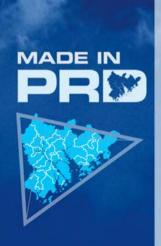


Presented by
Prof Y C Richard Wong

Deputy Vice-Chancellor, The University of Hong Kong

19th April 2007



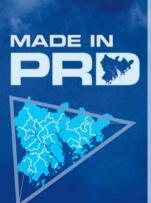
Rise of China

- China's economy has continued to grow at a rapid rate since 1978
- No signs of abatement with an average annual real GDP growth rate of 9.8% since 2000 (2006 GDP growth: 10.7%)
- Consumer price inflation averaged 1.36% since 2000
- The world's fourth-largest economy in 2005 (just behind US, Japan and Germany)
- The world's third largest exporter in 2005 (the largest exporter of Information Technology Goods in 2004 & 2005)
- > The world's third largest R&D expenditure (2004)
- The world's largest holder of foreign exchange reserves in 2006
- Two of most vibrant economic regions in China
 - The Pearl River Delta (PRD)
 - The Yangtze River Delta (YRD)

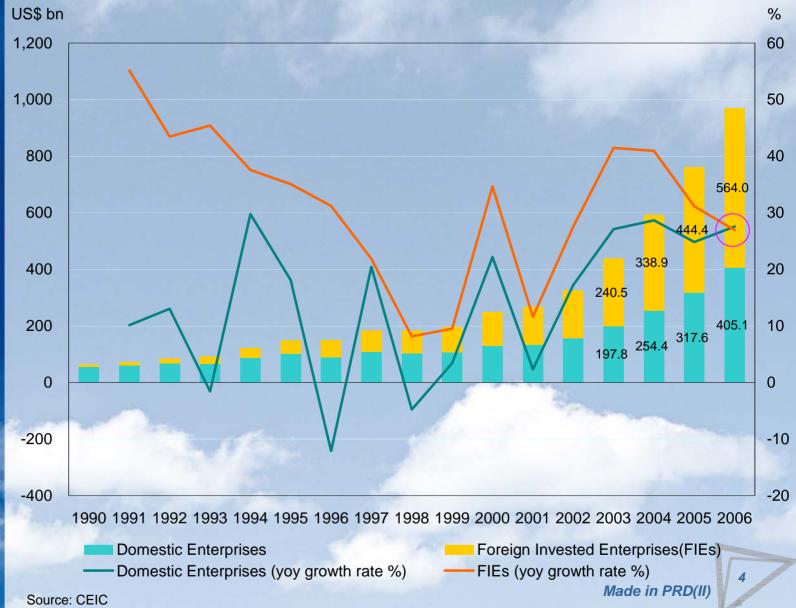


China's economy has continued to grow at a rapid rate since 1978





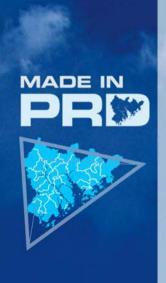
Foreign Invested Enterprises (FIEs) have played an important role in China's trade performance





Two of Most Vibrant Economic Regions in China Greater PRD (Guangdong) and Greater YRD

- > 4.1% of total land area of China
- > 18.4% of total population of China in 2005
- > 40% of total nominal GDP in 2005
- > 55% of total FDI in 2005
- > 75% of total exports from Foreign Invested Enterprises (FIEs) in 2005
- > 85% of total exports in 2005
- > 105% of the overall trade surplus in 2005



Greater Pearl River Delta (PRD) region Guangdong, Hong Kong and Macao



	Hong Kong	Macao	Guangdong	Greater PRD Economic Region
Area (sq km)	1,104	25.8	179,757	180,887
Population (mn)*	6.97	0.49	91.94	99.40
GDP (USD bn)*	177.76	11.56	273.00	462.5
GDP per capita (USD)*	25,629	23,678	2,970	4,653

*Figures in 2005

Made in PRD(II)

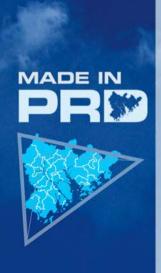


Greater Yangtze River Delta (YRD) Economic Region Shanghai, Jiangsu and Zhejiang



	Shanghai	Jiangsu	Zhejiang	Greater YRD Economic Region
Area (sq km)	6,300	102,600	103,636	212,536
Population (mn)*	17.78	74.75	48.94	141.47
GDP (USD bn)*	111.7	223.4	164.0	499.1
GDP per capita (USD)*	6,283	2,989	3,351	3,528 7
				iviade in PRD(ii) 🕷 🥒

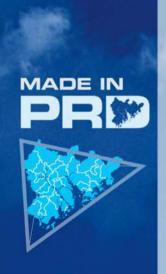
*Figures in 2005



Hong Kong vs Shanghai Greater PRD vs Greater YRD(2005)

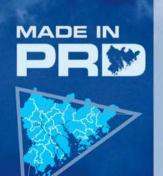
	Hong Kong	Shanghai	Greater PRD	Greater YRD		
Nominal GDP (USD bn)	177.9	111.7	462.5	499.1		
Industry	6.4%	45.1%	30.3%	48.4%		
Services	90.6%	50.5%	60.9%	40.3%		
Estimates of Exports Destined to and Retained Imports from Areas other than Hong Kong, Macao, or the Mainland						
Estimated Total Trade (USD bn)	123.6	176.7	463.9	493.7		
Estimated Exports (USD bn)	51.0	82.2	206.0	265.5		
Estimated Retained Imports (USD bn)	72.6	94.5	257.8	228.2		
FDI (USD bn)	35.9	6.9	49.6	27.8		
Estimated FDI, originated from areas other than HK, Macao or Mainland China	27.5	6.0	34.4	19.9		
Deposits in Banks (USD bn)	523.2	284.6	1,004.9	810.8		
Loans to Deposits Ratio %	56.8%	72.0%	58.4%	74.2%		

Source: CEIC. Other figures are from Guangdong, Jiangsu, Shanghai, Zhejiang Statistical Reports 2005, HKSAR Census and Statistics Department, Macao SAR Statistics and Census Bureau

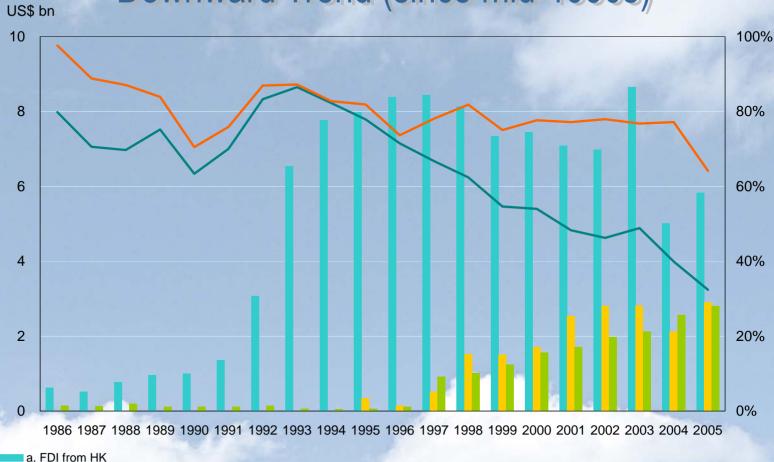


Hong Kong

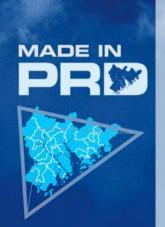
- the Single Largest Source of FDI in China
- The single largest source of foreign direct investment (FDI) in Guangdong, Shanghai, Jiangsu and Zhejiang
- > 65% or US\$105.4 billion of total cumulative FDI invested in Guangdong as at the end of 2005
- > 31% or US\$61 billion of total cumulative FDI invested in Greater YRD during 1992-2005



