

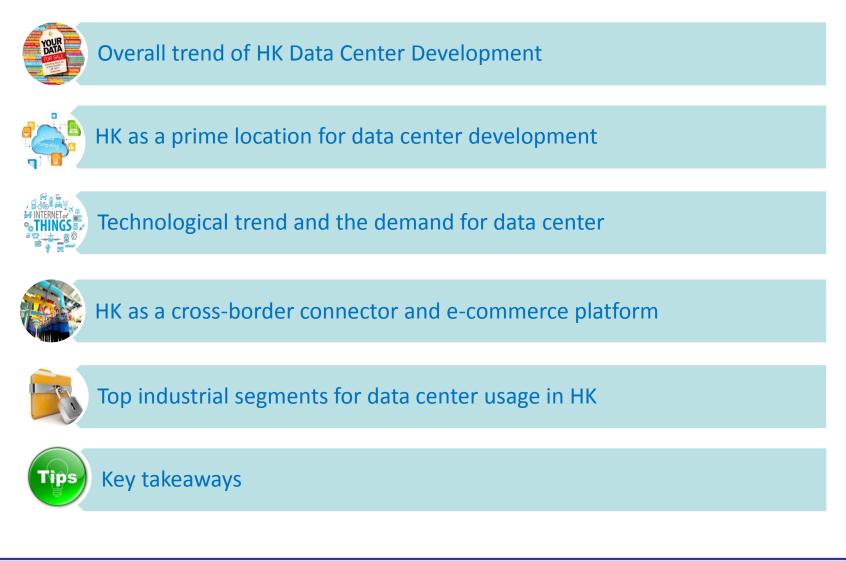




Data Center Development Trend in Hong Kong 3-12-2014





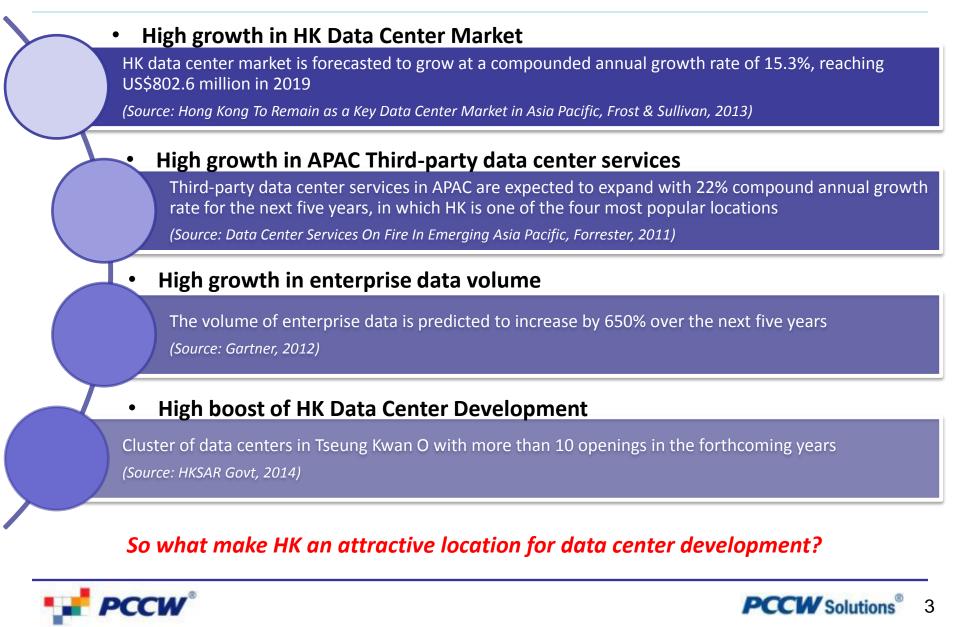






Overall trend of HK Data Center Development





Hong Kong – Premium Data Center Environment



Competitive edges of Hong Kong		2013 Rank	Index score 1 st = 100	Country	Energy Cost	INT'L Band- width	Ease of doing business
Ranked 6 th overall in global	Leading position in APAC	1	100.00	US	3	1	3
		2	89.53	UK	21	2	5
Safest location in Asia for setting up data centers	Increasing demand for data center usage	3	82.29	SWEDEN	15	10	10
		4	81.29	GERMANY	19	4	15
		5	81.16	CANADA	4	11	13
Comparative advantages in 'International bandwidth' and 'Ease of doing business'		6	79.63	НК	27	3	2
		7	79.47	ICELAND	8	29	11

Source: Data Center Risk Index 2013, C&W, May'13





Hong Kong – as an ideal regional data center hub **Powerb@se**[®]

H.K.

