



**SINO-SINGAPORE  
GUANGZHOU KNOWLEDGE CITY**  
中新广州知识城



## **Sino-Singapore Guangzhou Knowledge City – Developing a CITY of the FUTURE**

May 2016



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## *How Guangzhou Knowledge City Started:*



*Guangdong Party Secretary Wang Yang led a 400 member delegation to Singapore in Sep'08*

**“...Guangdong now would like to leverage on the successful experience of Singapore, and integrate it with the actual conditions in Guangdong, thereby forging a way that is suitable for Guangdong, so that it can become a modern city like Singapore”**

*Then PS Wang Yang Lianhe Zaobao*

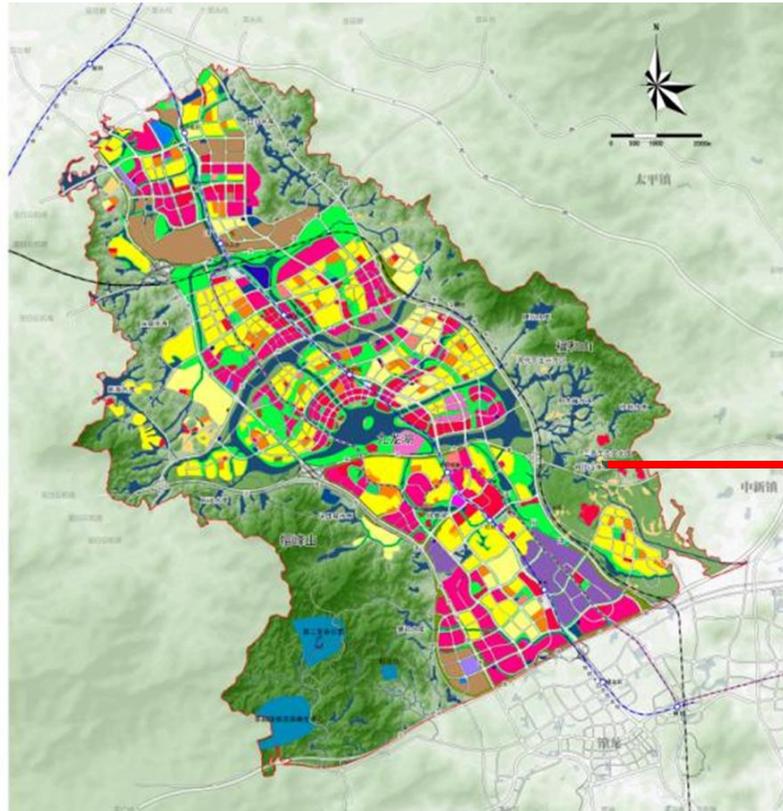
*1 Sep 2008*



# SSGKC - Master Plan

- Core development of the Guangzhou Eastern Scenic New City
- Total land area of **123 km<sup>2</sup>**
- Developable area of **60 km<sup>2</sup>**
- Planned population is **500,000**

- 图例
- 一类居住用地
  - 二类居住用地
  - 行政办公用地
  - 文化设施用地
  - 教育科研用地
  - 中小学用地
  - 体育用地
  - 医疗卫生用地
  - 社会福利用地
  - 文物古迹用地
  - 商业用地
  - 商务用地
  - 娱乐康体用地
  - 公用设施营业网点用地
  - 一类工业用地
  - 一类物流仓储用地
  - 城市道路用地
  - 城市轨道交通用地
  - 交通场站用地
  - 供应设施用地
  - 环境设施用地
  - 安全设施用地
  - 其他公用设施用地
  - 公园绿地
  - 防护绿地
  - 广场用地
  - 村庄建设用地
  - 区域公用设施用地
  - 水域
  - 农林用地
  - 城市轨道交通
  - 东部山水新城轻轨干线
  - 规划界线