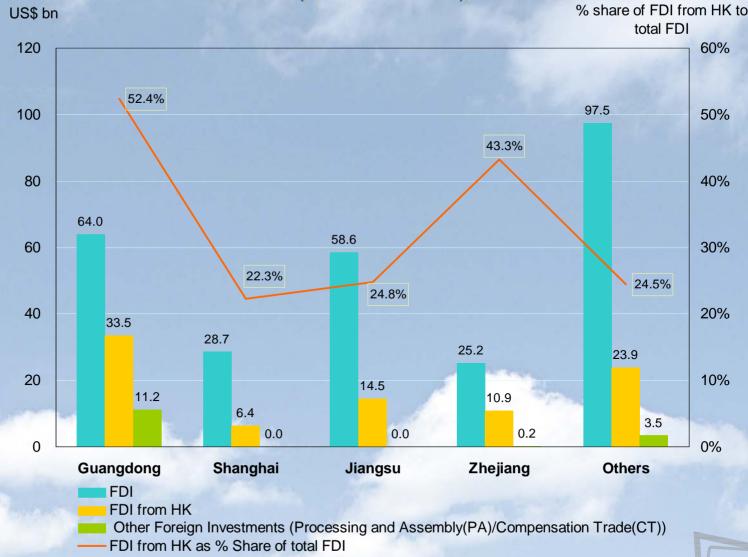
FDI from Hong Kong in Guangdong - Downward Trend (since mid-1990s)



- b. FDI from Major Tax Haven Countries(BVI, Cayman Islands, Bermuda, Bahamas and Western Samoa)
- c. Other Foreign Investment (Processing and Assembly(PA)/Compensation Trade(CT))
- FDI from HK as a % of Guangdong's Total FDI plus other foreign investments
- —FDI from HK and Tax Haven Economies plus other foreign investment as % of Guangdong's Total FDI plus Other Foreign Investment



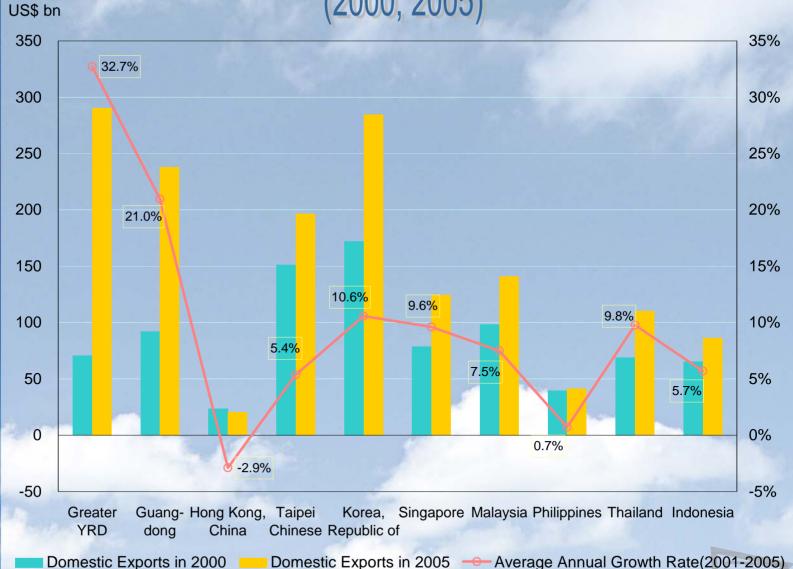
Hong Kong – the single largest source of FDI into Guangdong, Shanghai, Jiangsu and Zhejiang (2001-2005)



Source: Guangdong Statistical Yearbooks, Shanghai Statistical Yearbooks, Jiangsu Statistical Yearbooks, Zhejiang Statistical Yearbooks, China Statistical Yearbooks

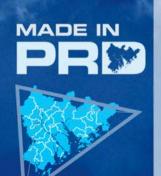
MADE IN

Domestic Exports of Selected Asian Economies (2000, 2005)



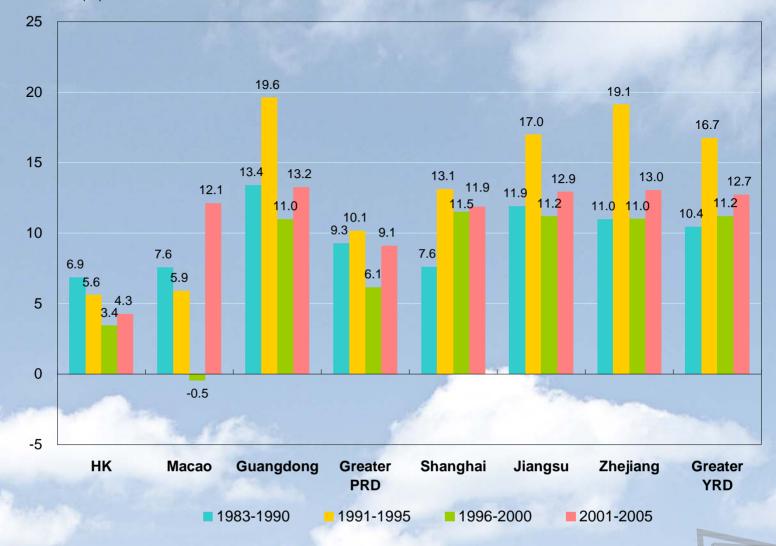
Made in PRD(II)

Source: World Trade Organization



Greater PRD and Greater YRD Real GDP Growth

Average Annual Growth Rate (%)

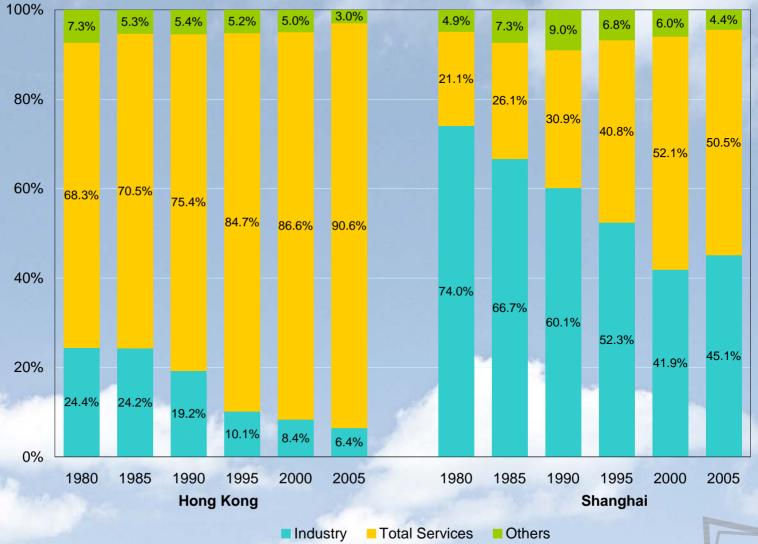


Source: CEIC, Guangdong Statistical Yearbooks, Shanghai Statistical Yearbooks, Jiangsu Statistical Yearbooks, Zhejiang Statistical Yearbooks, China Statistical Yearbooks, Macao SAR Statistics and Census Bureau

Made in PRD(II)



Hong Kong and Shanghai Industry and Total Services as % of Nominal GDP (1980-2005)

