



NØRTEL



Enabling 4G Broadband

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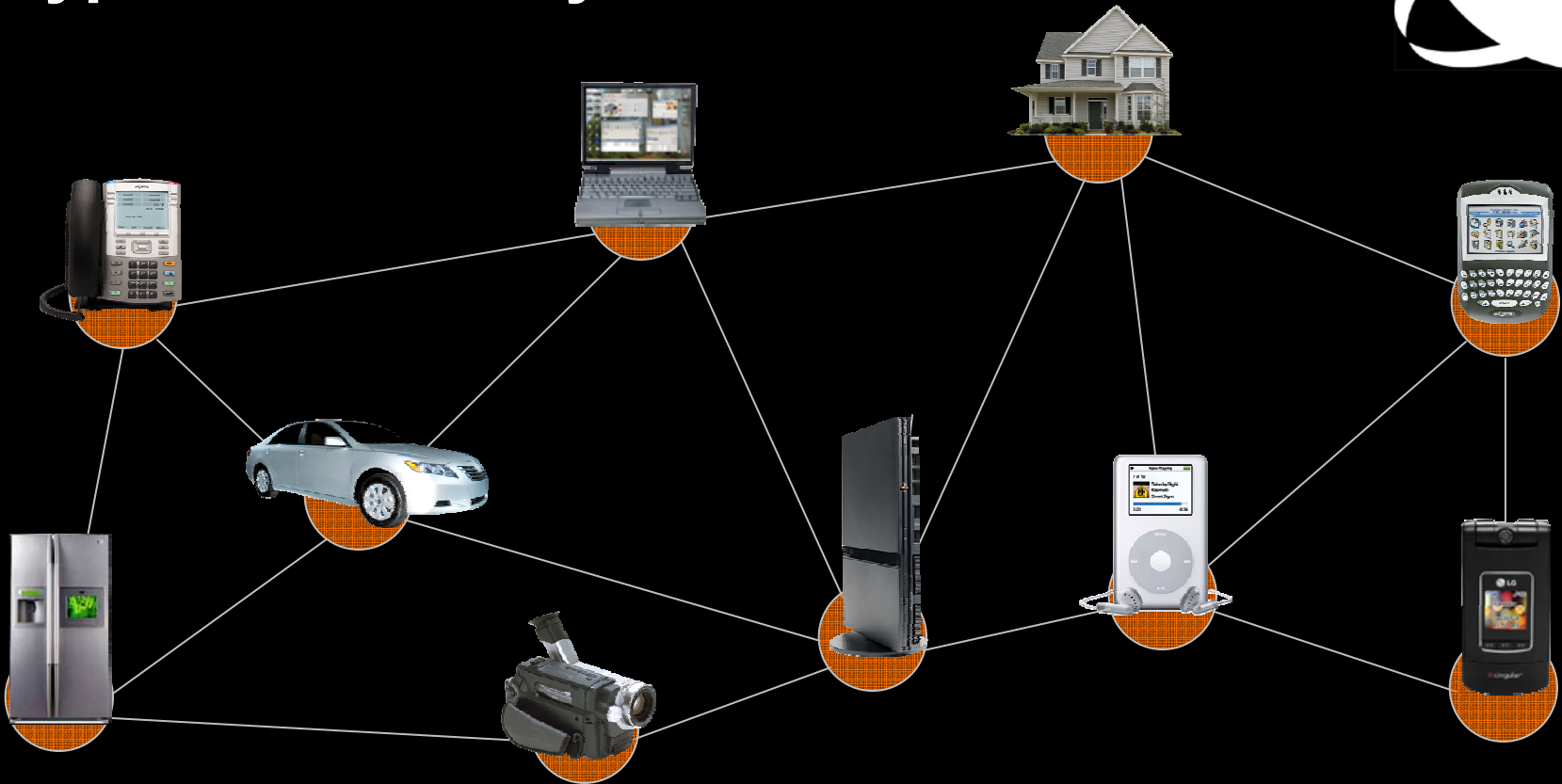
Vice-President, Carrier Networks

Bahrain, November 12th, 2007

BUSINESS MADE SIMPLE

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Hyperconnectivity



Anything that can be connected and would benefit from being connected will be connected

Hyperconnectivity is Real and Happening Now



Person to Person

- Europe – mobile phones now outnumber people (103% penetration)
- Global mobile IM grew 33% 2H06
- One Laptop Per Child



Person to Machine

- By 2010, worldwide:
- 4-fold growth in Internet Commerce
- 1-2 billion A-GPS-enabled handsets
- 100 million iPods sold
- iPhone: hyperconnectivity at applications level