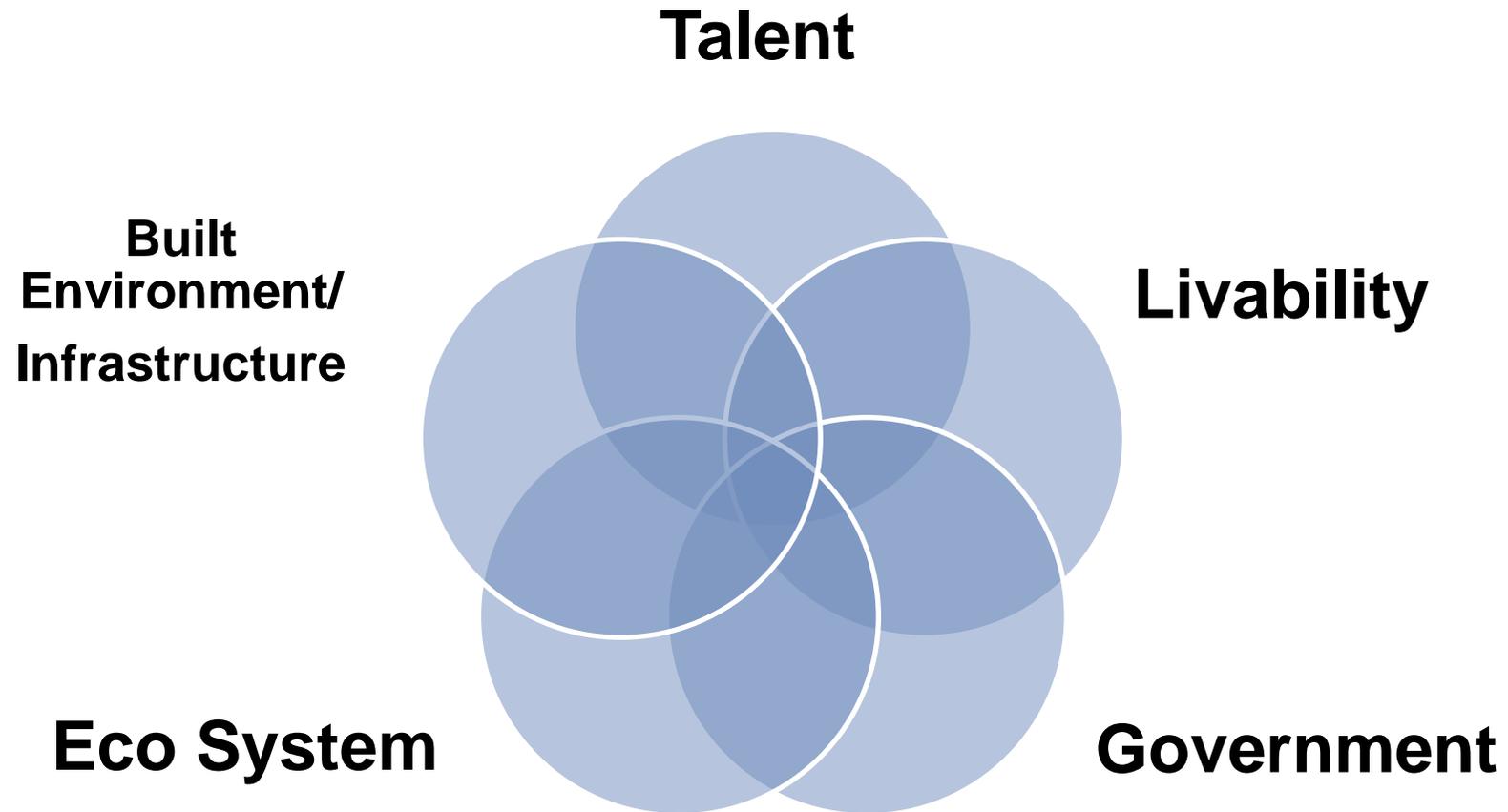


# SSGKC - Vision and Concept

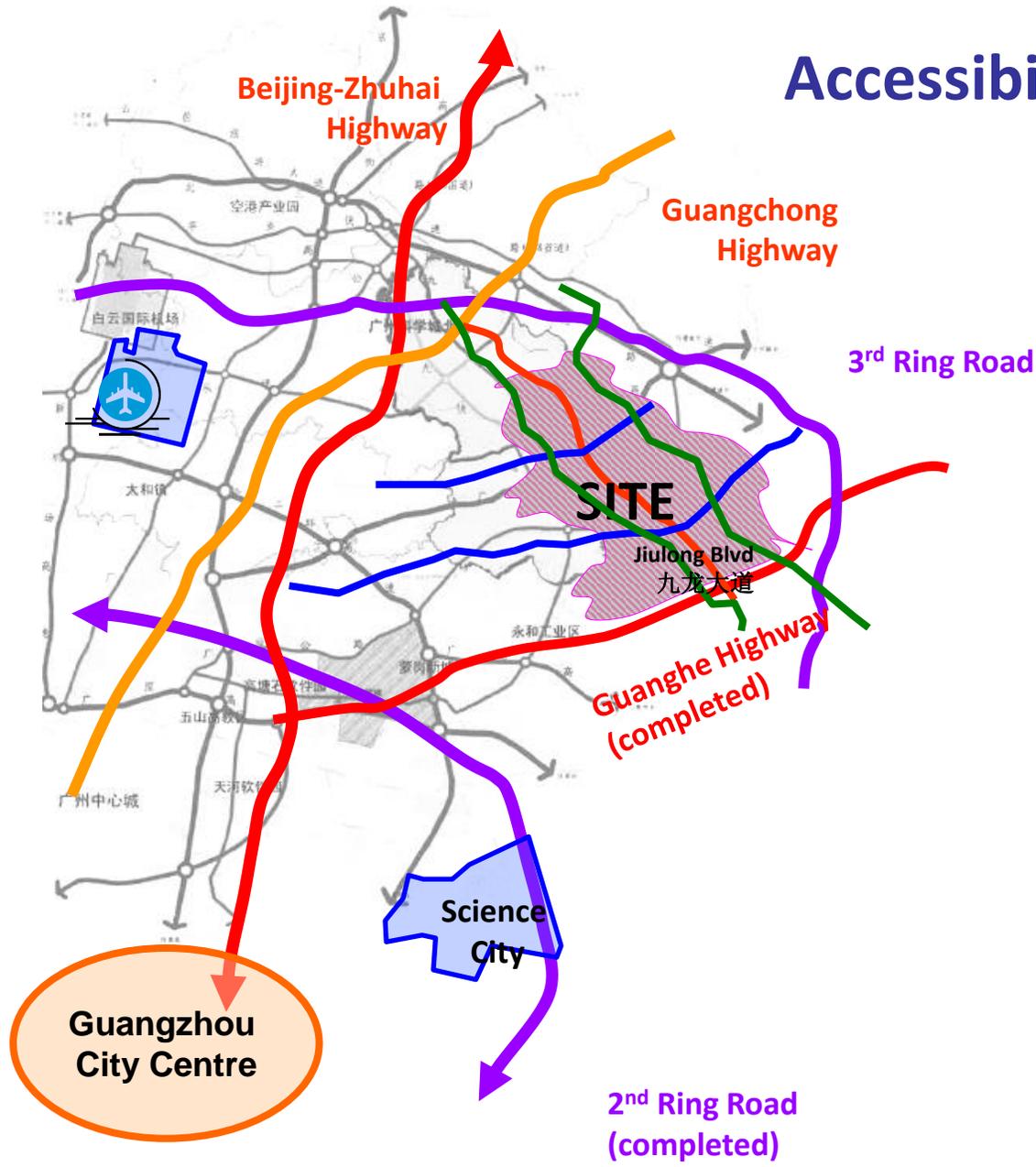
- A unique and distinctive city well-known in China and globally for its **dynamic economy and environmentally friendly living environment**
- A vibrant community where people **“live, work, learn and play”** in harmony
- Where **talent and enterprise converge** to create new innovations, ventures, high value products and services for the world