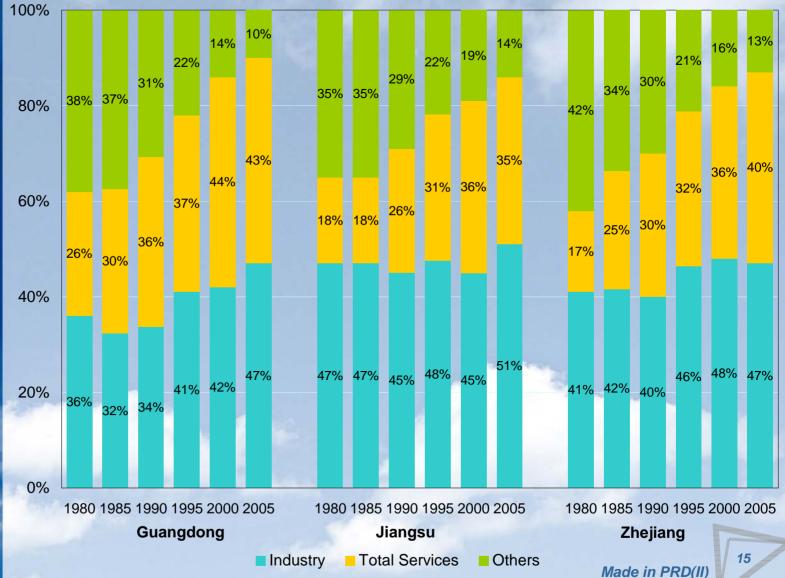


Source: CEIC and Shanghai Statistical Yearbook 2006

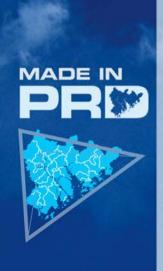
Made in PRD(II)



Guangdong, Jiangsu and Zhejiang Industry and Total Services as % of Nominal GDP (1980-2005)



Source: Guangdong Statistical Yearbook 2006, Jiangsu Statistical Yearbook 2006, Zhejiang Statistical Yearbook 2006

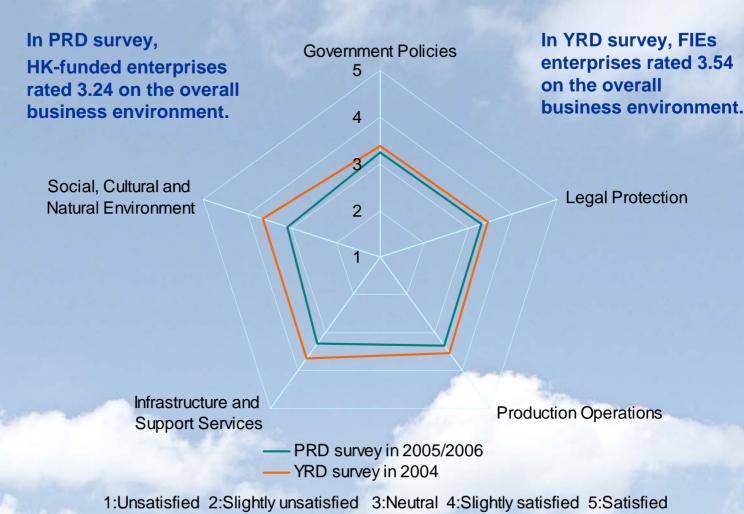


Greater PRD and Greater YRD

- In 2001-2005, the average annual growth rate of exports from FIEs in Greater YRD was 40%, and that in Guangdong was 25.6% (In 2006, Greater YRD: 29.4%; Guangdong: 26.8%)
- The Greater YRD has overtaken Greater PRD in GDP term since 2004
- A lot of inland talent was attracted to working in Guangdong because of its rapid economic development in the 1990s
- During 2001-2005, the Greater YRD experienced Guangdong's explosive development mode from 1990s – attracting foreign investment, increasing export volume, attracting a population tertiary education
- Hong Kong Investors have gradually moved away from Guangdong to other areas around the country to seek the most favorable business opportunities



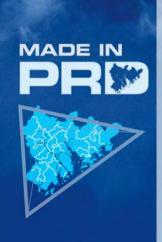
Business Environments - Evaluating five aspects the YRD was slightly better than the PRD





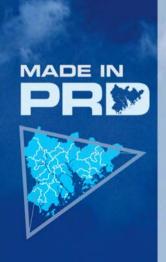
Business Environment PRD(2005/06) vs YRD(2004)

- > The ratings of the PRD and the YRD showed little difference in government policies and legal protection
- > But it showed bigger difference in infrastructure & support services and social, cultural & natural environment
- Cities in the PRD had the lowest ratings in social, cultural and natural environment, especially in social security, living convenience and comfort, and the quality of living environment



Hong Kong Producer Services

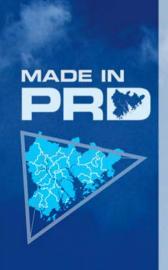
- > Hong Kong's position as an international city has supported both Mainland and multinational enterprises that were looking for a platform to stage their regional and even global operation
- > Hong Kong(2006) 1,228 regional headquarters, 2,509 regional offices, 2,509 local office
- > About 87% of the regional headquarters managed business in Mainland China, of which about 72% were businesses in Guangdong
- > The proportion of Hong Kong residents working in the Mainland to total employed persons was 7.6% in 2004. More than 80% of them were professionals or manager staff and worked in Guangdong



Rising Support of HK Producer Services to the Mainland

	1980	1985	1990	1995	2000	2005
	Share % of Real GDP					
Manufacturing	14.6%	13.5%	14.0%	8.7%	5.4%	3.3%
Total Services	79.3%	79.5%	78.5%	83.6%	86.6%	90.8%
Producer Services	36.1%	31.6%	34.7%	41.7%	45.8%	52.8%
Consumer Services	34.9%	38.4%	35.9%	33.6%	33.3%	31.4%
Government Services	8.3%	9.6%	7.9%	8.3%	7.6%	6.6%
Others	6.1%	6.9%	7.5%	7.8%	8.0%	5.9%

Source: CEIC; Y.C.R. Wong, Z. Tao and C.S. Chan, "An Economic Study of Hong Kong's Producer Service Sector and its Role in Supporting Manufacturing", Industrial Support Fund, May 2000; and Z. Tao and Y.C.R. Wong, "Hong Kong: From an Industrialized City to a Center of Manufacturing-Related Services", Urban Studies, vol. 39, no.12, 2002, pp. 2345-2358.

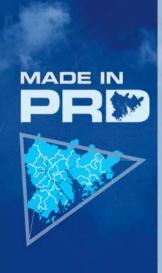


Guangdong One of the Most Dynamic Manufacturing Bases

	China			Guangdong		
			Average Annual Growth Rate %			Average Annual Growth Rate %
	2000	2005	2001-2005	2000	2005	2001-2005
GDP						
at current price (RMB billion)	9,800	18,396	13.4	1,074	2,237	15.8
at comparable price (1978=100)	751	1,204	9.9	1,738	3,238	13.2
Value Added of Industry						
at current price (RMB billion)	4,003	7,691	14.0	446	1,048	18.6
at comparable price (1978=100)	1,119	1,879	10.9	3,423	7,371	16.6
GDP Per Capita (RMB)	7,858	14,040	12.3	12,418	24,327	14.4
GDP Per Capita (USD)	949	1,714	12.5	1,500	2,970	14.6
Exports (US\$ billion)	249.2	762.0	25.0	91.2	238.2	21.2
FDI (US\$ billion)	40.7	72.4	12.2	12.2	12.4	0.2

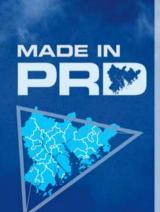
Made in PRD(II)

