KT

Broadband Networks in Korea

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Knowledge-based Information Society and its Network

Prospects of Information Society

Vision and Strategy for Building BcN

KT's Network Evolution Strategy

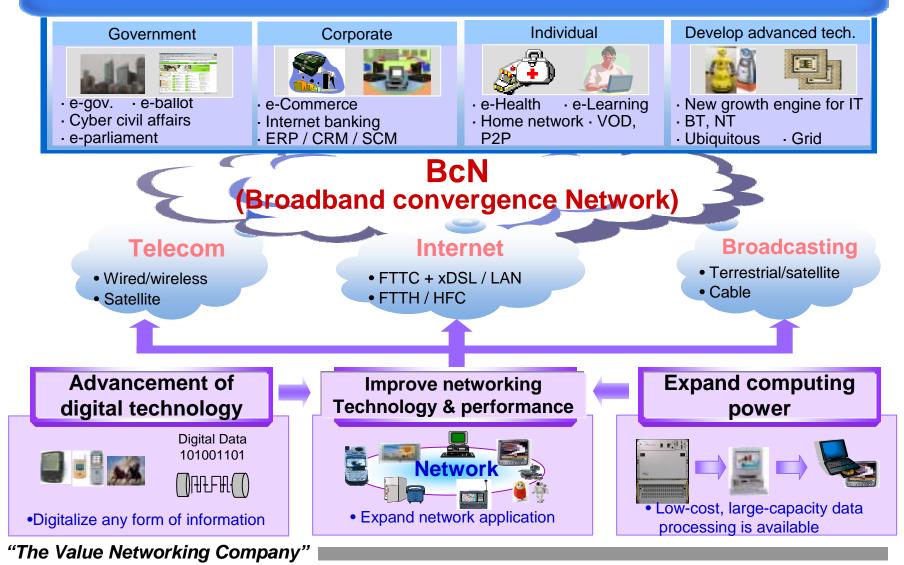
KT's NGN Strategy and Roadmap

Conclusion

Prospects for IT Markets and Expectation

Prospects of Knowledge-based Information Society

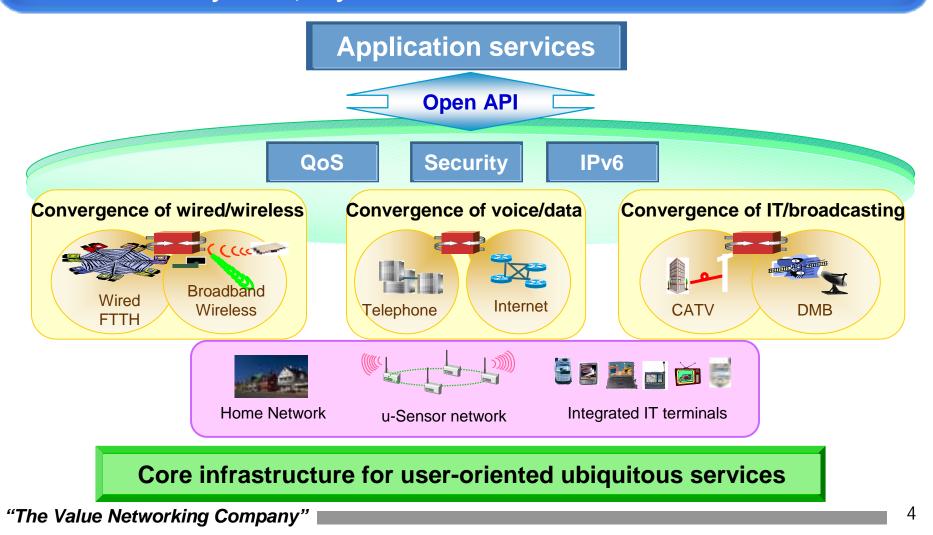
Convergence of Telecommunication, Broadcasting, and Internet