Advantages for HK to be as a Data Center Hub

Governmental & Legal

- Favorable land policies for ICT development
- Example: Conversion of industrial buildings for data centers
- Common law legal system

Geographical

- Low risk to natural disasters
- Proximity to Mainland China facilitates cross-boarder data flows
- Regional hub in APAC

Commercial & Solutions

- Free trade & free market
- Abundant supply of IT talents
- Open to foreign investment
- Stable electricity supply
- Mature data center solutions

Infrastructural

- Robust telecommunications with global connectivity
- Power supply reliability at 99.999%



Effective data protection system

- The Personal Data (Privacy) Ordinance (PDPO) ensures data protection and safeguards the free flow of personal data to Hong Kong from countries that have already implemented data protection laws without restrictions
 - Free flow of information means less government interference and content censorship, which helps to maintain the completeness of business data
- The Electronic Transactions Ordinance provides a clear legal framework for the conduct of secure e-business, in which e-business is one of the major applications of data center operations

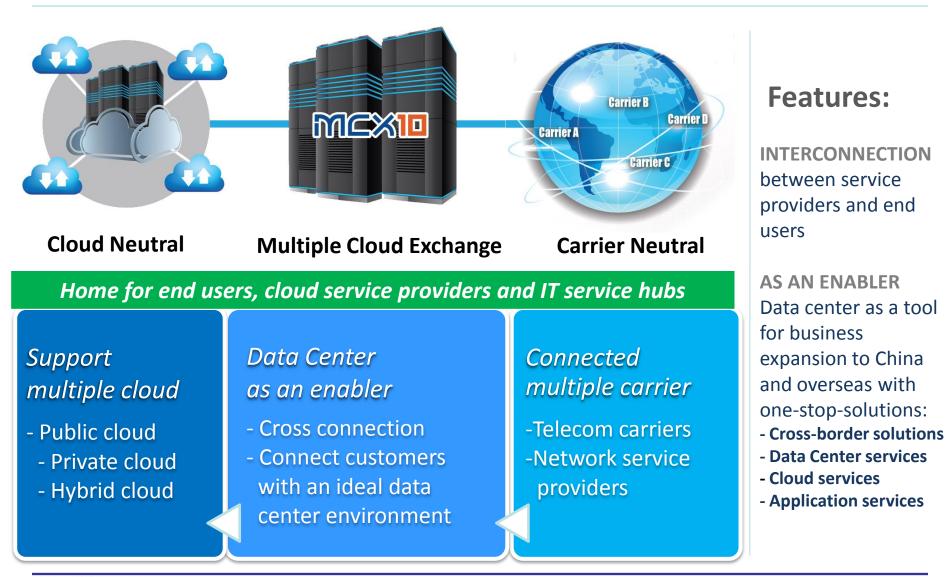
(Source: Office of the Government Chief Information Officer)





Data Center as an Enabler and a Cloud Hub



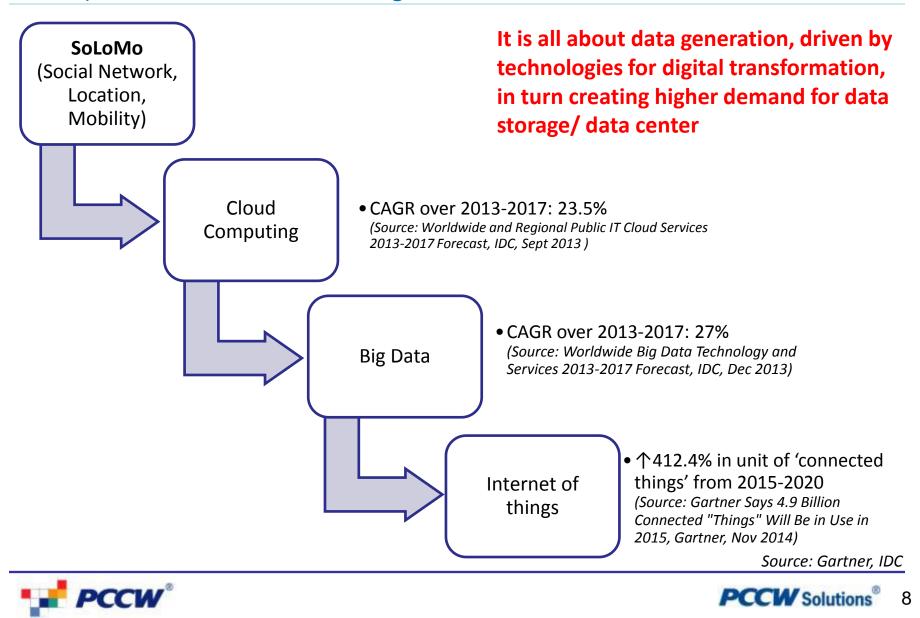


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Digital Transformation – as key driver for data center growth







