

Korean Experience of Overcoming Economic Crisis through ICT Development

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1. 1997 Economic crisis and the role of ICT

► **Miracle of Han River:** GNI per capita: 1962, 110\$ → 2007, 19,730\$

► **1997 economic crisis:** US\$ 10,770 in 1995 → US\$ 9,200 in 1998

► **The role of ICT in the course of economic recovery**

Extensive reforms in corporate, financial, and public sectors

Key player in the process of recovery

- ICT portion to GDP: 7.7% in 1997 → 15.3% in 2000
- ICT contribution to GDP growth: 46 percent in 2000

Share of ICT manufacturing in total manufacturing value added (2006)

	ICT manufacturing	Percentage point change('95-'06)
Australia	2.8	-0.3
Canada	4.6	-1.6
Czech Republic	5.0	2.2
Denmark	4.8	0.4
Finland	20.1	11.4
France	5.2	-1.1
Germany	5.6	1.0
Hungary	12.6	7.8
Ireland	11.5	-2.7
Japan	12.8	0.2
Korea	21.1	5.1
Mexico	5.6	0.4
Netherlands	3.8	-2.4
Norway	4.6	0.2
Portugal	2.8	-1.0
UK	6.0	-2.3
US	7.7	-2.6
OECD average	7.2	0.3

2. Result of ICT Development after Economic Crisis

► Change of Top 10 Leading Industries in Manufacturing Sectors

Rank	1970	1980	1990	2000	2005
1	Food 28.6	Textile 19.2	Electronics 14.6	Electronics 25.2	Electronics 24.7
2	Textile 20.4	Food 19.0	Automobile 13.2	Chemicals 13.9	Chemicals 15.2
3	Chemicals 11.5	Chemicals 13.1	Food 12.9	Automobile 11.3	Automobile 12.2
4	Automobile 9.1	Electronics 10.4	Chemicals 12.9	Basic metal 8.0	Basic metal 11.3
5	Paper 5.5	Basic metal 6.7	Textile 11.5	Food 6.9	Machinery 7.0
6	Mineral products 3.7	Automobile 6.1	Basic metal 9.0	Machinery 6.9	Food 6.1
7	Coal & petroleum 4.2	Coal & petroleum 5.5	Mineral products 5.6	Textile 6.9	Coal & petroleum 5.4
8	Electronic products 3.7	Nonmetallic minerals 5.3	Machinery 5.5	Fabricated metals 4.8	Fabricated metals 4.5
9	Machinery 2.3	Paper 3.9	Paper 4.6	Paper 4.3	Textile 3.6
10	Basic metal 1.5	Machinery 3.7	Fabricated metals 3.8	Coal & petroleum 4.2	Paper 3.5

► Telecommunications sector

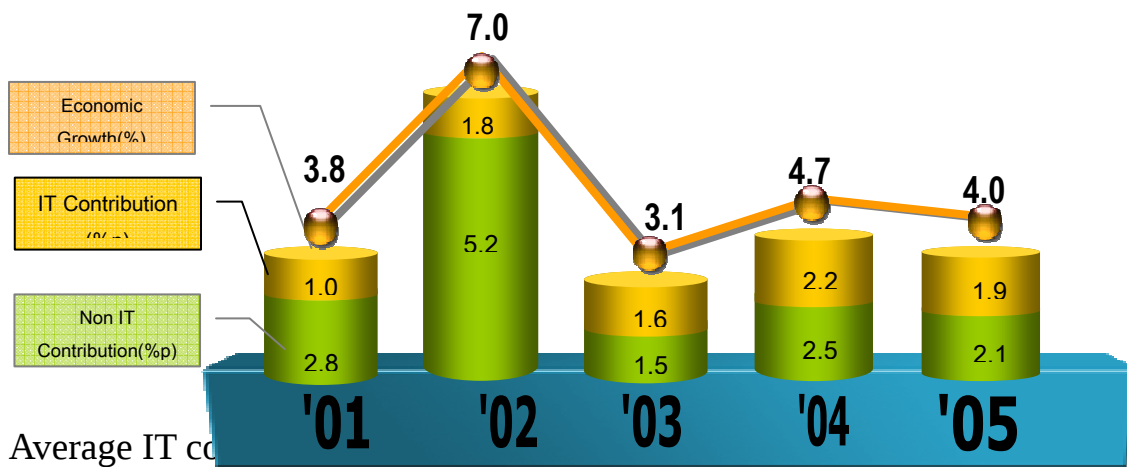
Broadband subscribers/100 people: 4th (29.9%) among OECD in 2007