# Key Elements of a Sustainable City



# Infrastructure:



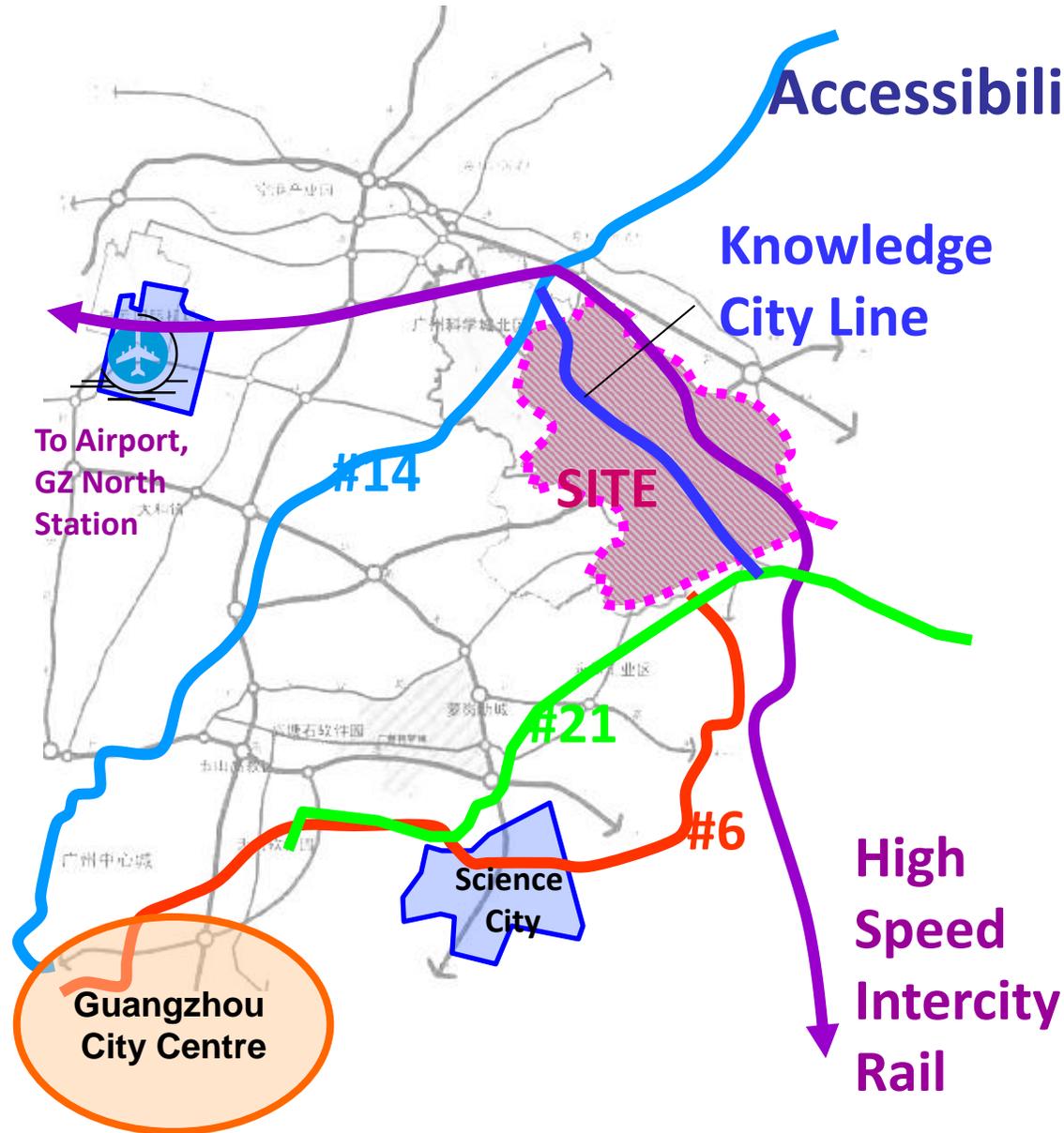
## Accessibility: *Roads & Expressways*

- Located between 2<sup>nd</sup> and 3<sup>rd</sup> Ring Road
- Accessible via Guanghe Highway

- Inter-City Highways
- City Ring Roads
- GZ Expressways



# Infrastructure:



## Accessibility: *Rail & Metro*

### 180km/h High Speed Intercity Rail

- 15 min to Baiyun International Airport
- 45 min to Shenzhen
- 1 hr to Hong Kong

