

# Diversifying Hong Kong's Economy and Creating Youth Employment Opportunities

HONG KONG YOUNG LEADERS  
PROGRAMME 2020



# Agenda for Today

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**About the Programme**

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**Background of the Project & the Vision**

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**Policy Proposals in Key Areas**

- Healthcare
  - Biotechnology
  - Aviation
  - Urban & Green Tech
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**VIP Guests Remarks**

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**Q & A Sessions**

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**Concluding Remarks**

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# Who We Are



**InvestHK**  
The Government of the Hong Kong  
Special Administrative Region



**Save the  
Children**  
救助兒童會



## Sponsors

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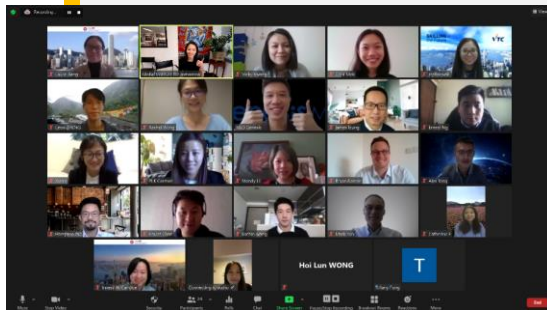


**River Star Foundation**

Honest Inquiry · Asia's Worldview · Ideas to Action

# Our Journey

- **Leadership Skills**  
Knowledge, Communication, Empathy
- **Growth Mindset**
- **Drivers of Change – Global and Local**
- **Learning Critical Thinking**
- **Creating Policies and Recommendations**

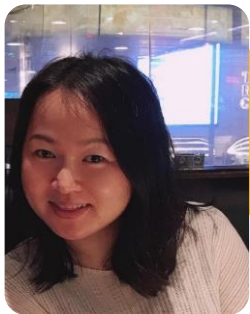


# Stakeholders Interviewed

<b>ASTRI</b>	<b>Dr. Karen Wing Yee Yuen,</b> Associate Professor, School of Biological Sciences, HKU	<b>Mr. Kenny Lok</b> EnvirPro
<b>Aviation Services Research Centre</b>	<b>Dr. Simon Chi-Chin Shiu</b> B.Sc., M.Sc., Ph.D.- Postdoc, School of Biomedical Sciences, LKS Faculty of Medicine, HKU	<b>Mr. Kingsley Leung</b> Uni Bio-Science
<b>Green Monday</b>	<b>Dr. Wai-Lung Billy Ng</b> Assistant Professor, School of Pharmacy, CUHK	<b>Mr. Martin Fan</b> TÜV Rheinland
<b>Hong Kong Aviation Industry Association</b>	<b>Mr. Adolphus Lau</b>	<b>Mr. Nixon Chan</b> Big Bang Academy
<b>InnoAcademy, HKSTP</b>	<b>Mr. Adrian Lam</b> Genesis MedTech	<b>Mr. Trevor Ng</b> Pat Chun
<b>Koln3D</b>	<b>Mr. Andrew Tsui</b> Rooftop Republic	<b>Ms. Chloe Lam</b>
<b>Livin Farms</b>	<b>Mr. Brian Pak</b> New World Development Group Sustainability Department	<b>Ms. Elise Payong</b>
<b>NEFIN</b>	<b>Mr. Clive Kam</b>	<b>Ms. Janice Lee</b>
<b>Dr. Edmund Tse</b> Assistant Professor, Department of Chemistry, Faculty of Science, HKU	<b>Mr. Danny Lee</b>	<b>Ms. Melody Wong</b>
<b>Dr. Eymon Wu</b> Researcher at HKU, Lecturer at Community College,CityU	<b>Mr. Ivan Ng, Finddoc</b>	<b>Ms. Wing Kwong</b> FarmacyHK
<b>Ms. Hsin Ling Tsoi</b> Silverline Global	<b>Mr. Kenneth Lee and Ms. Ally Wong</b> HKFYG	<b>Mr. Ivan Wong</b> Linkedin

