Collaboration in the Greater Bay Area - EMSD's Perspective Ir Harry LAI Electrical & Mechanical Services Department HKSAR Government Outline Development Plan for the Guangdong-Hong Kong-Macao Greater Bay Area (GBA)





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Released by the State Council on 18 Feb 2019

- **Basic Principles**
- 1. To be driven by innovation and led by reform
- 2. To coordinate development and plan holistically
- 3. To pursue green development and ecological conservation
- 4. To open up, cooperate and achieve a win-win outcome
- 5. To share the benefits of development and improve people's livelihood
- 6. To adhere to "One Country, Two Systems" and act in accordance with the law



Outline Development Plan for the EMSD END Guangdong-Hong Kong-Macao GBA

Areas of Development

- 1. Developing an international innovation and technology hub
- 2. Expediting infrastructural connectivity
- 3. Building globally competitive modern industrial system
- 4. Taking forward ecological conservation
- 5. Developing quality living circle for living, working and travelling
- 6. Strengthen cooperation and jointly participating in the Belt and Road Initiative
- 7. Jointly developing Guangdong-Hong Kong-Macao cooperation platforms

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"The Hong Kong SAR Government will fully seize the opportunities brought about by the development of the Greater Bay Area, integrate the needs of the country with the strengths of Hong Kong and fully leverage the market-driven mechanism, enabling Hong Kong to enjoy brighter development prospects amid its integration into the overall development of the country."



Development Focus of Hong Kong

AFRICA

One of the four cores cities of the GBA

 fortuitous geographic advantage and a world city leveraging on the Mainland while engaging the world

Unique advantages in the GBA

- international city in the GBA
- free economic system
- well-established information technology infrastructure and financial system





Key Development Focus

Hong Kong

- international financial centre
- global offshore RMB business hub
- innovation and technology industries
- center for international legal and dispute resolution services



Electrical & Mechanical Services Department (EMSD)



To provide E&M services for enhancing the safety and quality of life of Hong Kong



Regulatory Services

Around 500 staff



Around 4 500 staff





Electrical & Mechanical Services Department (EMSD)



Regulatory Services

Enforcing legislation related to electrical, gas, mechanical and railway safety, and promoting energy efficiency and conservation



- Enforcing 15 pieces of legislation under 5 policy bureaux
- Regulating relevant trades and registration of practitioners
- Implementing various schemes under new government initiatives
- Conducting promotion and public education activities

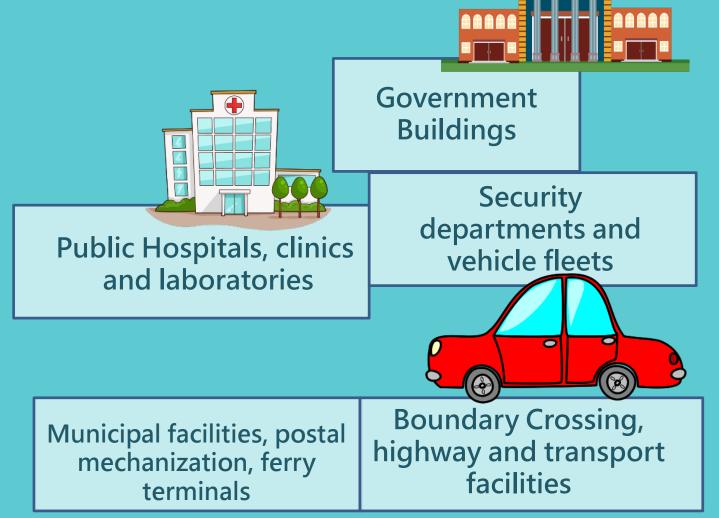
EMSD



Trading Services

- Providing one-stop comprehensive professional and quality E&M engineering services for more than 100 government departments and public bodies
- Managing over 10,000 government premises and E&M facilities





- Project management and consultancy services
- Government vehicle servicing and procurement services





Collaboration in the GBA - EMSD's perspective



Energy Efficiency & Conservation Innovation & Technology



Initiatives in the GBA Development – E&M Talent Development





Initiatives in the GBA Development – E&M Talent Development

Signing Memoranda of Co-operation (MoC) on E&M Talent Development





Memorandum of Cooperation with Guangzhou Industry and Trade Technology College signed on 1 June 2018 Memorandum of Cooperation with Guangzhou Municipal Human Resources and Social Security Bureau signed on 6 November 2018

Initiatives in the GBA Development – E&M Talent Development

Under the MoC, we are

- Iiaising with international organisations
- establishing WorldSkills Training Centre
- participating in WorldSkills Competition







機電工程署 EMSD

Initiatives in the GBA Development Remote Lense Lense

Looking forward, we are going to

- organise Guangdong-Hong Kong I&T Competition
- advocate establishment of E&M Talent Training and Development Base
- conduct joint training programmes for participating in WorldSkills Competition



Initiatives in the GBA Development - Energy Efficiency & Conservation



Initiatives in the GBA Development Energy Efficiency & Conservation

- Promoting retro-commissioning in government and commercial buildings
- Publishing technical guidelines
- Conducting experience sharing and training



A Shared Problem

"Most buildings will lose up to 30% of their efficiency in the first three years of operation."