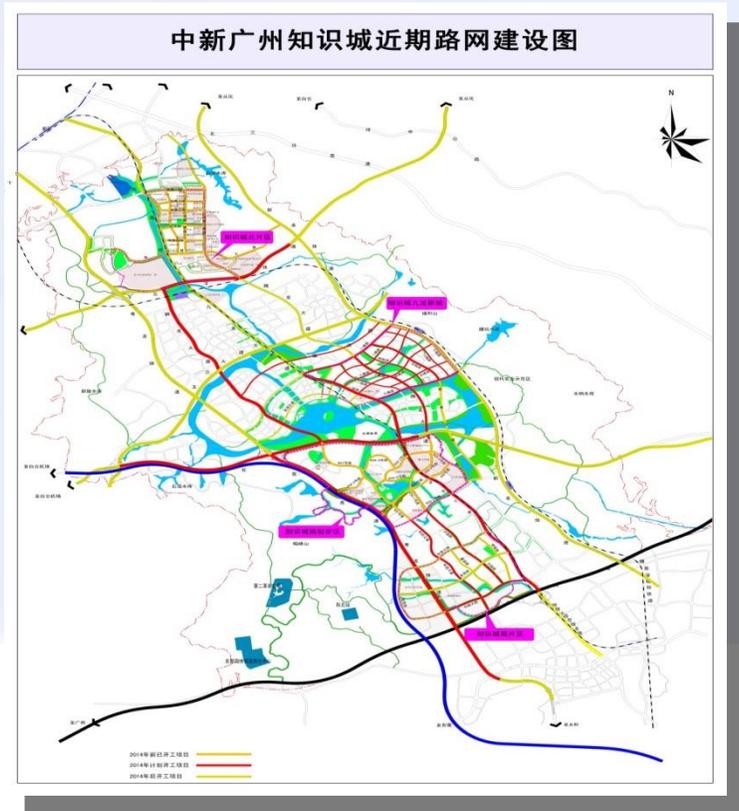
### Metro System

- Extension of Line 14 from the city centre, including dedicated Knowledge City Line
- Extension of Lines 6 and 21



# Infrastructure:

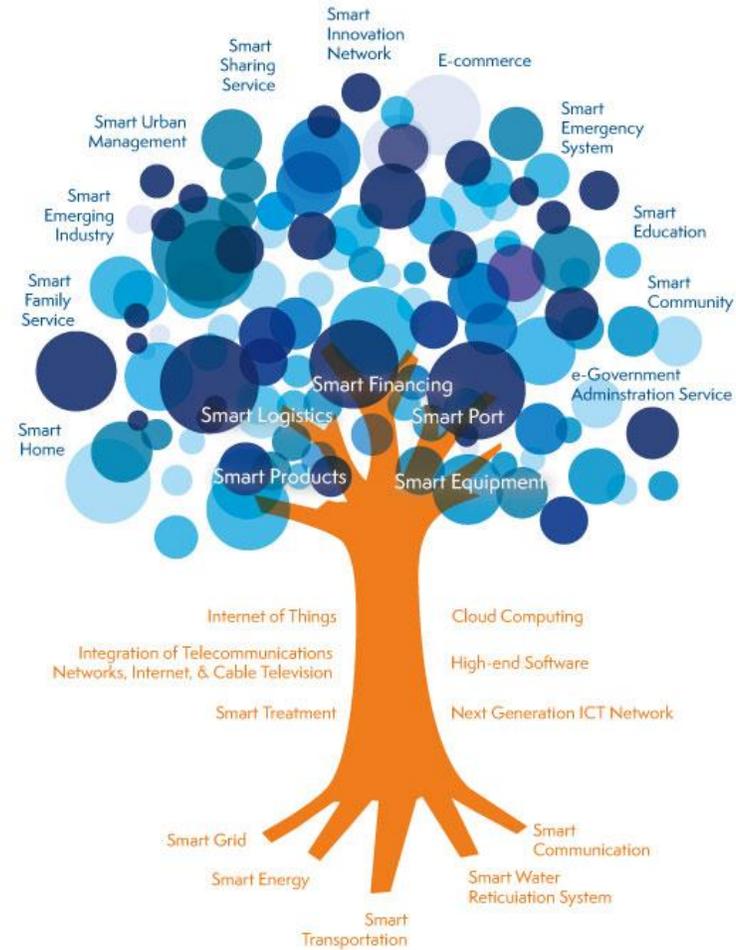
As at end 2015, a total of RMB 45.79 bil has been invested in the rail networks, resettlements, major expressways, common services tunnels, SMART & Eco City infrastructure works thereby laying down the foundation for future developments



## - Smart City *Integrated Urban Management Systems*

### Smart City Initiatives:

- First batch of State-level Smart City Pilot
- Smart City Master Plan by Singapore's IDA International
- EZ-Link – Lingnan Pass One Card
- Smart Homes - 3 Network Convergence
- e-Government, Smart School, Smart Healthcare