Our appreciation to all the stakeholders involved

# Presentation Team: Policy Proposals in Key Areas



**Background & Vision**  
**Ms Candice Chan, Invest Hong Kong**



**Healthcare**  
**Ms Tiffany Fung, Social Ventures Hong Kong**



**Biotechnology**  
**Ms Cora Mok, Community Business**



**Aviation**  
**Mr Alex Tong, Co-Founder of Glide**



**Urban & Green Tech**  
**Mr James Leung, Vocational Training Council**



# Project Background



Hong Kong needs to diversify its economy, and create more meaningful jobs for young people

# The Vision

Make Hong Kong a city which is **people-centric**, with a **vibrant and diverse** economy that is **socially cohesive** and one which allows the young generation to fulfill their aspirations through equal opportunities to live a **purposeful and gainful life**.

## People-centric

A society committed to building a social contract rooted in reducing inequalities based on the principles of **community care and equal opportunities** for all.

## Vibrant and Diverse Economy

Enabling **social mobility** by building a diversified economy that provides job opportunities for all, reduces social and economic inequalities, is inclusive and geared towards addressing societal needs.

## Socially Cohesive

Investing in **long-term** socioeconomic policies, backed by a **modern education system** to build a socially cohesive society that is both **fairer** and **happier**.

## Purposeful and Gainful Life

Fulfill the **aspirations of the next generation** whilst addressing the opportunities and challenges of the future to ensure access to meaningful work which adds value to society and improves the quality of life.



# Key Focus Areas

Four focus areas with great potential:



## Healthcare

- Care Agent Scheme
- Community Wellness Clubhouse



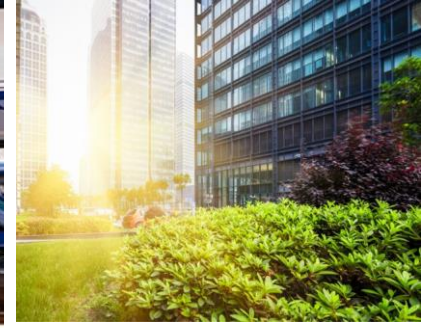
## Biotech

- R&D Center
- Food Production



## Aviation

- Worldwide Training Center
- Maintenance, Repair & Overhaul Hub (MRO)



## Urban & Green Tech

- Energy Efficiency Market
- Green SME Fund



# Healthcare

# Healthcare – Opportunities

Global pandemic makes healthcare a priority  
and a growth area



Reputable healthcare system with highly  
skilled talents in HK and the region



How can Hong Kong's youth play a key role to addressing the healthcare challenges of tomorrow?