Cross-border Data Center Infrastructure & Inter-connectivity



Multiple Data Centers in Different Locations Multiple Local & Remote Disaster Recovery Sites Cross-border & Inner China Dedicated & VPN Connection with Resilience

World \leftrightarrow Hong Kong \leftrightarrow China

• Hong Kong as a gateway connecting overseas and China

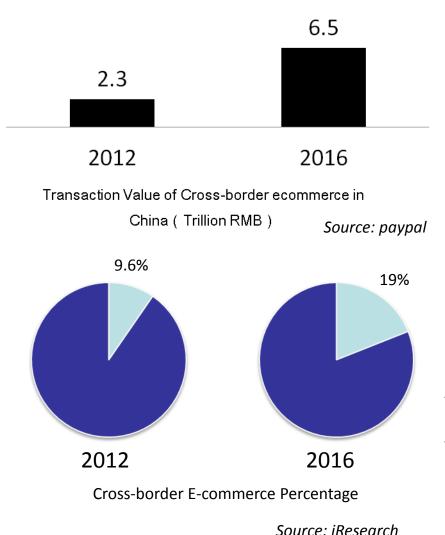
- ♦ In-flow (Overseas \rightarrow China)
- Out-flow (China \rightarrow Overseas)
- Data center as an enabler for business in-and-out in China





Application on E-commerce (PRC-HK)







2014 Example of e-commerce in PRC

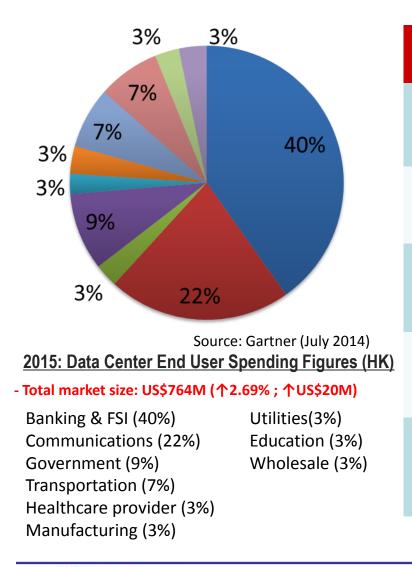
- Total GMV settled through Alipay was RMB 57.1B
- Total mobile GMV settled through Alipay was approximately RMB 24.3B, 42.6% of total GMV

Source: Nasdaq



Data Center Growth – User spending by industry (Hong Kong Market)





Rank	Segments	Data Center spending	Growth rate
1 st	BFSI	US\$307M	个3.76%
2 nd	СМТ	US\$165M	个2.48%
3 rd	Government	US\$70M	个2.94%
4 th	Travel & transportation	US\$56M	个3.70%
5 th	Retail	US\$55M	个0.00%





Trend for BFSI industry

- Increasing use of online platform by retail banks
- High number of transactions is shifting from branches to online banking
- Online Banking investment will get high level of attention
 - 6.4% growth in 2014, reaching US\$10 billion
- Online banking investment in mobile
 - 6.8% growth rate in 2014, reaching US\$3.9 billion

(Source: Retail banking IT spending to hit US\$152.5bn by 2018 in reaction to consumer strength, Ovum, March 2014)