PHILIPS

iDA  
SINGAPORE

ida international  
A subsidiary of IDA Singapore

SIEMENS



AGT INTERNATIONAL

APORE  
LOU KNOWLEDGE CITY

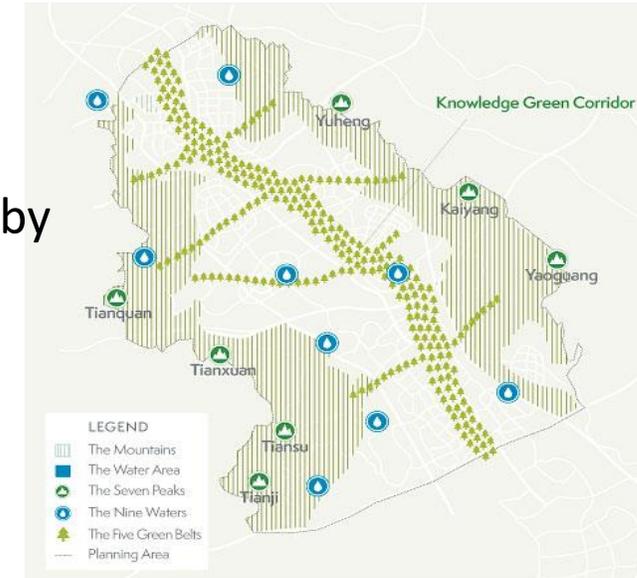
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# Infrastructure:

## - **Eco City** *Integrating Urban Planning with Sustainability Solutions*

### Eco City Initiatives

- **Eco City Master Plan**
- **‘Green Buildings/Districts Standards & Guidelines’** by Singapore’s Building and Construction Authority
- **Apply for SSGKC to be ‘State level Eco pilot city’**
- **Green Energy** – Solar Power, District Cooling
- **Green Utility Services:** Potable Water to every tap
- ✓ ***Smart Eco Technology Demo Centre***
  - Office cum exhibition centre;
  - Open platform for leading urban technology solutions



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## Learning City - *Providing the foundation for a knowledge economy*

### Learning City Initiatives

- Education Hub : Top-tier colleges and universities to conduct programs in GKC
  - Sino-Singapore International Joint Research Institute – NTU, SCUT
  - Peking University Science and Research Institute
  - Zhejiang University Southern China Research institute
  - Warwick University Collaboration
- Vocational Teachers' training, skills upgrading and learning: ITEES, Polys, etc
- Elementary Schools – Guangzhou No.2 Middle School, etc
- International Schools - HCI, Etonhouse Preschool, etc
- Lifelong learning – GKC Centre of Excellence for Software Transfer (CREST), Smart Libraries 'Learning for all, Learning for Life'



华南理工大学  
South China University of Technology



NANYANG  
TECHNOLOGICAL  
UNIVERSITY



北京大学



ITE Education Services  
Subsidiary of Institute of Technical Education  
Singapore