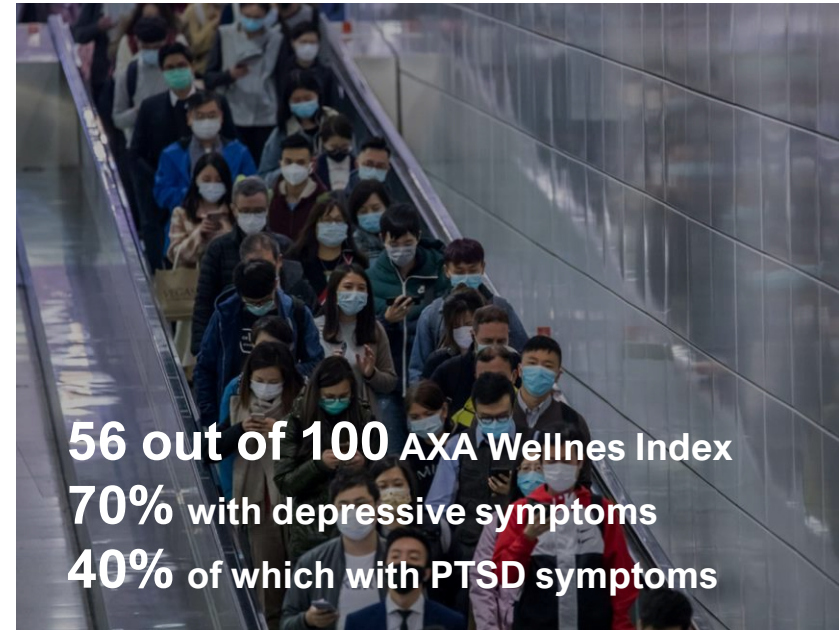
# Healthcare – Challenges

Rapidly aging population with talent drain  
in caregiving



**1.3 to 2.1m by 2029**

Decreasing mental wellbeing affecting youth and  
communities at risk



**56 out of 100 AXA Wellnes Index**  
**70% with depressive symptoms**  
**40% of which with PTSD symptoms**

Urgent need to address Hong Kong's public health crisis that will have long-lasting impact

# Healthcare – Proposal 1: Care Agent Scheme

Increase caregiver to elderly ratio from 1:7.6 to 1:5 by 2030

## 1. Launch the Care Agent Scheme via cross-sector collaboration

Certified apprenticeship program developing multi-disciplinary skilled caregivers for Registered Elderly Centres

- ✓ Immersive hybrid on/off campus experience
- ✓ Attractive salary package
- ✓ Flexible working modes
- ✓ Cross-sectoral exposure

## 2. Launch the Neighborhood Service Scheme

Paid, intergenerational caregiving opportunity for all HK students

- ✓ Credit-bearing experiential learning module
- ✓ Part time work integrated in higher education



Estimated no. of jobs created: **+ 22,000** by 2030



Unleashing the power of youth to provide people-centric care to elderly in need

# Healthcare – Proposal 2: Community Wellness Clubhouse

*Mobilise 1,000,000 underprivileged HK residents to spend 10 hrs on wellness activities per month by 2030*

## 1. Mandate property developers to build 1 Community Wellness Clubhouse (CWC) per residential development

Unlocking resources via public-private partnership

## 2. Adopt youth entrepreneurship and public-private partnership models for each CWC

Entrusting youth to operate and deliver high quality services, thereby creating wide variety of jobs with a social mission

## 3. Build 100 CWC facilities in 18 districts by 2025

Community-based preventative care to reduce societal burden



Estimated no.  
of jobs created: **+ 5,000** by 2030

Remove the institutional and lifestyle barriers to healthy & active living for all



# Healthcare – Proposal 3: Cold-Storage Hub of Asia

*Become the trusted intermediary for physical and digital flow of essential healthcare goods and services between Greater Bay Area and Asia*

## 1. Leverage Hong Kong's trust premium

Building on our effective institutions, multi-lingual and globally minded workforce with Chinese DNA

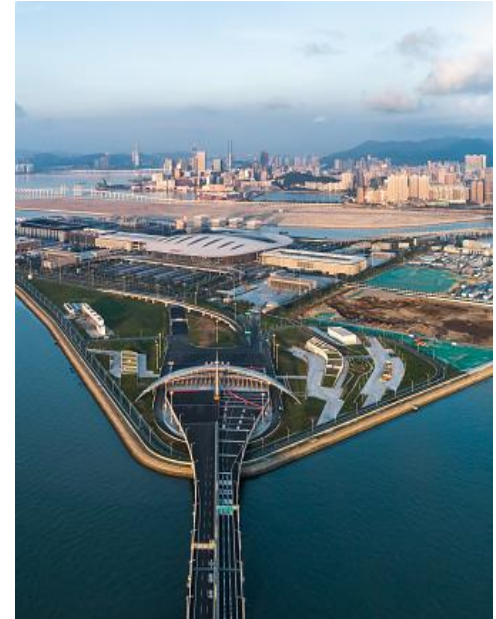
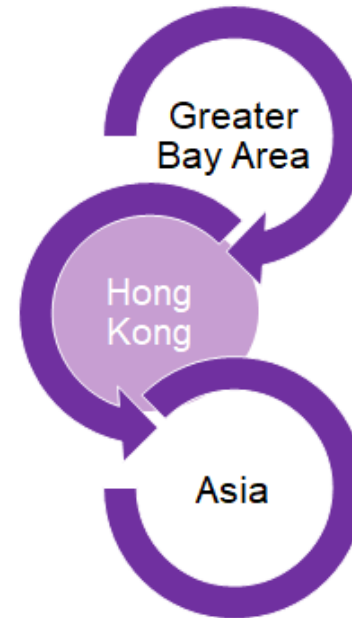
## 2. Leverage effective management systems, financial acumen and legal systems