Source: China Statistical Yearbooks and Guangdong Statistical Yearbooks



The most vibrant economic region in Guangdong is the PRD Economic Zone

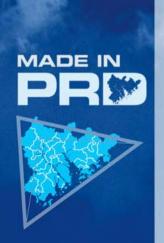




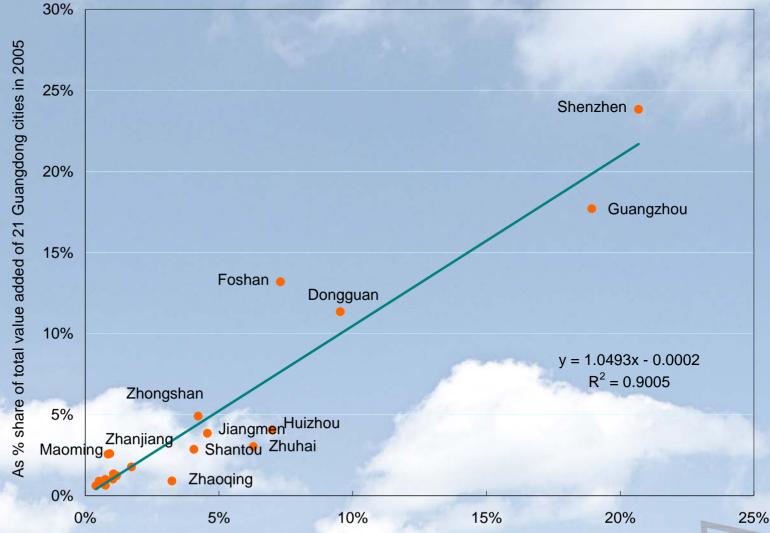
Major Economic Indicators in Hong Kong, Macao and the nine cities of PRD (2005)

-		Area (sq km)	Population (Mn persons)	Nominal GDP (USD bn)	GDP per Capita (USD)
Hong Kong	2-17-17-5	1,104	6.97	177.9	25,629
Macao		26	0.49	11.6	23,678
Guangdong		179,757	91.94	272.9	2,970
PRD		54,743	45.47	222.6	4,896
Eastern PRD	Shenzhen	1,953	8.28	60.4	7,299
	Dongguan	2,465	6.56	26.6	4,058
	Huizhou	11,158	3.71	9.8	2,645
Central PRD	Guangzhou	7,434	9.50	62.9	6,623
Western PRD	Zhuhai	1,688	1.42	7.7	5,473
	Zhongshan	1,800	2.43	10.7	4,412
	Jiangmen	9,541	4.10	9.8	2,395
	Foshan	3,848	5.80	29.1	5,014
	Zhaoqing	14,856	3.68	5.5	1,496
Other cities in	Guangdong	125,014	46.47	57.7	1,242

Source: Guangdong Statistical Yearbook 2006, HKSAR Census and Statistics Department, Macao SAR Statistics and Census Bureau



Guangdong Foreign Investment played an important role in the industrial development of each city



As % share of cumulative FDI from1989 to 2005 in Guangdong

Source: Guangdong Statistical Yearbooks

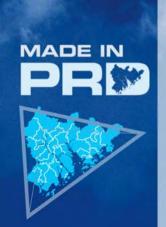
Made in PRD(II)



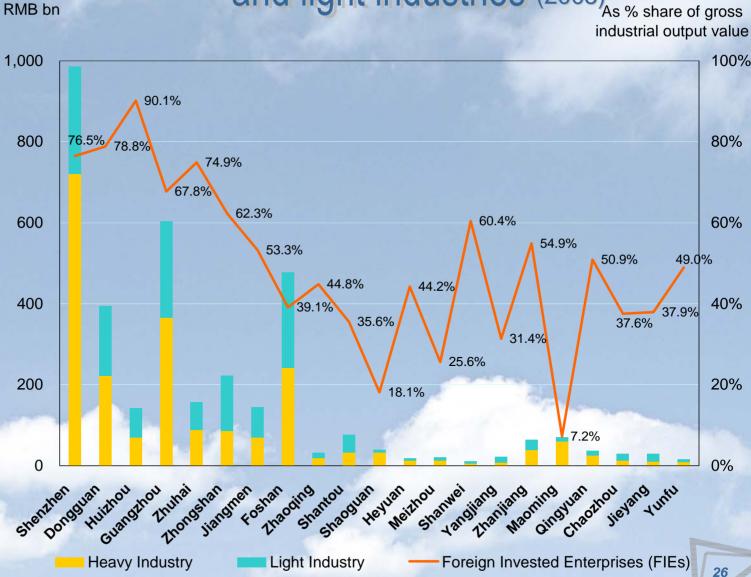
Value Added of Industry, Foreign Investment and Exports in Guangdong

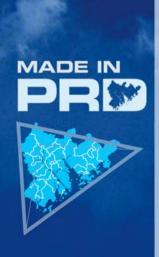
	As % of total value added of industry (2005) in 21 Guangdong's cities	As % of Accumulated Foreign Investment (1989-2005) in 21 Guangdong's cities	As % share of total exports (2005) in Guangdong
Eastern PRD	39.2%	37.2%	64.3%
Central PRD	17.7%	18.9%	11.2%
Western PRD	25.9%	25.6%	20.0%
Other cities	17.2%	18.2%	4.6%

Source: Guangdong Statistical Yearbooks



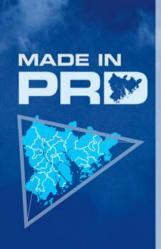
FIEs play an important role in both heavy and light industries (2005)





Hong Kong Investment in Guangdong

- The industrial development of Guangdong was inextricably linked to foreign investment, which affected the industrial development scale of each city and drove the flow of human resources. Capital from or managed by Hong Kong played an important role.
- The cooperative level and scale between domestic enterprises and foreign enterprises in Guangdong (e.g. FIEs + OCFs) are undeniably the highest in the country.

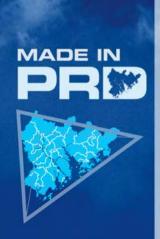


Our PRD Survey in 2005/2006

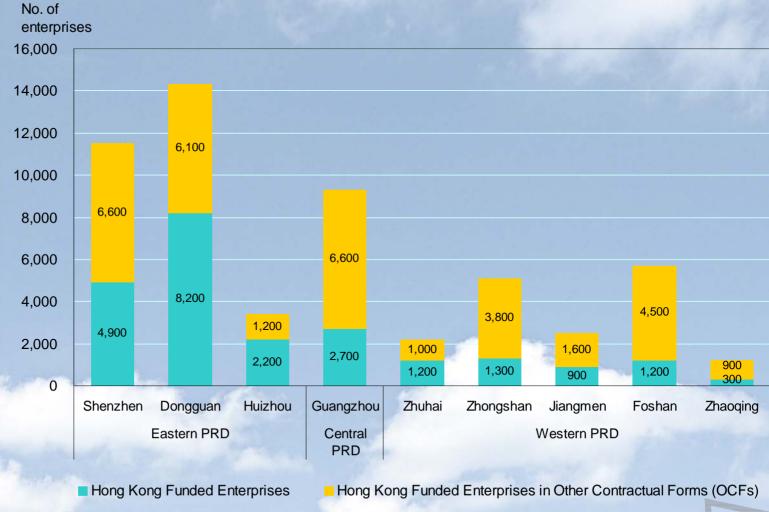
- Sampling Frame: The list of manufacturing enterprises of Guangdong's First Economic Census
- Our survey was conducted between 20 September 2005 and 10 March 2006
- > The number of enterprises that were contacted and that responded to the selection test was 5,030
- > There was 2,529 valid questionnaires
- > Response Rate: 75%

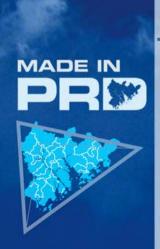
Success Rate: FIEs 67.5%

Domestic Enterprises 39.4%



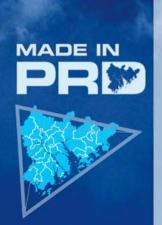
The Estimated Number of Hong Kong-funded Enterprises in PRD