華僑中學  
HWA CHONG  
INSTITUTION



THE UNIVERSITY OF  
WARWICK

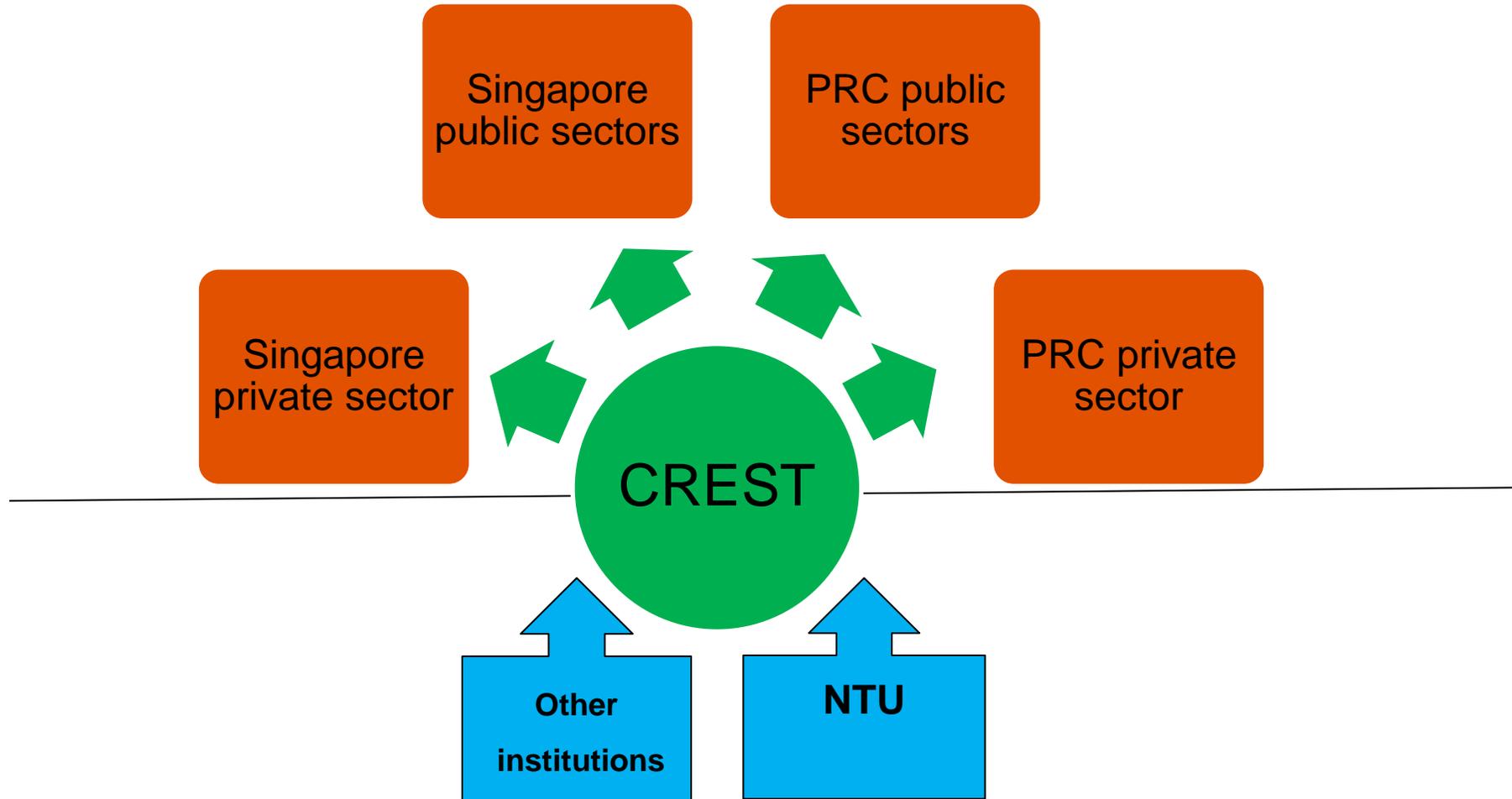


Technische Universität München

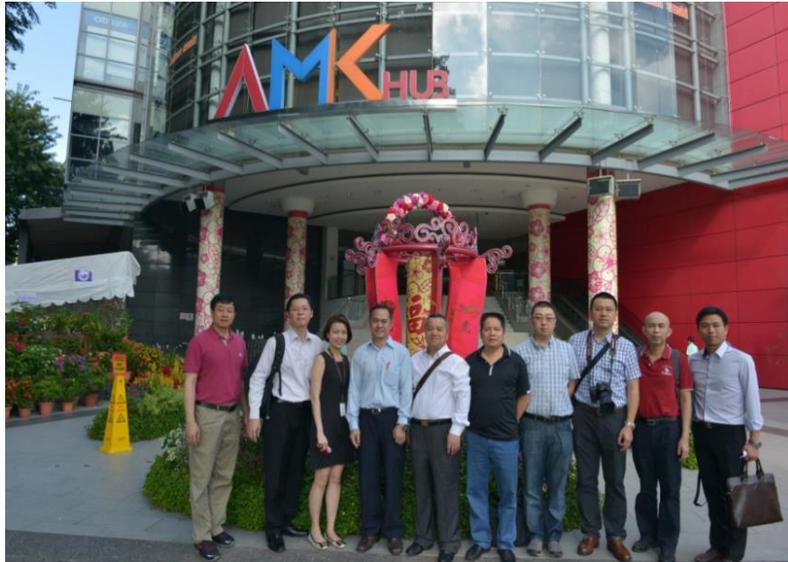


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# Talent: Centre of Excellence for Software Transfer (CREST)



