with others to make Hong Kong a city that will continue to serve its people for many years to come.



INTRODUCTION

ABOUT ARCADIS

Arcadis is uniquely positioned to help cities deal with some of the biggest challenges we are facing right now, from rising sea levels, urbanization and pressure on natural resources.

We are committed to delivering sustainable solutions across environment, water, buildings and infrastructure projects.

We are a team of 28,000 around the world and each of us is playing our part to improve quality of life.



4,000+

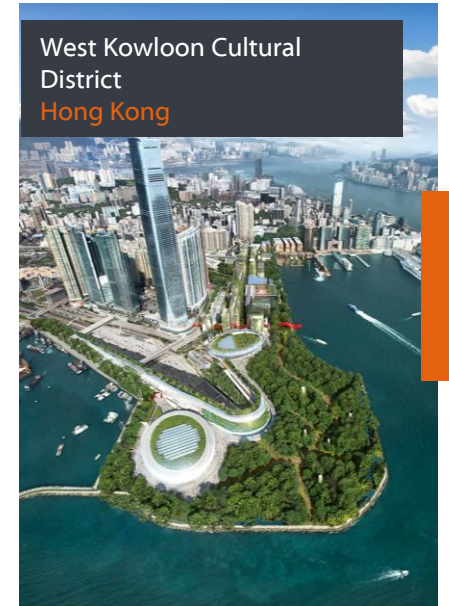
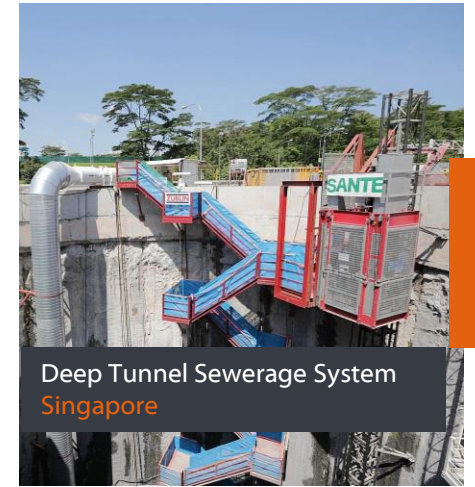
STAFF IN ASIA

8

MARKETS

85+

YEARS IN ASIA





WHERE ARE WE NOW? ARCADIS' SUSTAINABLE CITIES INDEX

Hong Kong always falls in the top 10 but there's more it can do

Hong Kong always scores quite highly in the various Sustainable Cities Index, ranking higher in profit and people, but lower in planet.

- ❖ **Finance/Profit:** Hong Kong always scores high as a key financial center for Asia, comfortably in the top 3 for 'Profit' focused on economic growth, innovation and infrastructure. But it's position as Asia's financial hub is under threat with growth in other GBA cities and Singapore.
- ❖ **Mobility:** Hong Kong has one of the most advanced mass-transit rail system in the world but falls behind on connections to rural areas and struggles to deal with the environment impacts of pollution caused by traffic and seaports.



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- ❖ **Housing and Land Reformation:** With ever-increasing rental prices, Hong Kong has a considerably higher cost of living when compared with its other Asian counterparts. Hong Kong must address its land supply issue to meet future housing needs and provide space for younger generations.
- ❖ **Planet:** Hong Kong frequently deals with typhoons causing landslides, flooding and damage to properties. It must focus efforts on resiliency to protect itself against the fallout of climate change

MOVING FORWARD: CREATING A CITIZEN-CENTRIC CITY

What do people seek from their cities, and is there a way to meet all of their needs?

Work and career opportunities



Career opportunities for young professionals
Market stability, job security and earning potential

Comfortable and affordable homes



Adequate, safe and affordable housing options
Local and accessible communities

Access and options for travel



Connectivity to work and local amenities
Variety of options that suit different lifestyles

MOVING FORWARD: CREATING A CITIZEN-CENTRIC CITY

What do people seek from their cities, and is there a way to meet all of their needs?

