电子产业的未来和韩中合作方案

Collaboration Opportunities between Korean and Chinese Electronic Industry

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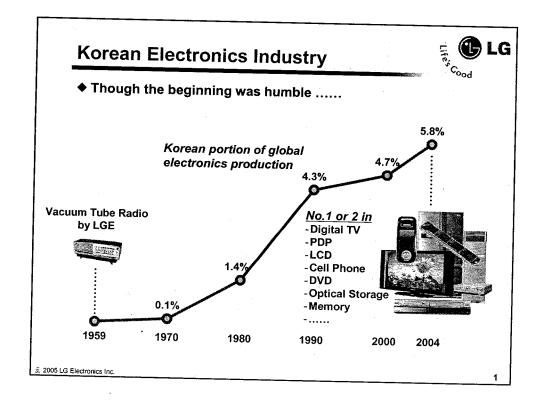
President & CTO, LG Electronics Inc.

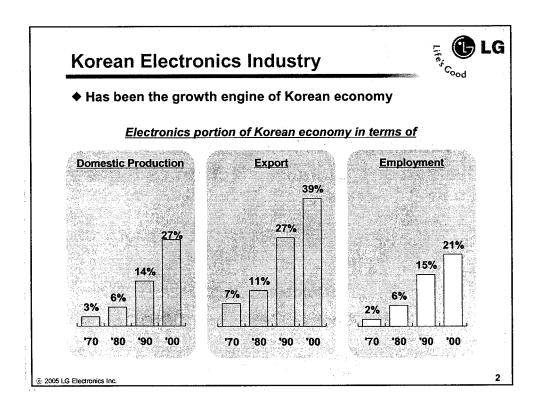
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October 10, 2005
Hee-Gook Lee / President & CTO



LG Electronics Inc.





Global Electronics Industry



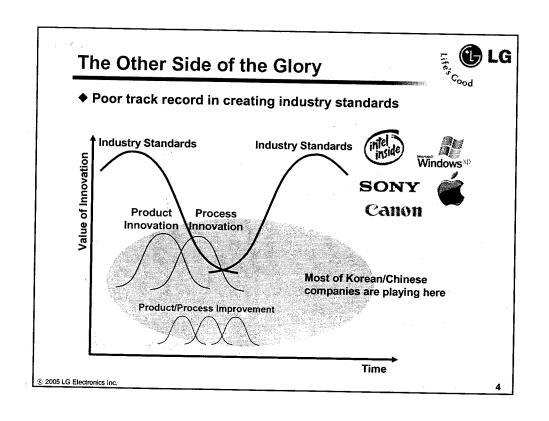
♦ Greater China accounts for 22% of global production.

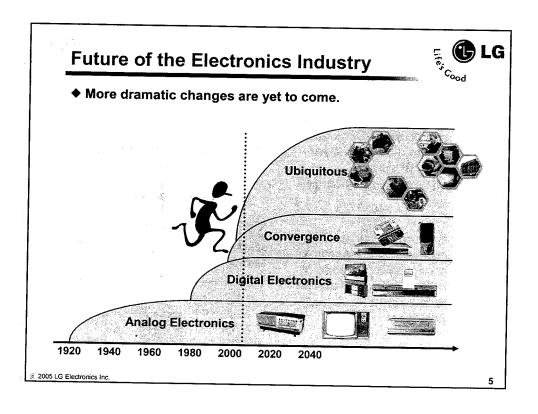
Country	2001		2002		2003		2004	
	\$B	%	\$B	%	\$B	%	\$B	%
USA	321	28.2	279	25.9	286	26.5	302	25.1
Japan	189	16.7	162	15.1	170	15.7	180	14.9
China	95	8.3	120	11.2	147	10.1	177	14.7
Korea	54	4.7	60	5.6	64	5.5	70	5.8
Germany	49	4.3	47	4.3	46	4.1	47	3.9
UK	46	4.0	39	3.6	38	3.9	38	3.2
Singapore	35	3.1	36	3.4	36	3.3	38	3.2
Malaysia	40	3.5	38	3.5	40	3.2	44	3.6
Taiwan	39	3.4	39	3.6	40	4.0	43	3.6
France	31	2.7	29	2.7	28	2.6	28	2.4

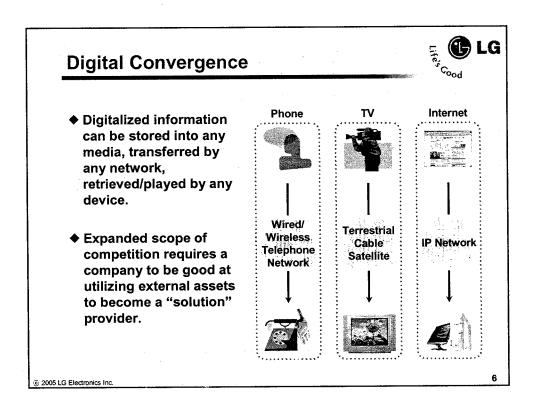
(The Yearbook of World Electronics Data, 2005)

