# HKEPC Labor Force Crisis



## **Executive Summary**



High rent for both domestic and commercial land blocks oversea talents and businesses out of HK, GBA has issued policies and created science parks to support technology innovations.

2020

2022

#### High Housing Price

#### Hong Kong has the least affordable housing market in the world

Housing Affordability Ratings by Nation: Totals by Market						
Nation	Affordable (3.0 &Under)	Moderately Unaffordable (3.1-4.0)	Seriously Unaffordable (4.1-5.0)	Severely Unaffordable (5.1 &Over)	Total	Median by Nation
Australia	0	0	0	5	5	8.2
Canada	0	1	1	4	6	5.3
China: Hong Kong	0	0	0	1	1	18.8
Ireland	0	0	0	1	1	5.1
New Zealand	0	0	0	1	1	10.8
Singapore	0	0	0	1	1	5.3
United Kingdom	0	0	10	13	23	5.3
United States	0	12	18	26	56	5.0
TOTAL	0	13	29	52	94	5.3

## Reason for high property price

#### Policies that higher rental price

#### • Lack of land resources supply



#### Lack of Technology Companies

Technology is not one of the 5 pillar industry of HK's economy

Absence of technology	
industry will lead to reliance	
on the traditional industries,	
especially housing and	
property industry.	

Technology industry development can:

- Increase diversity of the economy
- Create more positions

#### The Greater Bay Area is supportive of tech innovations



Decrease in fertility rate lowers future workforce population, higher proportion of elderly create burden for tax payers as the government expenditure increase.



The replacement level of a population in 2.1 children per woman. An abnormally low fertility reduces the future workforce population and adds huge burden to existing labor force.



The median age and proportion of elderly in Hong Kong has been increasing rapidly in the past decades. This increases government expenditure and adds burden to existing tax payers.

# From the perspective of both education and work, we offer the following solutions to ease the Labor crisis in Hong Kong.



Open work from home positions, recruit talent globally, relieve the burden of high housing price in HK, rising costs of office space and huge cost in commuting.





Entrance of Tech	MNCs can	expand la	bor poc
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- Brings in foreign experts to HK and GBA
- Create more positions that attracts talents to stay.

Despite of the number of patents and the fine investment environment, HK lack the implementation of these tech innovations due to the high operation cost. HK based startups can create synergy by leveraging the resources in the GBA .

GBA Resources	HK Resources				
<ul> <li>Policies supporting entrepreneurship</li> <li>Extensive Supply Chain</li> <li>Manufacturing industries</li> <li>Massive market access</li> </ul>	<ul> <li>Yet to commercialized patents and innovations</li> <li>Diverse international investment environment</li> <li>Mature service industry</li> </ul>				
HK based start-ups with GBA office can create					

#### Lowers entrance barrier for MNCs

Lower tax and provide subsidies for foreign/GBA companies to enter HK.

Promote the convergence of rules and mechanisms in key areas to reduce friction for Tech MNCs to enter the HK and GBA market.

#### Support the implementation of Tech Start-up

Accelerate infrastructure (Airports, ports, roads, etc) development to facilitate innovation factor exchange across border.

Diversify the listing standard for GEM board.

Share talent pool among HK and GBA area which expands the options for labor force.

MNCs

Enhance Childcare Facilities for kindergarten and lower primary students, provide convenient for working class parents, reduce reluctance for childbirth.



**Reduces** burden of parents, **Increase** incentives for childbirth

# Address on middle school student pool expansion, attract talents from diverse background to create global talent pool and balance education resources in long run.

## Enroll oversea middle school students

- Policy incentive: Subsidies on living expenses, tuition fee and flight ticket
- Condition: Applier needs to stay in HK for further study or submit liquidated damages
- Process: Certification test audition - English bridging courses

## Cooperative school-running programs

- Encourage middle school cooperate school running across boarder
- Increase combined master and PHD program in STEM
- 2+2 mode for bachelor degree

### Sponsor exchange

#### programs/internship program

- Encourage exchange in GBA for both middle schools and universities
- Subsidies on exchange living expenses
- Cross border internship
- Involve students in government's innovative industrial projects
- Lower pressure: Incentivize international talents by subsidizing living expenditure.
- **Directed training**: Train STEM experts by providing combined Master & PHD program.
- **STEM Focused**: Increase the proportion of students in STEM industry.
- Cross-border opportunities: Access to opportunities in multiple regions with freedom.

Focal Point



### Impact on firms and individual families



# Changing age structure of labor force may lead to decrease in fiscal income and increase in expenditure, contributing to high risk in budget constraint.

	Catastrophic	5	5	10	15	20	25
5	Significant	4	4	8	12	16	1)20
mpact	Moderate	3	3	6	<b>5</b> 9	12	15
ct	Low	2	2	4	6	2	310
	Negligible	1	1	2	3	4	5
			4	2	2		-
Catastrophic	Stop		1	2	3	4	5
Unacceptable	Urgent Action	Urgent Action		Ren	Occ	Pro	Fre
Undesirable	Action		Improbable	Remote	Occasional	Probable	Frequent
Acceptable	Monitor		able		nal	r	Ŧ
Desirable	No Action						
				Lik	elihc	od	

Risk	Mitigation
<ol> <li>Policy ineffectiveness</li> <li>Mismatch between policies and the actual needs</li> </ol>	Test with a few successful points then promote to broader area.
<b>2. Quality control</b> Difficult to monitor the outcome	Make use of blockchain technology to obtain feedback on company performance.
<b>3. Low ROI</b> Return might not cover investment	Long term result will be higher as the sites creates agglomeration effect.
<b>4. Budget constraint</b> Decrease in fiscal income and increase in fiscal expenditure	Modify fiscal structures in SR, in LR the rise of tech industry contribute to higher revenue.
<b>5. Environmental and political risk</b> Change in government policies and geopolitical relationships	Comply with local ESG regulations and policies; sign agreements to promote communication and collaboration among regional governments.

Future Prospective: Integrate global labor and education resources, establish the world talent bank and the world education resource bank, provide sustainable power for development of HK.