## 3. Achieve insured resilience in Asia

Enhance pandemic preparedness, procurement forecasting, clinical trial logistics, and government planning



Estimated no.  
of jobs created: **+ 5,000** by 2030



Capitalise on Hong Kong's strengths to meet 21st century growing demand for cold chain capabilities

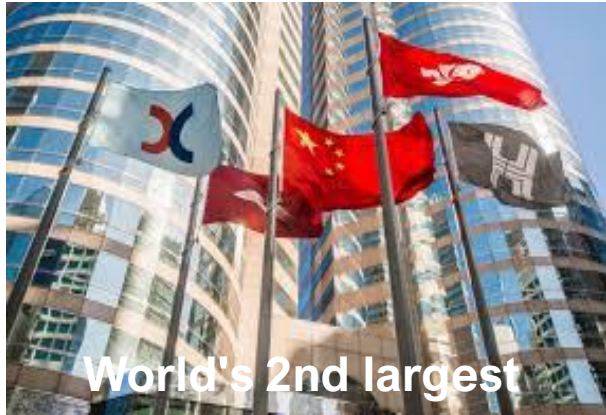


# Biotechnology

*New engine to diversify Hong Kong's  
economy and create gainful  
job opportunities for young people*

# Biotechnology – Opportunities

New listing regime to attract local and overseas investors



Leveraging R&D capabilities at universities



Reducing reliance on food imports



Hong Kong is well-positioned to become a leading biotech regional centre



# Biotechnology – Challenges

Fragmented policy support



Lack of land for R&D and food production



To leverage biotech, Hong Kong must bridge these gaps

# Biotechnology – Proposal 1: Regional R&D Centre

*Increase the porportion of R&D expenditure from the private sector to over 50% by 2030*

- Develop a R&D ecosystem to serve the region
- Coordinate all existing funding schemes
- Attract foreign corporates to set up R&D branches and stimulate STEM teaching



Estimated no.  
of jobs created: **+ 10,000** by 2030



Building the institutional ecosystem to consolidate key stakeholders



# Biotechnology – Proposal 2: Increasing Food Self-Sufficiency

*Produce 30% of the food consumption needs locally by 2030*

- Invest in biotech R&D for food production
- Increase access to land/spaces and infrastructure for conventional and non-conventional farming
- Increase the production of mariculture
- Grow the industry, engage the public