> – Bill Harrison, ASHRAE Presidential Member (Data based on Texas A&M Study)





Technical Guidelines on Retro-commissioning







Initiatives in the GBA Development – Energy Efficiency & Conservation





Signing Memorandum of Co-operation with various organisations in Mainland, Hong Kong and Macau on 15 Nov 2018

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Initiatives in the GBA Development – Energy Efficiency & Conservation

• Set out development directions



Technical Task Force



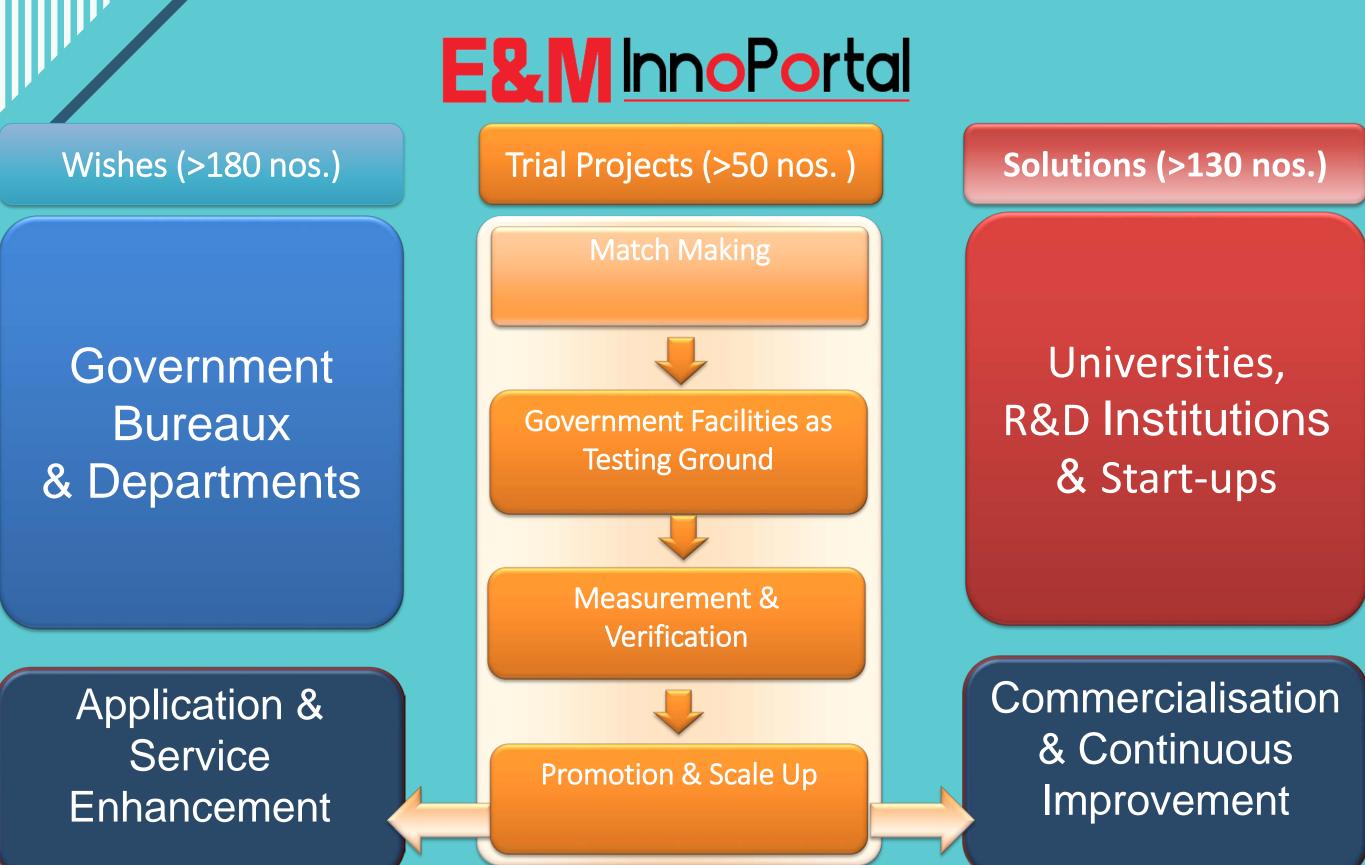
Manpower Task Force



Promotion Task Force

Establish three working task forces

Initiatives in the GBA Development – Innovation & Technology



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EMSD

Initiatives in the GBA Development – Innovation & Technology

Memorandum of Co-operation signed with 5 universities and 7 R&D institutions



Initiatives in the GBA Development – Innovation & Technology

Memorandum of Co-operation signed with GBA I&T counterparts







Guangdong Provincial Association for Science and Technology Guangdong Productivity Centre

Guangdong Academy of Sciences



Co-creating the GBA Cities as an International I&T Hub







Way Forward

- Collaborate closely with GBA counterparts for E&M talent development
- Promote energy efficiency & conservation, including retro-commissioning, for GBA green development and ecological conservation
- Co-create GBA cities' cluster into an international innovation & technology hub

Thank you

We have all

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