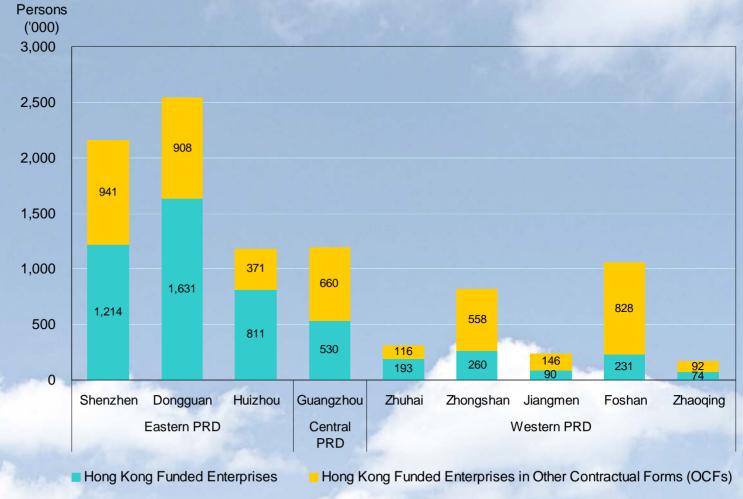


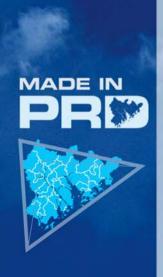
The Estimated Number of Hong Kong-funded Enterprises and Hong Kong-funded Enterprises in OCFs

- Estimated about 55,200 Manufacturing Enterprises (about 57,500 Factories) in PRD
- One in every two enterprises was related to Hong Kong
- Hong Kong-funded enterprises (22,900) accounted for 72% of the total number of FIE
- Hong Kong-funded enterprises in OCFs (32,300) accounted for 41% of the total number of domestic enterprises



The Estimated Employed Persons of Hong Kong enterprises in PRD





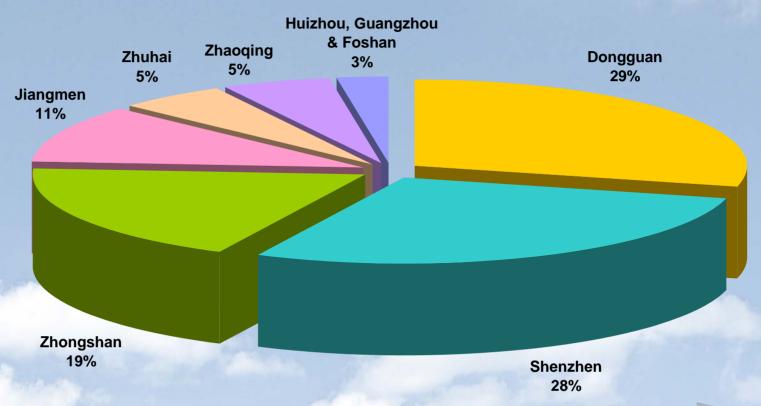
Number of Employed Persons by Hong Kong-based Enterprises in PRD

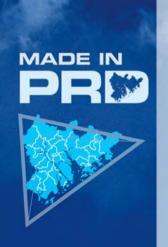
- A total of 9.6 million employee were hired by Hong Kong-based enterprises in PRD
- 5 million were employed by Hong Kong-funded enterprises
- > 4.6 million were employed by Hong Kongfunded enterprises in OCFs
- > 2 million were hired by traditional enterprises engaged in TFP



The Distribution of Enterprises Engaged in Three Forms of Processing/Assembly Operations and Compensatory Trade (TFP) in PRD

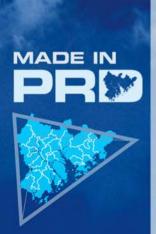
About 14,000 Enterprises engaged in TFP



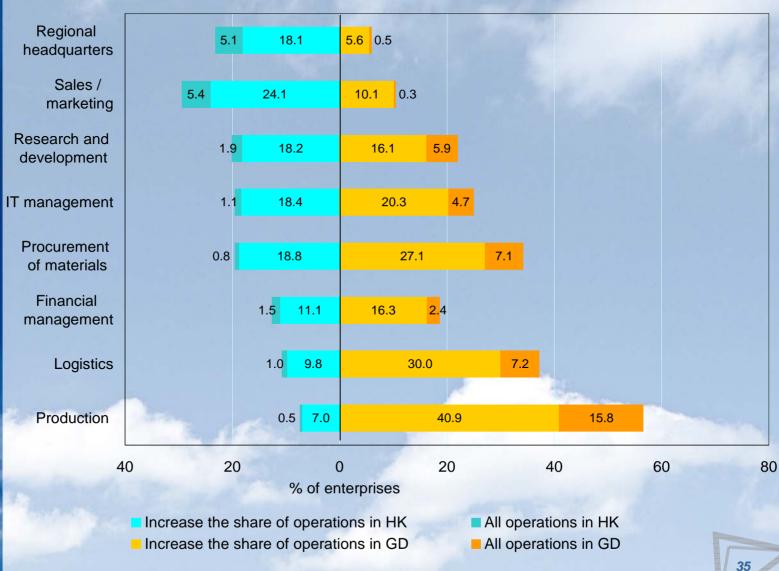


Current division ...



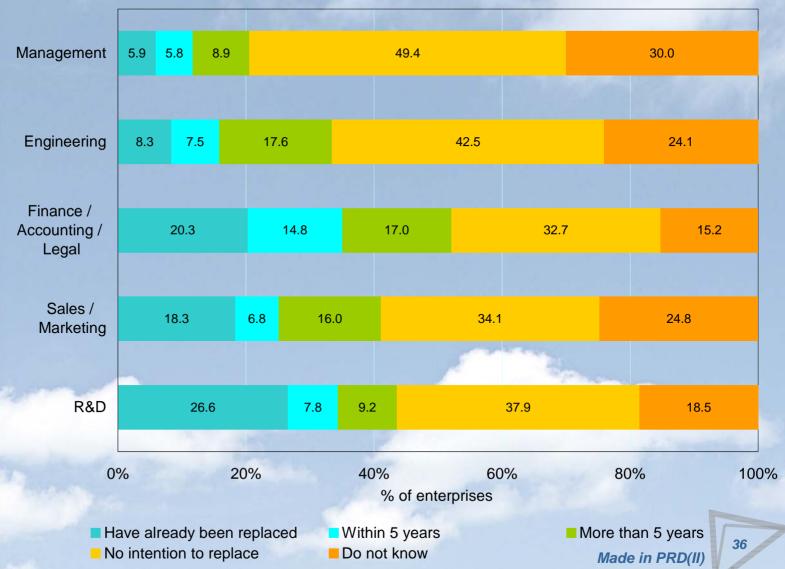


Expected future divsion ...



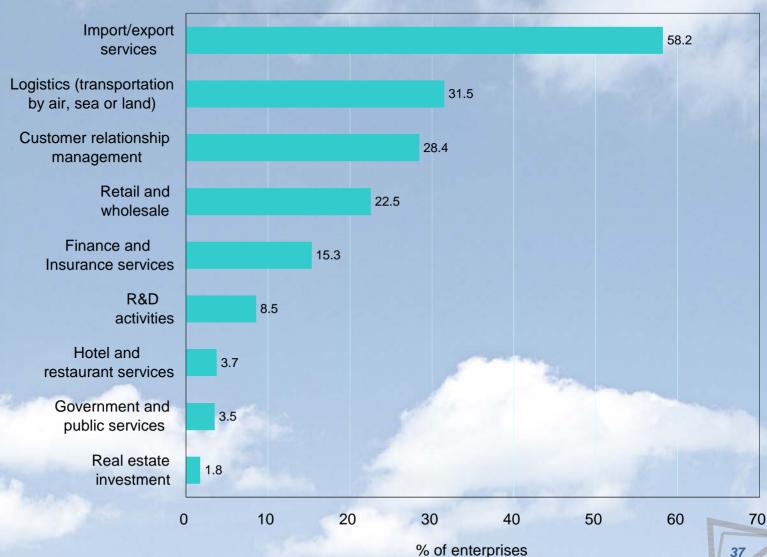


Expected time for mainland employees to take over from HK employees by job functions