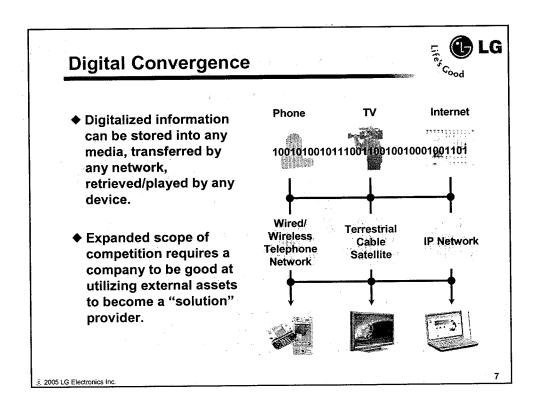
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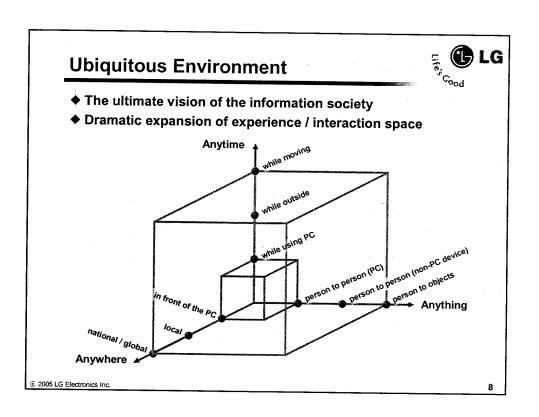
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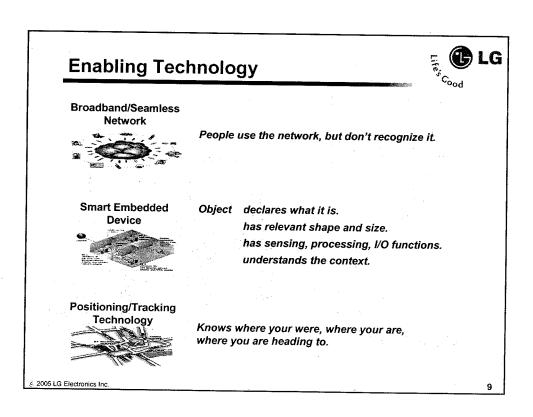


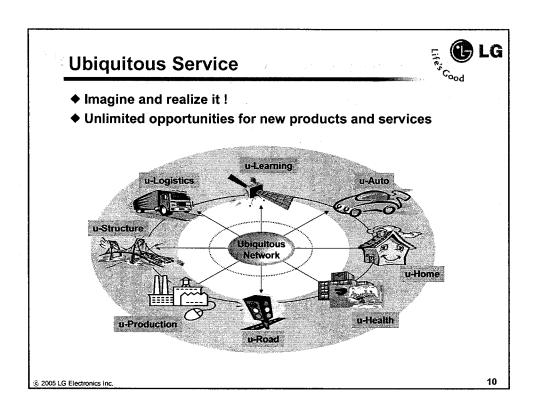


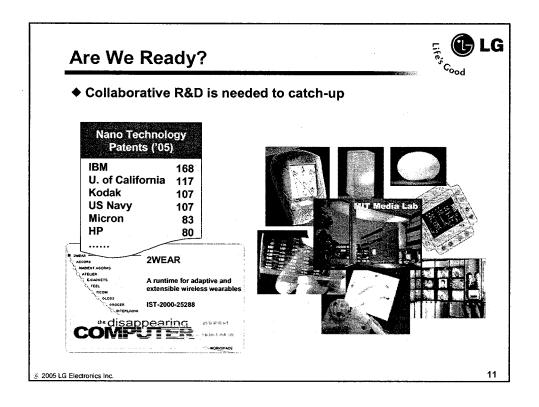












Implications



- ♦ Korea and China are required to upgrade their electronics industry structure.
- One should be a solution provider aiming at end-customers, rather than a separate product/service provider.
 Convergence and ubiquitous are dual-sided swords offering opportunities and threats.
- ◆ Allowing the ubiquitous initiative to other countries may spoil one's unique lingual/cultural heritage because it's a life environment, not just a tool.
- ◆ Some countries seem to be ahead of us. Close collaboration is needed to catch-up.

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LGE in China ◆ 23 operations in 15 cities* (including 2 R&D centers) ◆ Number of local employees : 14,000 ◆ Cumulative investment: \$2.6B ◆ Sales : \$6B (\$4.1B Export) ◆ Collaborative R&D Programs - Chinese 3G standards (Beijing University Shanghai KunshanHangzhou of Post & Communications) - Next generation mobile communications (Peking, Tsinghua, Fudan, Sichuan, Xi'an Jiaotong University) Huizhou (2) (* including LG Electronics and it's affiliate companies) 2005 LG Electronics Inc.

Similarities in Future Perspectives



◆ Electronics is the core of both countries' growth strategy

10 Growth Engines of Korea

- Semiconductor
- Display
- Intelligent Robot
- Automobile
- Battery
- Digital TV/Broadcasting
- Mobile Communications
- Home Network
- Contents, S/W
- Biomedicine/organs

(Korean Government, 2003)

National Core Technologies of China

- Info Security
- High Performance Computing
- System on Chip
- High Performance Metal Structure/Material
- Disease Diagnosis
- Integrated Information
 Network System
- Bio-Environmental Technology
- Biomedicine/Materials
- Software

- iniologies of China
 - Quality/Safety Control of Bio Product
 - Mobile Communications
 - Eco-friendly Material
 - Microelectronics
 - Composite Materials
 - Nano Technology/ Material
 - Digital Multimedia
 Broadcasting
 - Energy
 - Genetic Engineering

(China National Research Institute for S&T for Development, 2003)

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Suggestions for collaboration



- ◆ Competence-based, future-oriented co-opetition
 - Constructive competition driven by value creation, not cost
 - Working together in setting next generation technology standards
- Expand collaboration areas/channels
 - Manufacturing partnership → R&D partnership
 - Joint R&D programs
 - People/information exchange among S&T clusters
 - International internship programs

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