Estimated no.  
of jobs created: **+ 10,000** by 2030



**Increase local food production to provide new avenues for jobs**



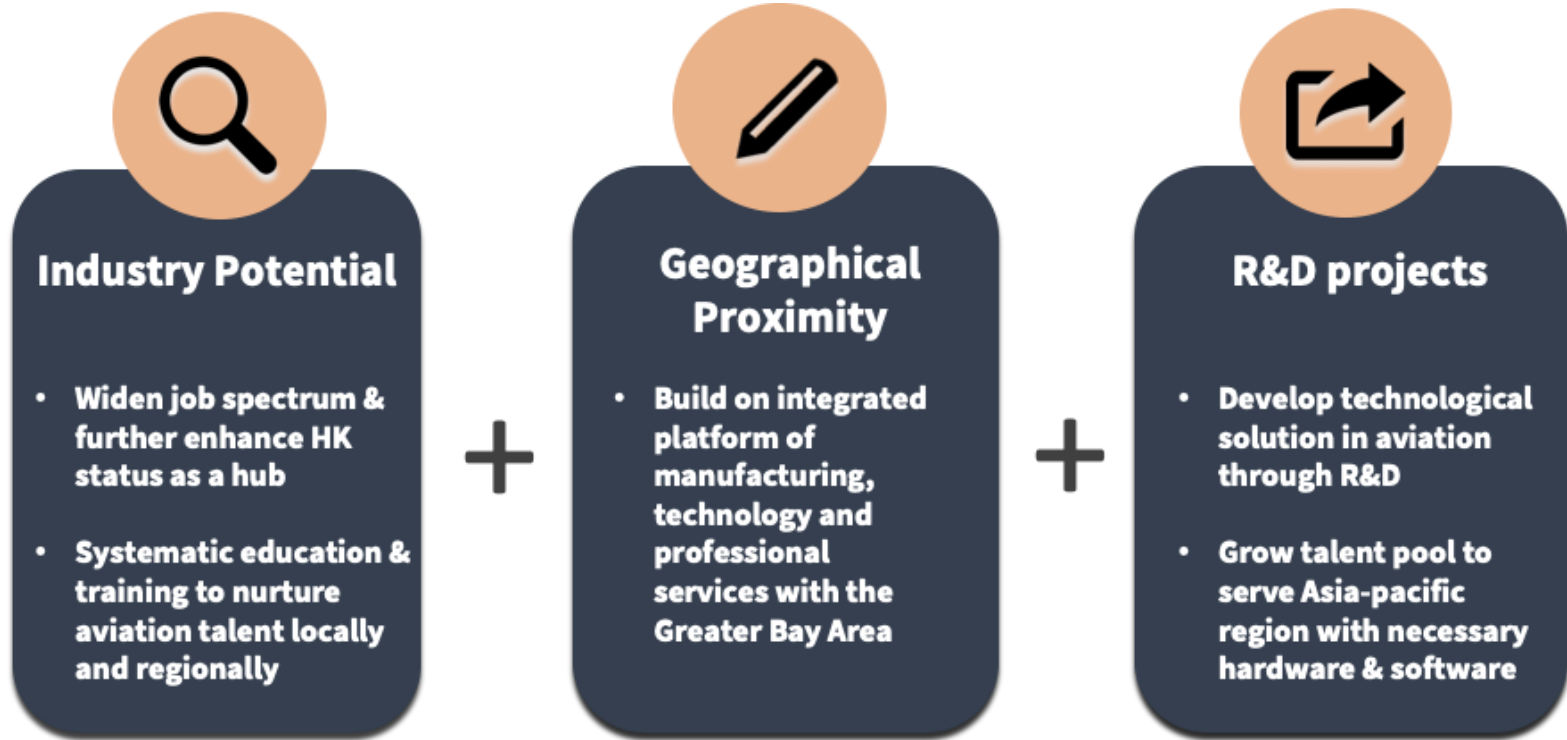
A large commercial airplane is parked on a tarmac. The sun is low on the horizon, creating a bright, warm glow that reflects off the wet pavement and the fuselage of the plane. The sky is filled with soft, orange and yellow clouds. The airplane's engines and landing gear are visible. The overall mood is serene and hopeful.