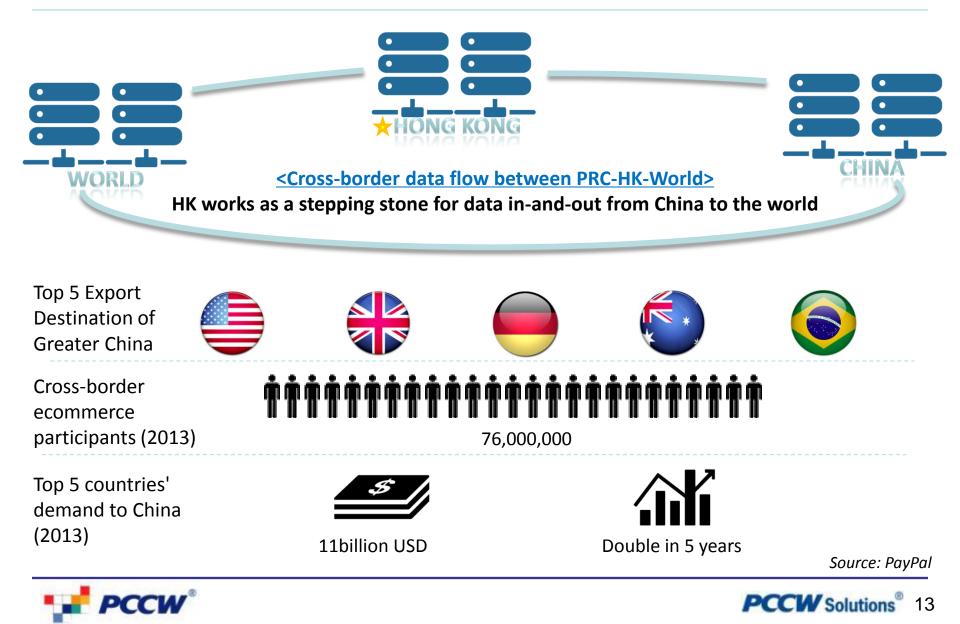
Online banking and mobile banking creates a strong demand for Data center





Application on E-commerce (PRC-HK-World)

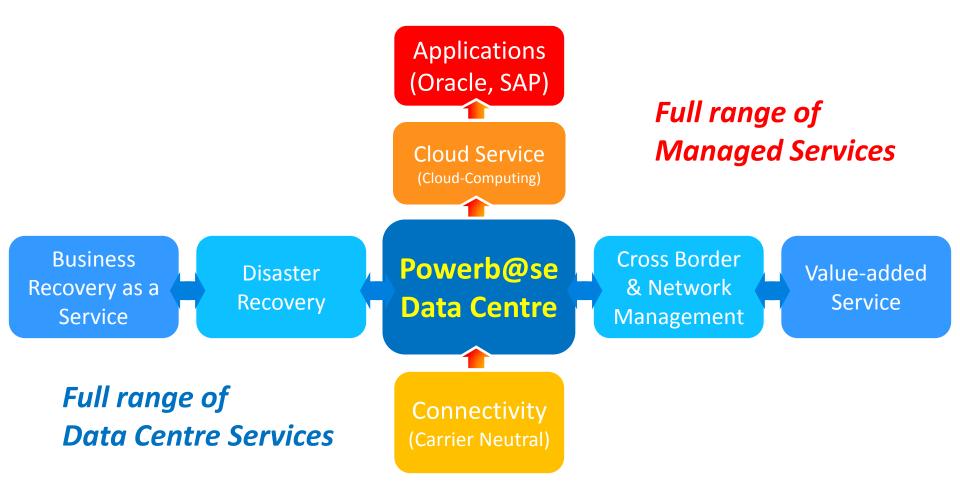




ITIL model-based Data Center Services



Comprehensive service offerings with full IT solution portfolio

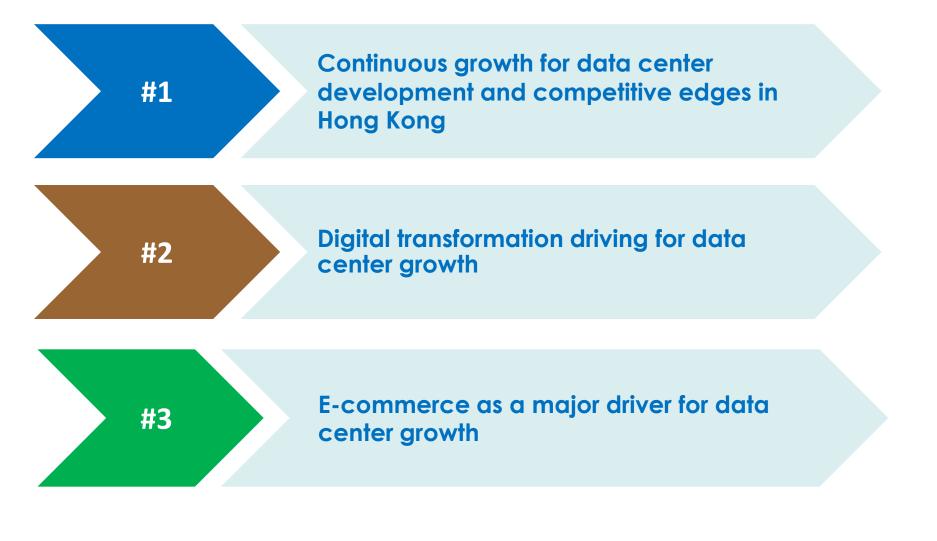




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Key takeaways







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