- Over 76% of Koreans use Internet in their everyday lives
- 93% of households connected to broadband internet service

[IMD World Competitiveness Yearbook 2005]

Technological Infrastructure			Broadband Subscribers			Broadband Cost		
Country	%	Rank	Country	Rank		Country	US\$	Rank
US	68.93	1	Korea	233.3	1	Japan	0.09	1
Korea	63.35	2	Hong Kong	180.9	2	Korea	0.25	2
Singapore	62.72	3	Canada	146.9	3	Belgium	1.15	3
Hong Kong	61.18	4	Taiwan	134.6	4	Hong Kong	1.27	4
Taiwan	60.45	5	Denmark	133.3	5	Singapore	2.21	5
			# of subscribers per 1,000			US\$ per 100 kbps per month		

► ICT manufacturing sector



IT exports(2004): 93.7 billion \$ (36.9% of total exports)

► Innovating government services based on ICT

5th in UN Global E-Government Readiness Report 2004

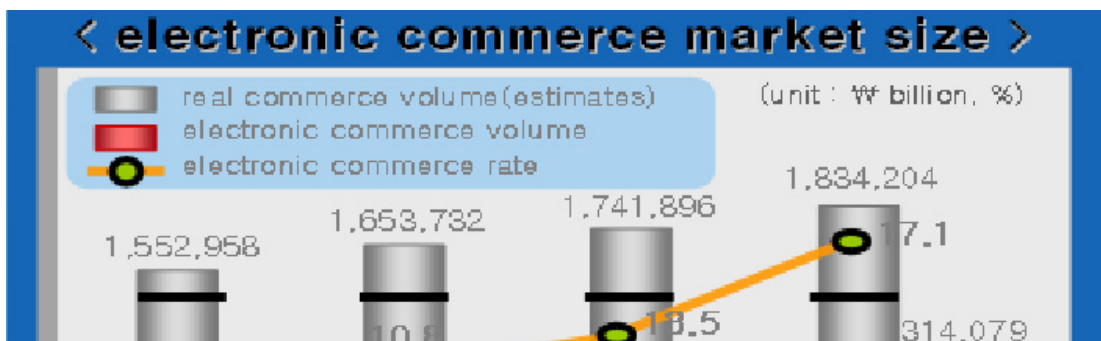
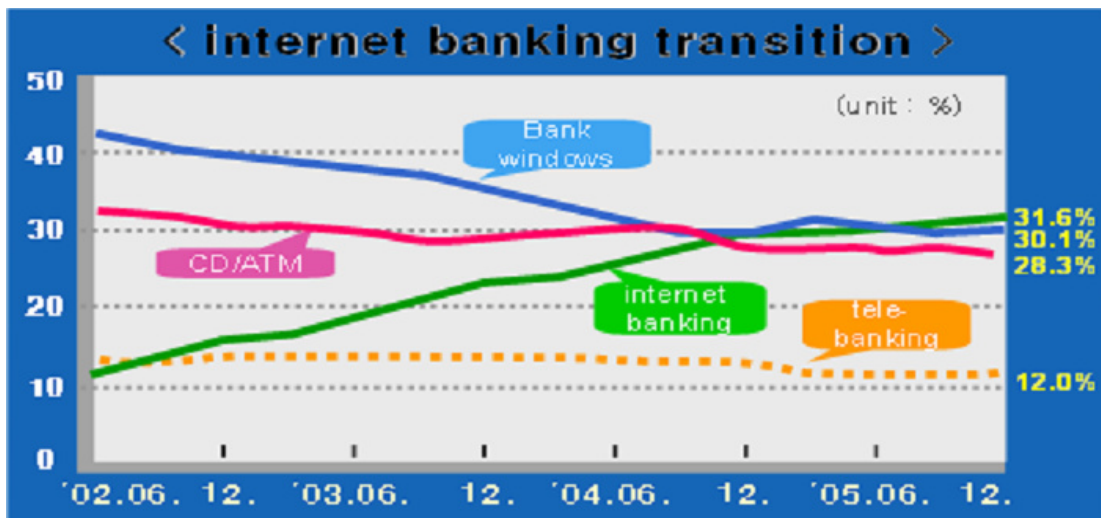
- Only nation that does not use English as mother tongue among Top 10

e-Procurement service (G2B)

- full-fledged e-government procurement system
- received the First Public Service Award sponsored by the UN in 2003

► People's online life

In 2004, OECD declared Korea's national e-commerce system needed 'no further action required'



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https://www.yunbaogao.cn/report/index/report?reportId=5_8066