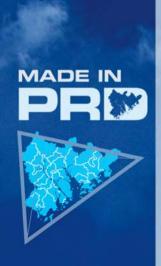




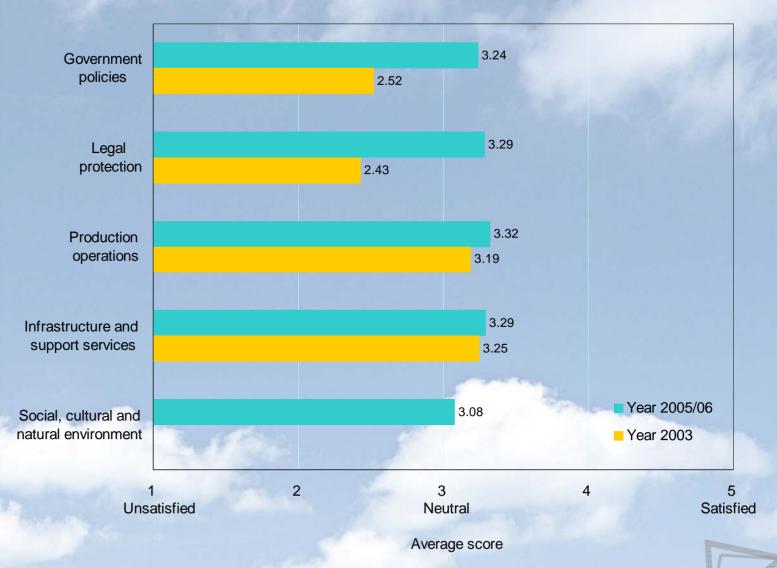
Utilisation of Hong Kong's Service Industry

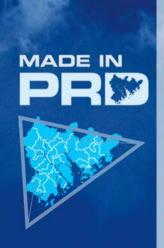


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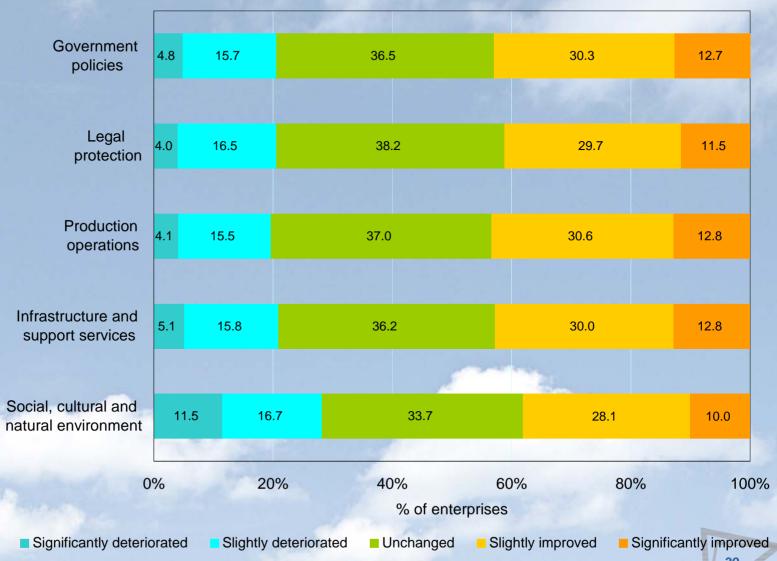


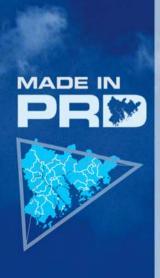
Business Environment in PRD



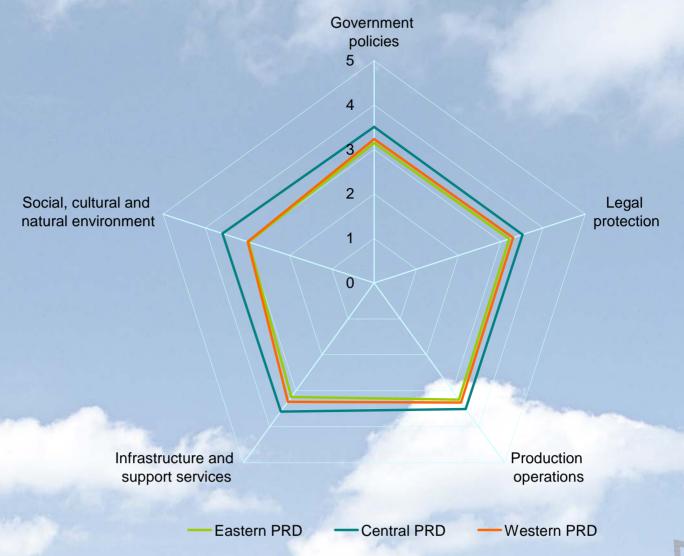


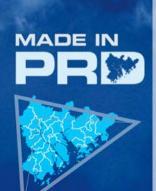
Change in the Business Environment in PRD



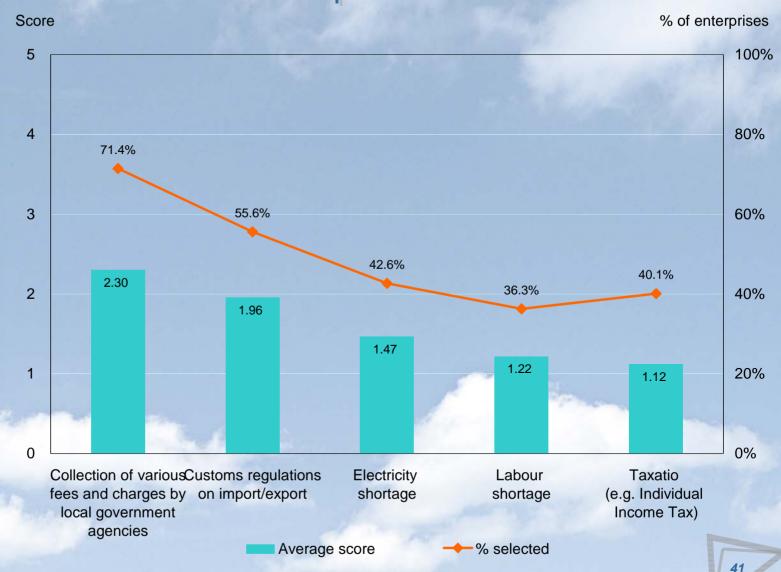


Business Environment in Eastern, Central and Western PRD

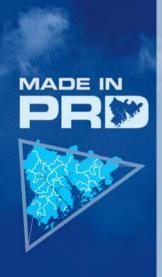




Five Major Problems Encountered by Enterprises in PRD



Made in PRD(II)



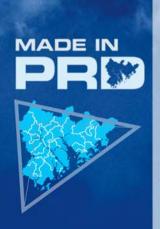
Collection of various fees and charges by local government agencies

- The respondents were greatly troubled by the various types of taxes and charges levied on the Mainland (*Made in PRD(2003)* and this survey)
- > The various types of taxes and charges paid by the surveyed enterprises accounted for about 9.8% of the operating cost
- Of which, 38.7% was central taxes, 44.9% was local taxes and 16.5% was charges and fines levied by district and township government