World-class healthcare and education



Childcare and education options
Affordable, world-class healthcare
Ability to respond to a health crisis

Environmental responsibility



Impact of extreme weather and climate change
Waste management and pollution
Access to green, clean spaces

Safe and social communities



Diversity and equal access to facilities
Social activities and leisure
Safety and security



PREPARING FOR THE CITY OF TOMORROW

CHALLENGES

- ❖ Hugely ambitious – the city's largest ever infrastructure project
- ❖ Opposition from some environment groups – concerns over habitat loss, shoreline pollution and the volume of sand needed to create artificial islands
- ❖ Reclaimed land can be more exposed to the risk of flooding in extreme weather conditions

OPPORTUNITIES

- ❖ Ability to create a sustainable city from inception – rather than remedy existing issues
- ❖ Use our capabilities to ensure the protection of Lantau's current eco-system
- ❖ Work in partnerships to create a city that is prosperous and protected for many generations to come

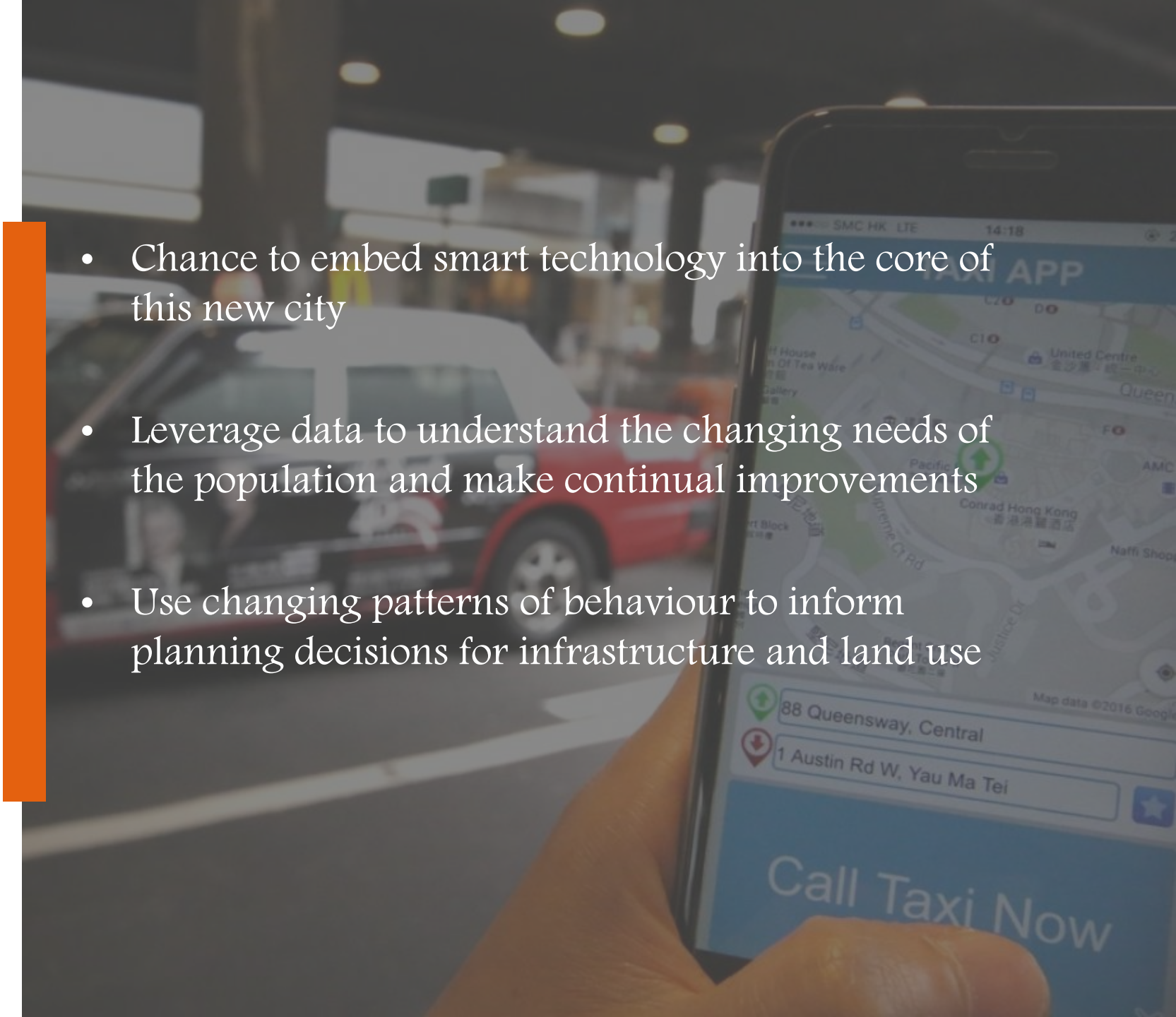
THE CITY OF TOMORROW: PROTECTING THE ISLAND COASTLINES FROM FLOODING

- Draw on global expertise to protect coastlines – learn from experience in Netherlands, New York, New Orleans and Singapore
- Nature-based solutions that integrate with green spaces and local neighbours
- Focus not only on flood defences but on a cohesive crisis response to extreme weather events



**THE CITY OF
TOMORROW:
EMBRACING
TECHNOLOGY
TO CREATE A
SMART CITY**

- Chance to embed smart technology into the core of this new city
- Leverage data to understand the changing needs of the population and make continual improvements
- Use changing patterns of behaviour to inform planning decisions for infrastructure and land use