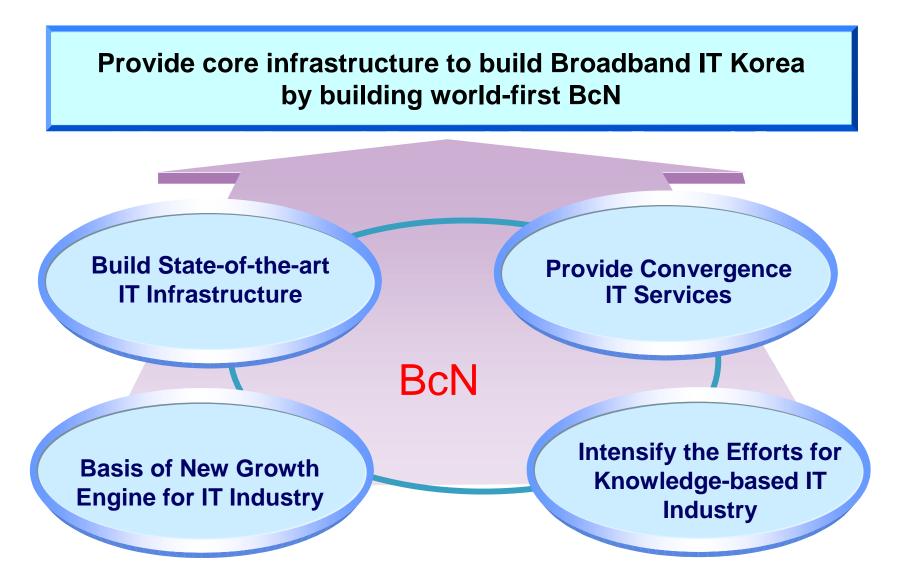


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Concept of Broadband Convergence Networks

Next-generation convergence networks can provide high-quality broadband multimedia services integrating telecom, broadcasting, and Internet seamless at anywhere, anytime



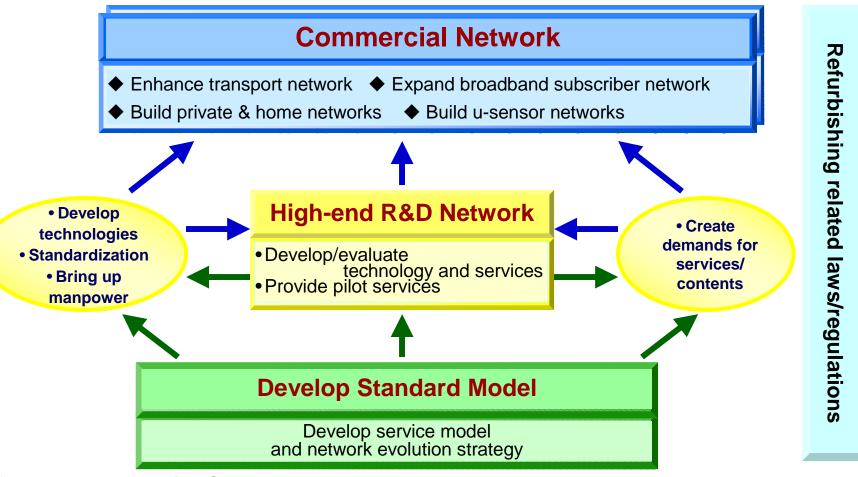


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Strategy for BcN (I)

Develop BcN standard model by government and industry, create high-end R&D network and to develop, evaluate and standardize related technologies, then spread in the Commercial Network



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Strategy for BcN (II)

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Link Supply-side (network building, R&D, standardization) and Demand-side (service/content development, deployment) through Role-sharing by Government and Industry

Lead the Development of New Technology by Joint Efforts of IT Service Providers/Vendors and expand the Result to enhance Competitiveness of Domestic Industry

Establish step-by-step Plans for Joint Technological Development by considering the Status of Technologies and changing IT Environment



[Gov.] Provide proper Environment for building BcN

- Provide proper environment for the service by refurbishing laws/regulations, universal services to create demands
- Joint R&D, standardization, HRD

[Indus.] Build Commercial Network and provide Services

- Strategy for BcN deployment, investment and Building BcN
- Develop/spread services/contents
- Develop commercial technologies



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Network Evolution

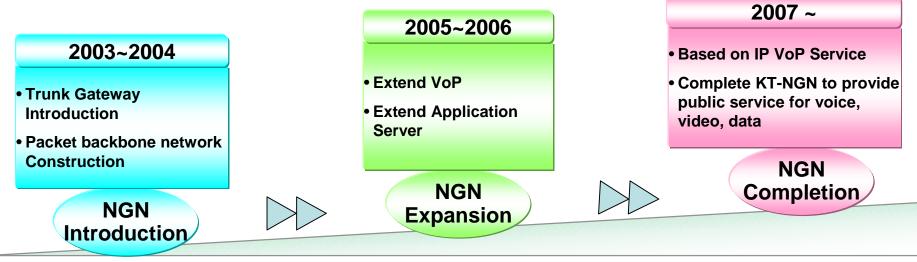
- Step-by-step move to minimize risk
- Early adoption of Softswitch for active NGN progress

Providing Services

- QoS guaranteed POTS & IN Services
- New Video Conferencing & Various Multimedia Services

Technical Implementation

- Quality level of ITU-T Multimedia (Voice MOS 4.5)
- Secure sufficient transport bandwidth and guarantee QoS