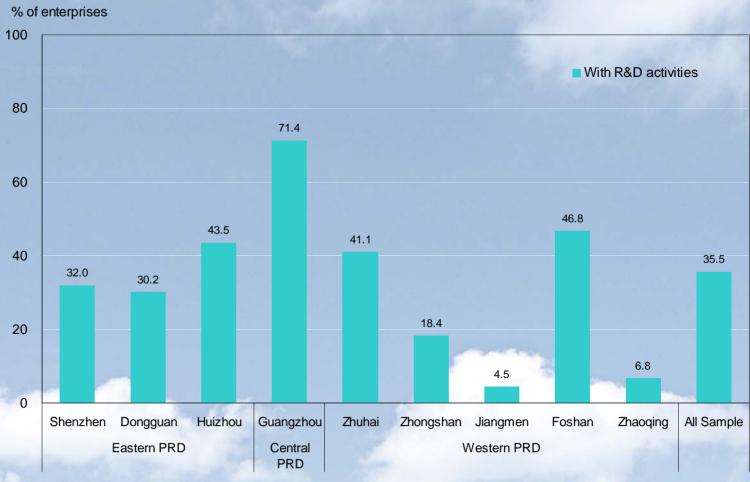


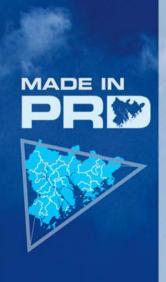
The business environment in Guangdong has continuously improved

- About 62% of the surveyed enterprises had encountered problems of various kinds in business operations in past one to two years (Made in PRD(2003): 97%)
- Only 3% of the surveyed enterprises experienced customs delays in past one year (Made in PRD(2003): 73.4%)

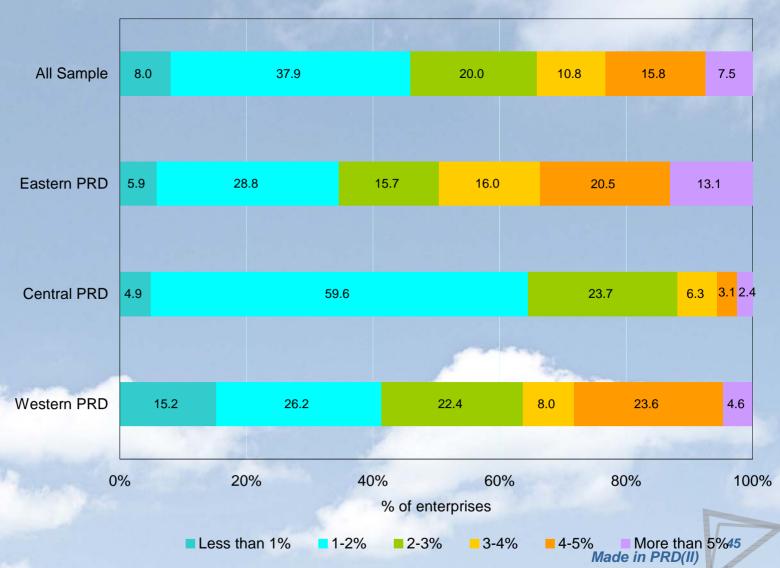


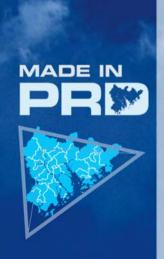
R&D Activities of the surveyed enterprises in PRD





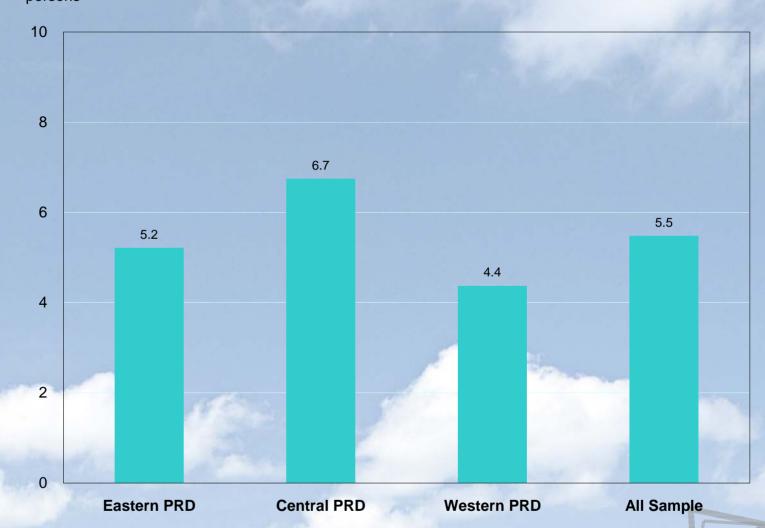
R&D Expenditure to Turnover Ratio of the Enterprises in PRD





Proportion of R&D Employees of Enterprises with R&D Activities

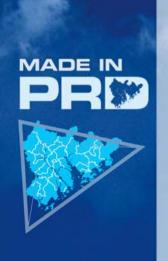
% of total employed persons



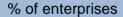


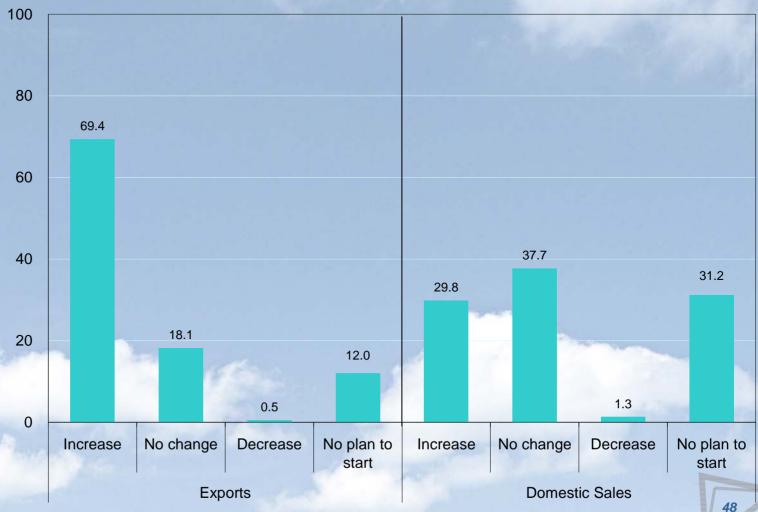
Factors Determining R&D Locations





Forecast of Exports and Domestic Sales Businesses in the coming two to three years





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Shenzhen Dongguan

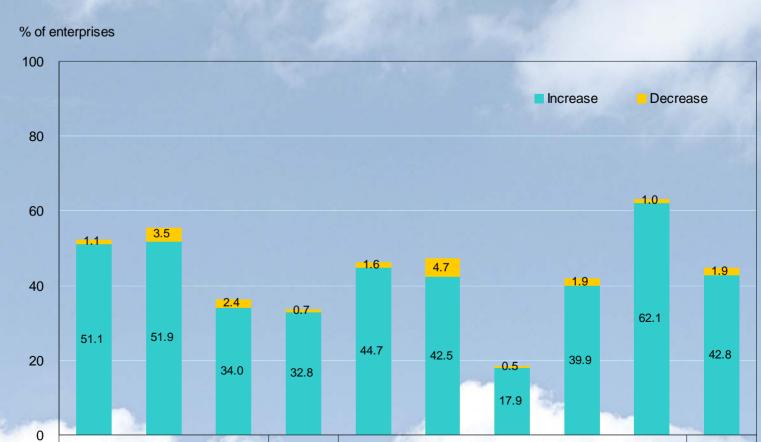
Eastern PRD

Huizhou

Guangzhou

Central PRD

Future R&D Plans - R&D Expenditure



Zhuhai

Zhongshan Jiangmen

Western PRD

All Sample

Zhaoging

Foshan



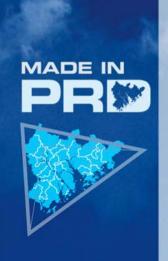
Main Science and Technology Indicators in OECD and Selected Non-member Asian Economies (2004)