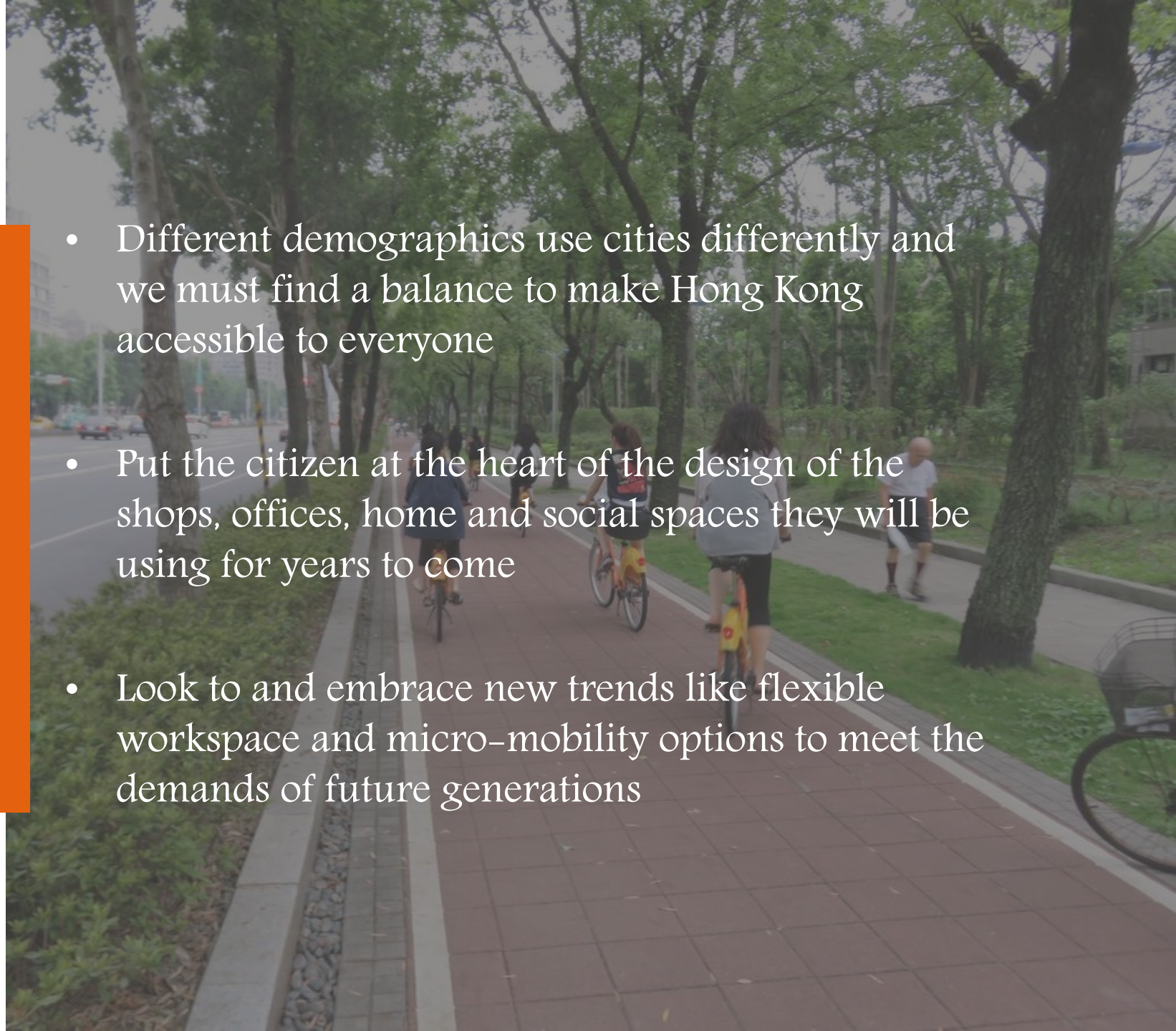
THE CITY OF TOMORROW: MINIMIZING ENVIRONMENTAL IMPACT

- Growing pressure on governments and businesses to address concerns such as air pollution and waste management
- Need to control landfilling and waste dumping during the construction process of the island
- Minimize the need for additional water and energy production
- Better integrate communities to minimize transportation needs



THE CITY OF TOMORROW: INCLUSIVE DESIGN FOR COMPETING NEEDS

- Different demographics use cities differently and we must find a balance to make Hong Kong accessible to everyone
- Put the citizen at the heart of the design of the shops, offices, home and social spaces they will be using for years to come
- Look to and embrace new trends like flexible workspace and micro-mobility options to meet the demands of future generations





**THE CITY OF
TOMORROW.
STRENGTHEN
CONNECTIONS
ACROSS THE
GREATER BAY
AREA**

- The megalopolis on the Pearl River Delta has become a hub for investment, particularly in the real estate, technology, education, and healthcare sectors
- Find synergies, common ambitions and learning opportunities to mobilize the region and attract talent
- Focus on the benefits a connected GBA would bring to the region in terms of career opportunities, sustainable mobility and investment in technology



THE CITY OF TOMORROW: WHAT WILL BE OUR LEGACY?

WE MUST ASK OURSELVES “WHAT WILL THIS CITY LOOK LIKE FOR OUR CHILDREN, OUR GRAND-CHILDREN AND BEYOND?”

- ❖ As our towns and cities grow at unprecedented rates, urbanization is one of the most pressing challenges facing the global community in the 21st century. Making sustainable improvements to the urban environment is critical to delivering lasting results for all our communities.
- ❖ While Hong Kong has been successful, it's future relies on it adapting to new trends, protecting its environment, and creating spaces designed for to meet the future needs of its people.
- ❖ Lantau Tomorrow provides a unique opportunity to create a new island city, drawing on the best practices from around the world and embedding sustainability from inception.
- ❖ The decisions we make now have permanency and will impact the lives of people long after we are gone. We owe it to future generations to create solutions that will stand the test of time as the city we are building needs to serve people not just in 10 or 20 years, but in 100 years.

Arcadis. Improving quality of life.



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