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KT's NGN Evolution Roadmap

Stage	Preliminary Stage	Stage 1		Stage 2		Stage 3
	~ 2002	2003	2004	2005	2006	2007 ~
Roadmap	NGN Foundation	NGN Migration & Expansion			NGN Completion	
	Access G/W(v5.2)		Trunk G/W			
	VoIP (H.323/SIP)	Softswitch(Class 4, 5) VoIP(MEGACO)			VoP Over QoS IP	
	Open IN Service			IP-based IN Service		
Major Action Item	 Introduce Access G/W Replace semi- electronic switching systems Develop/evaluate SSW 	. Introduce . Introduce (Class 4, 5 . Build pack	soft switch	. Expand VoP (Increase supply of SSW)		. Provide QoS IP-based VoP service
	. Build packet backbone netwrok	network		. Expand application service base		

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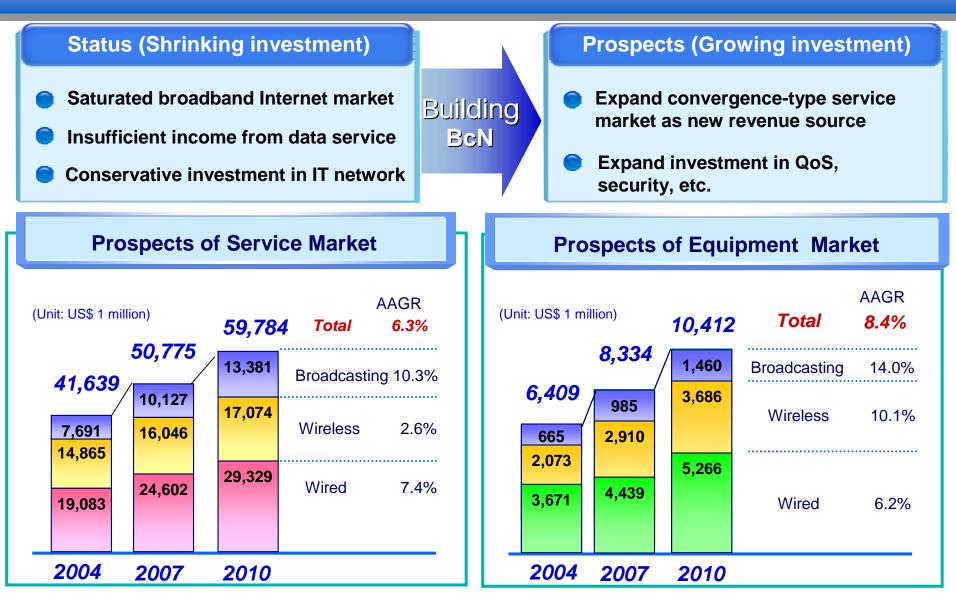
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Prospects for IT market

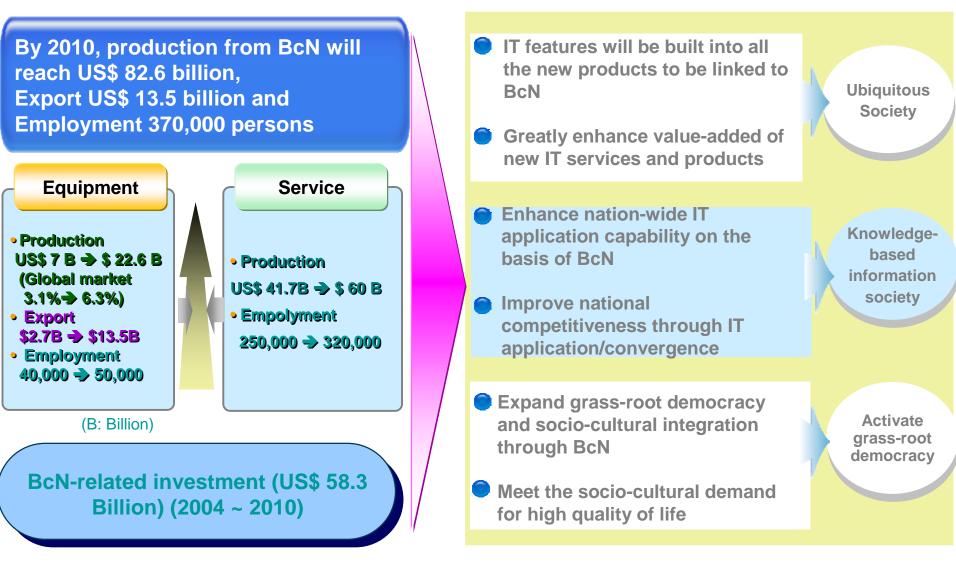




Expectation (Prospects of change to UNS)

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* UNS : Ubiquitous Network Society



Thank You !

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