	R&D as a percentage of GDP	R&D expenditure % performed by			Total Researchers Full Time Equivalent	Number of Utility Patents Granted by USPTO	Number of Utility Patents Per 1000 FTE researchers
	2004	Industry	Higher Education	Government	2004	2000- 2004	2000-2004
OECD Members Economies							
Total OECD	2.26	67.9	17.1	12.5	3,559,133	782,690	45.2
United States	2.68	70.1	13.6	12.2	1,334,628	257,240	39.6
Japan	3.13	75.2	13.4	9.5	677,206	170,243	51.4
Korea	2.85	76.7	9.9	12.1	156,220	19,010	28.7
European Union-25	1.81	63.3	22.1	13.4	1,178,116	131,028	24.4
Non-Member Economies				A. A.	Sperie		
China	1.23	66.8	10.2	23.0	926,252	1,304	0.3
Hong Kong	0.74	41.0	56.0	2.0	18,846	1,236	17.7
Chinese Taipei	2.56	62.5	12.0	24.9	72,720	26,705	83.3
Singapore	2.25	64.4	11.6	23.4	21,359	1,800	18.9

Source: OECD, Main Science and Technology Indicators, 2006 Volume 1; Statistics on Research and Development in HK0

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(1999-2003), Hong Kong Monthly Digest of Statistics June 2006



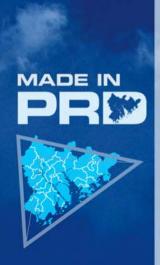
R&D Expenditure and Personnel of Some Provinces of China and Hong Kong in 2005

	Total R&D Expenditure (RMB 100 Mn)	As % of GDP	Total Full-time Equivalent of R&D Personnel	of which : Scientists & Engineers	Total Domestic Patents granted in 2005
China	2,450.0	1.33%	1,364,799	1,118,698	171,619
Beijing	382.1	5.55%	171,045	147,591	10,100
Rank	1	1	1	1	6
Shanghai	208.4	2.28%	67,048	56,987	12,603
Rank	4	3	6	6	4
Jiangsu	269.8	1.47%	128,028	97,232	13,580
Rank	2	6	2	3	3
Zhejiang	163.3	1.22%	80,120	60,008	19,056
Rank	8	8	5	5	2
Guangdong	243.8	1.09%	119,359	101,223	36,894
Rank	3	10	3	2	1
Hong Kong(2004) (HK\$100 Mn)	95.1	0.74%	18,846	14,594	

^{*} Business #Government @Manufacturing

Source : China Statistical Yearbook 2006, China Statistical Yearbook on Science and Technology 2006, Hong Kong Monthly Digest, June 2006

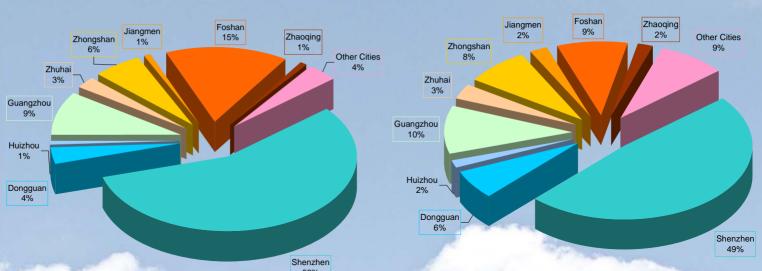
Made in PRD(II)



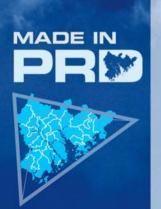
R&D Expenditure and Full Time Equivalent (FTE) Staff in PRD 2005

R&D Expenditure

R&D FTE Staff



Source: Guangdong Provincial Bureau of Statistics

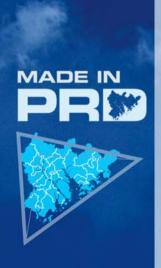


Net Increase of Population with Teritary Education (2001-2005)



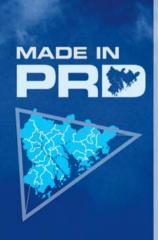
Average Annual Growth Rate of Population with tertiary education

Source: National Bureau of Statistics of China and 2006 Hong Kong Population By-Census



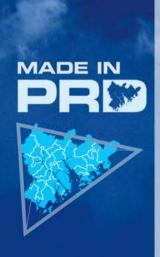
Foreign investment drove the flow of human resources

- Population with tertiary education in Guangdong and Greater YRD grew at a rate faster than that of China
- A lot of inland talent was attracted to working in Guangdong because of its rapid economic development in the 1990s
- During 2001-2005, the Greater YRD attracted tertiary education population at a rate faster than Guangdong



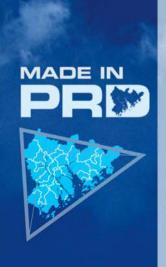
Major Findings...

- The borderline between foreign-invested enterprises and domestic enterprises in the PRD is becoming blurred.
- > The cooperation between Hong Kong enterprises and Guangdong enterprises is more equal than before.
- The relationship between Hong Kong and Guangdong has gradually developed into a complicated and diversified division of labour from the style of "shop in the front and factory in the back" in the past.
- The business model has gradually transformed into a dual pattern, combining export and domestic sales instead of concentrating solely on an export-oriented mode



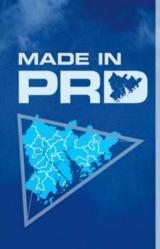
Hong Kong - Key Challenges

- Much closer and arguably better integrated with the rapidly growing domestic Mainland market
- Relaxing the restrictions on the inflow of entrepreneurial talent from the Mainland



What can be done by the Hong Kong Government?

- Maintain a Good Business Environment
- Coordinate Hong Kong's Infrastructure Development with Guangdong Province
- Provide Assistance to Hong Kong Companies Encountering Commercial Disputes in Guangdong Province
- Strengthen Hong Kong's R&D Capabilities
- Reduce the barriers relating to admission of Mainland talent and technology personnel to Hong Kong for work or study
- Help government-funded NGOs to establish themselves across the border



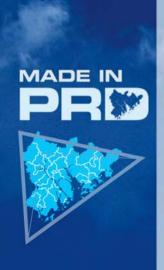
Guangdong - Key Challenges

- Formulating feasible rules in line with actual development and unifying the standards of law enforcement
- The upgrading of industrial structure has to be market driven and proceed in an incremental way. Abrupt policy changes must be avoided to safeguard the existing competitiveness and allow the establishment of new comparative advantages.



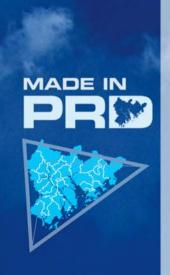
What can be done by the Guangdong Government?

- Streamlining and reducing various fees charged by the government
- Accelerating the construction of the electricity supply and transportation infrastructure
- Establish an efficient and effective communication mechanism and forum with Hong Kong Manufacturers
- Reduce red tape and bureaucratic procedures that obstruct foreign investors from entering the domestic market
- Open the vocational and professional training sector to Hong Kong institutes
- Upgrade of manufacturing industries in Guangdong through a market-driven mechanism rather than administrative fiats



What can be done by the Guangdong and Hong Kong Governments?

- Address the issue of environmental degradation in PRD together and provide practical solutions to enhance the prospect of sustainable development for the whole region
- Join hands to promote the Greater PRD region's strategic position as a gateway for international companies to enter the Mainland market and a springboard for Mainland companies to reach out to the world market
- Ensure good co-ordination on the planning of transportation and aviation infrastructures
- Increase the feasibility of Hong Kong Service Providers to do business or practice in Guangdong and Pan-PRD under CEPA
- Facilitate Outward Processing Operations in Mainland China to enter the Mainland Market
- Facilitate flows of people and goods across the borders



Thank You