# Aviation

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*Upgrade & diversify  
aviation industry to  
attract young people*

# Aviation – Opportunities



Attract next generation to the industry with a wide spectrum of job opportunities

# Aviation – Challenges



## **Narrow interpretation of industry scope**

- Job opportunities are largely focused on certain roles
- Insufficient talent in high value-added positions
- Skilled blue collar job opportunities need filling



## **Fragmentation of aviation education**

- Current offerings are fragmented; not attracting young people for training
- Programs are mainly for people who are in the industry



## **Aviation R&D is immature**

- Growing demand for R&D innovation has not been leveraged
- Lack of industrial-focused coordination mechanism between R&D & business applications

**The industry has great scope to attract youth; Challenges must be addressed**



# Aviation – Proposal 1: International Aviation Institute



Estimated no.  
of jobs created

100+\*

- Build an international Aviation Institute that provides comprehensive, systematic and industrial-focused training for young talents and other stakeholders.
- Aligns existing programs to provide a full spectrum of education ie. Entrance levels, professionals, top-tier elites.
- Collaborates with industry partners to deliver on-the-job training and mentorship to equip young talents for career aspirations and challenges.
- **Estimated annual graduates: 200+**

Enhance career prospects and industry impression through aviation education.

# Aviation – Proposal 2: One-stop MRO Solution Hub

*The investment in the GBA airports, together with the expansion projects of Hong Kong International Airport, will further open more opportunities in MRO.*



Estimated no.  
of jobs created

3800+\*

- **Build a new hangar** at air-side to enhance aircraft-handling capabilities & local on-the-job capacities (e.g. providing holistic business solution) to meet growing MRO demand
- **Connect and expand cutting-edge R&D institutions** in Hong Kong to adapt and commercialise MRO related technologies into business operations
- **Use tax incentive scheme** to attract foreign businesses to collaborate with R&D related institutions in Hong Kong

Widen the scope of MRO Service to strengthen Hong Kong's position as a One-stop Service Hub



The background image shows a modern urban landscape. On the left, a tall, modern building with a grid-like facade is visible. In the center, a street with a few cars and palm trees leads towards more skyscrapers in the distance. On the right, a large, modern glass skyscraper stands prominently. In the foreground, there is a lush green lawn and a large, dense bush with dark purple leaves. The overall scene is bright and sunny, with a warm, golden light filtering through the buildings.

# Urban and Green Tech

*Pioneering an urban green metropolis of the future for Hong Kong that allows for diversifying job opportunities for the young generation.*



# Urban & Green Tech – Opportunities

World's energy efficiency market is projected to grow by US\$103.9 billion



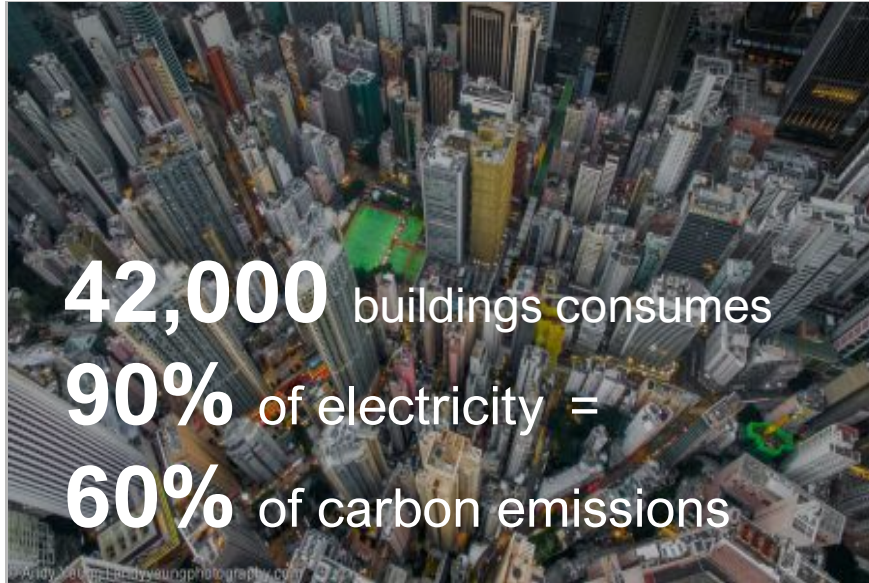
Policy commitments are in place to support the city's climate mitigation actions



Leverage the integration with the GBA and the Mainland's positioning as the world's leading producer of renewable energy