# Talent: Development Programs



Study Visit to Singapore



Sino-Singapore Knowledge Forum



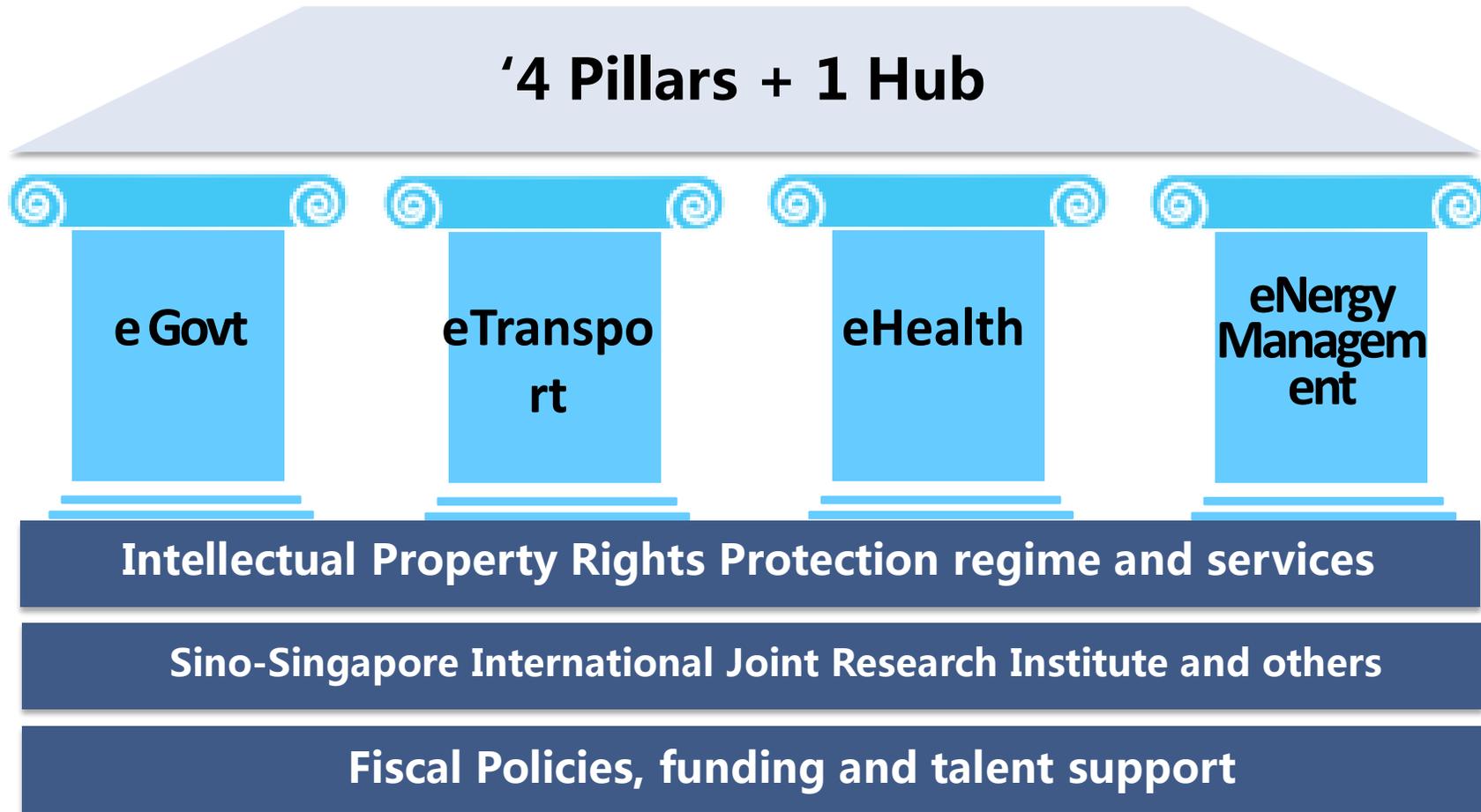
Trainings



Seminar



## An Eco-system for Industry Development



# Eco-System

## Learning – Innovation – Entrepreneurship



JRI



- Start-ups and growth companies
- Innovation and tech community

- Investments
- Liveable environment
- Market access
- Work space

**SSGKC Project**



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# Eco-system: Integrated Intellectual Property Hub

- Pilot Reform on Intellectual Property Rights Protection and IP applications.
- Leveraging the Patent Examination Cooperation Center of the Patent Office, SIPO, Guangdong, SSGKC will build an integrated IP protection and services zone focusing on IP trading, evaluation, pledge, information service, agency service, training and financing.
- **Guangzhou IP Court** set up in December 2014.
- Collaboration with IP Academy, IPOS International, SIAC, etc
- **IPOS Rep Office** at SSGKC
- **SSGKC as the pilot model site between IPOS and SIPO.**
- Services Hub for both local and foreign IP-related service agencies



Integrated Intellectual Property Hub Aerial View



Patent Examination Cooperation Center of the Patent Office, SIPO, Guangdong



# SMART LOOP



Water Feature

Centre of Excellence for  
Software Transfer +  
Smart/Eco Cluster

IP Court and IP  
Services Cluster

Water Feature

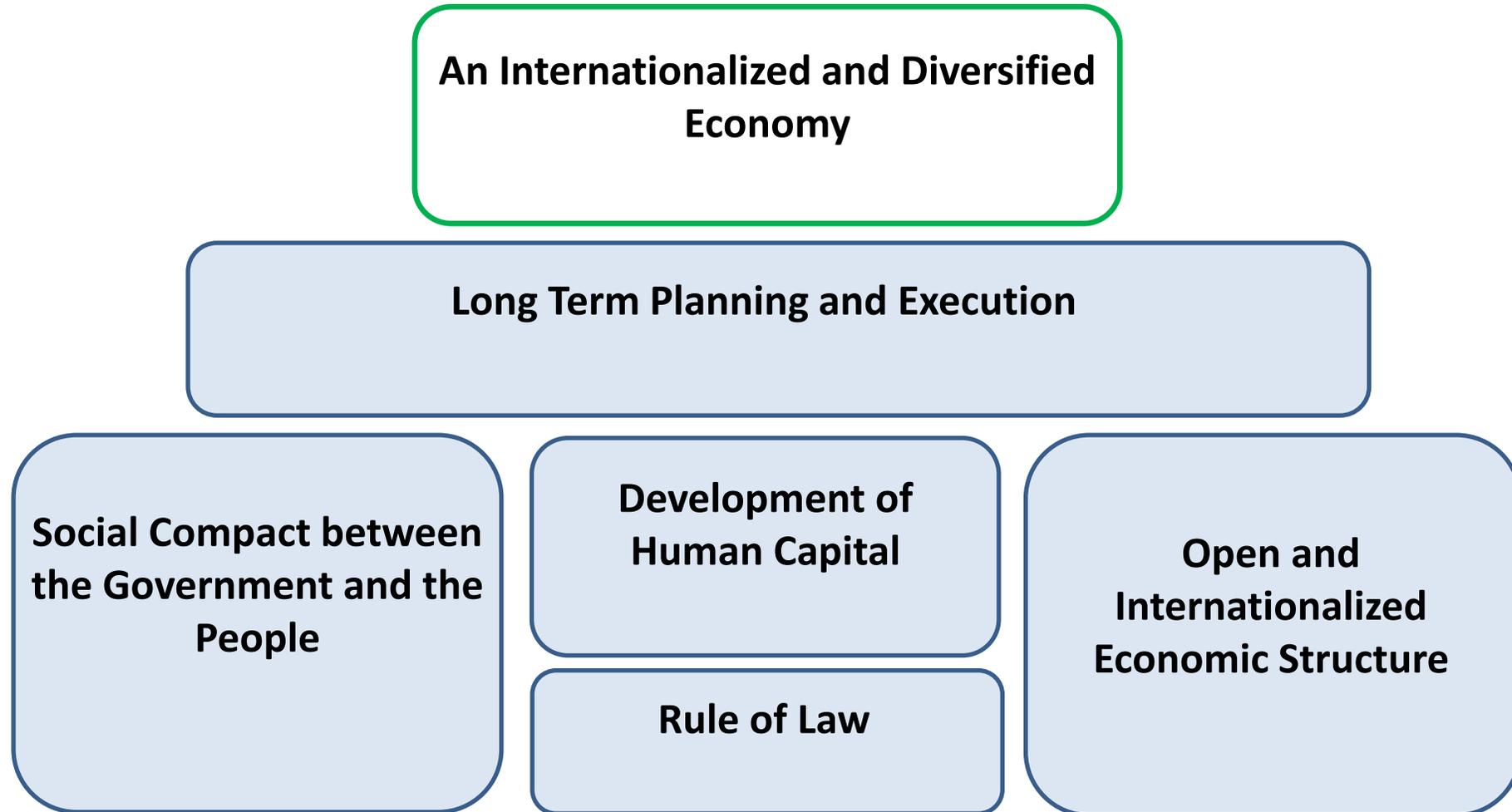
Health Cluster

Sino-Singapore  
International Joint  
Research Institute  
Cluster

Mega Neighbourhood  
Centre



# Government:



## Geographical Advantages



- SSGKC is strategically located within the *Guangzhou Eastern Scenic Region* – with best Air Quality in Guangzhou, quality Eco environment
- Centrally located, with accessible road and rail networks

# Livability:

## *Place Management: Sharing Singapore's Experience through Software Platforms*

- Annual Sino-Singapore Knowledge Forum
- Social Management Software Collaboration
- Integrated Family Services Centers
- Three-Year Talent Training Program
- Tripartite Management Software Collaboration
- Sino-Singapore Talent Development Alliance
- Sino-Singapore Youth Exchange Program between PA Youth Movement and GDD/Luogang Youth Federation



# Livability:



Community Development Activity



Volunteer Activity





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# Strategic Collaboration



# Strategic Collaboration



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# Strategic Collaboration

Building and Construction Authority



# Strategic Collaboration



北京大学



ITE Education Services  
Subsidiary of Institute of Technical Education  
Singapore



Technische Universität München



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# Software Collaboration



**SSGKC Knowledge Forum**



**Talent Training Program**

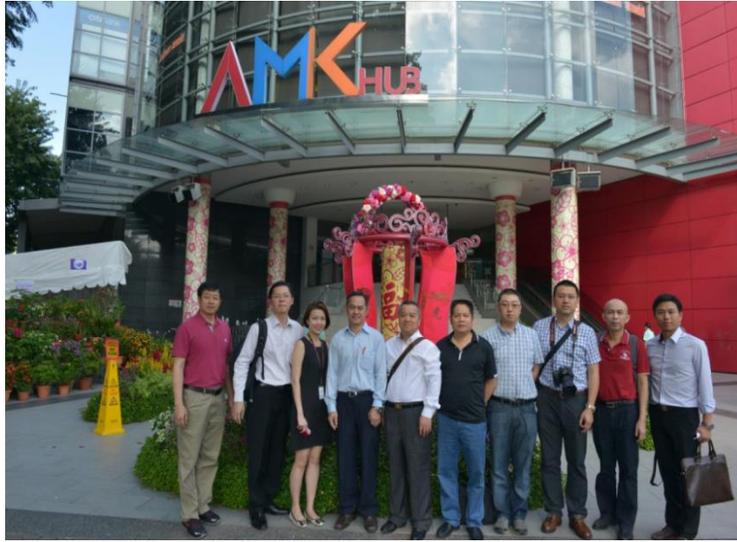


**Sino-Singapore Youth Exchange Activity**



**Community Activity at Jiulong Town**

# Software Collaboration



Study visit to hawker center management in Singapore



Community Activity at Jiulong Town



Training of SG Govt-Linked Co's Management Model



Seminar conducted for Guangzhou Committee for Social Affairs

# Summary: SSGKC as a Sustainable City



RECRUITMENT  
PROGRAM OF GLOBAL EXPERTS



<p>1</p> 	<p>Talent</p>	<ul style="list-style-type: none"> <li>• Education : schools, institutions (HCI, NTU, SCUT, TUM)</li> <li>• Talent attraction policies ('1000 Talent Plan')</li> <li>• Talent Development/Upgrading platform - CREST</li> </ul>
<p>2</p> 	<p>Liveability</p>	<ul style="list-style-type: none"> <li>• Commercial establishment (NCs), connectivity, parks</li> <li>• Convenience- banks, post office, convenient shops etc</li> <li>• Affordable housing price, conducive factors</li> </ul>
<p>3</p> 	<p>Eco-System</p>	<ul style="list-style-type: none"> <li>• Research institutes, eg JRI</li> <li>• R&amp;D Labs</li> <li>• Queen bee &amp; upper/lower stream industries</li> </ul>
<p>4</p> 	<p>Built Environment</p>	<ul style="list-style-type: none"> <li>• Infrastructure (1R3W)</li> <li>• Transport</li> <li>• Connectors</li> </ul>
<p>5</p> 	<p>Government</p>	<ul style="list-style-type: none"> <li>• KCAC delegations</li> <li>• Industry related policies</li> <li>• Financial innovations</li> </ul>

Source: BCG



# Welcome to SSGKC



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