# Urban & Green Tech – Challenges

High urban density and energy consumption



Over-consumption of energy and water



Hong Kong needs to urgently reduce its overall carbon emissions to become a climate resilient, livable and sustainable city for future generations to thrive

# Urban Tech – Proposal 1: Energy Efficiency Market

- Mandate building energy disclosure and reporting
- Creation of a Retrofitting Financing Scheme through a Public-Private Partnership model
- Introduce a levy on energy water consumption



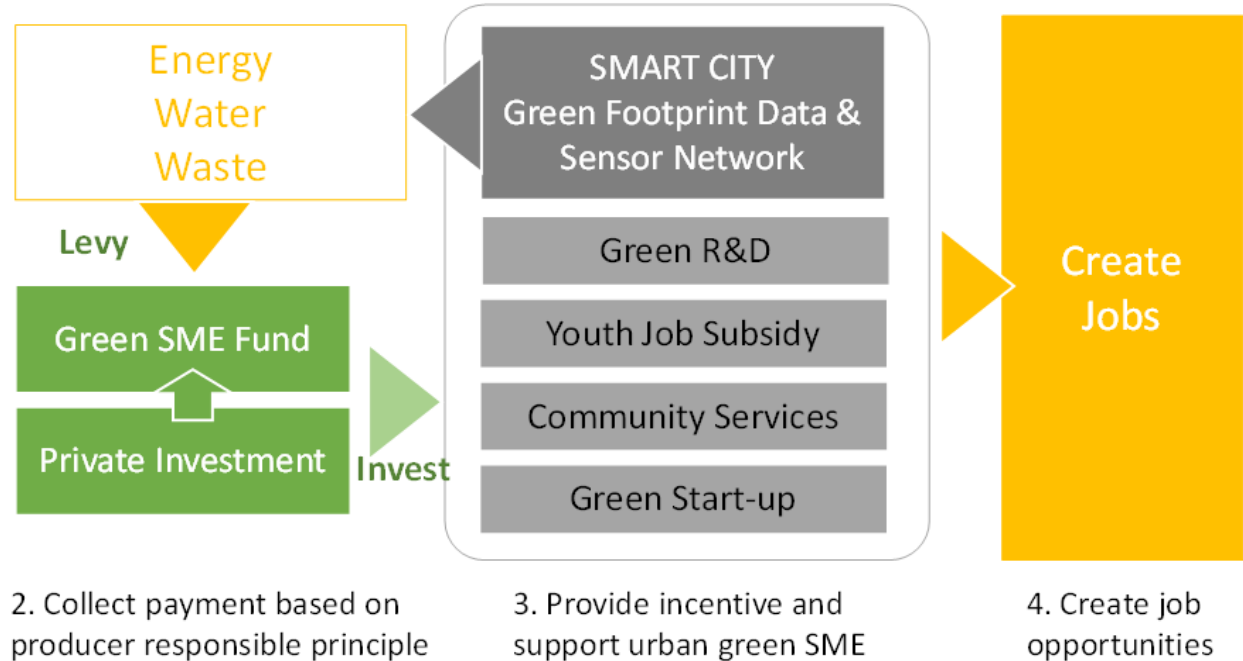
Estimated no.  
of jobs created: **10,000+**

**Building a robust energy efficiency market by reducing energy consumption by 30% in 2030**



# Urban Tech – Proposal 2: Green SME Fund

1. Energy and water waste measurement via Smart City Databank



Estimated no.  
of jobs created:  
**24,000+**

2. Collect payment based on producer responsible principle

3. Provide incentive and support urban green SME

4. Create job opportunities

Establish a one-stop integrated platform bridging private and public sectors  
for a sustainable green economy

# Conclusion



# THANK YOU!



**GIFT** GLOBAL  
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FOR TOMORROW.

**YOUNG LEADERS PROGRAMME**

**青年領袖計劃**  
Hong Kong 2020