Machine to Machine

- 98% of all CPUs today are embedded (by 2010 – 14 billion connected, embedded devices)
- 70%+ of all 2007 cars in U.S. have iPod connectivity
- Sensor pocket in Nike shoes



Hyperconnectivity: Opportunity for 4G Operators



Opportunity

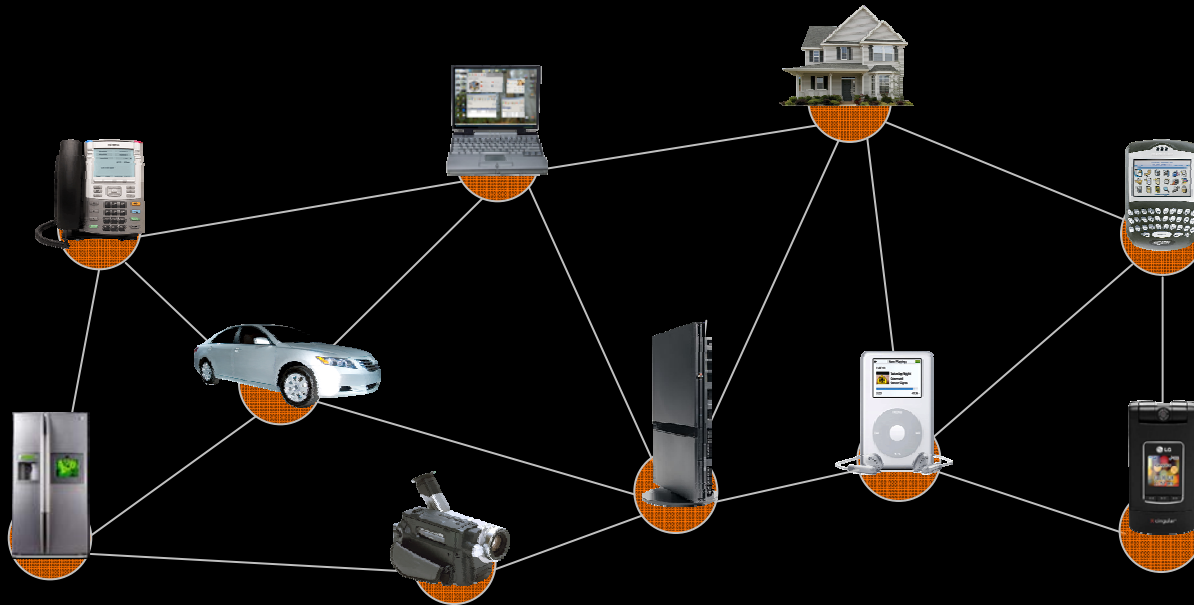
- New application revenue
- New business models
- Pent-up demand
- Device pull
- First mover advantage

Challenge

- Scale is unprecedented
- Hard to do all things well
- More than access
- Increasingly complex
- Partner management is hard

**Companies that anticipate and plan for success
will capture the opportunity of Hyperconnectivity**

Addressing the Challenge and Opportunity of Hyperconnectivity



Hyperconnectivity

Addressing the Challenge and Opportunity of Hyperconnectivity



Hyperconnectivity

“True” Broadband

- Scale access network
- Scale core network (metro & long- haul)
- Unify experience (seamless mobility)
- Manage network and business (services)

The Power of Mobile Bandwidth



The Power of Mobile Bandwidth



The Power of Mobile Bandwidth



Addressing the Challenge and Opportunity of Hyperconnectivity



Hyperconnectivity

“True” Broadband	Communications - Enabled Applications
<ul style="list-style-type: none">• Scale access network• Scale core network (metro & long-haul)• Unify experience (seamless mobility)• Manage network and business (services)	<ul style="list-style-type: none">• SOA / Web Services / IMS• Network-engaged applications• Applications-aware networks

Communications-Enabled Applications



Every Application will have Built-In Communications Capabilities

4G World – Broad View

Connecting Everything That Should Be Connected



Nortel 4G View



**Broadband
Home**



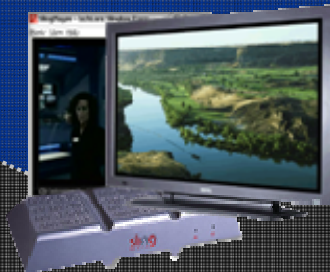
Mobile VOIP



**Metro
HotSpot**



**Mobile
Data**



**Multimedia
Distribution**



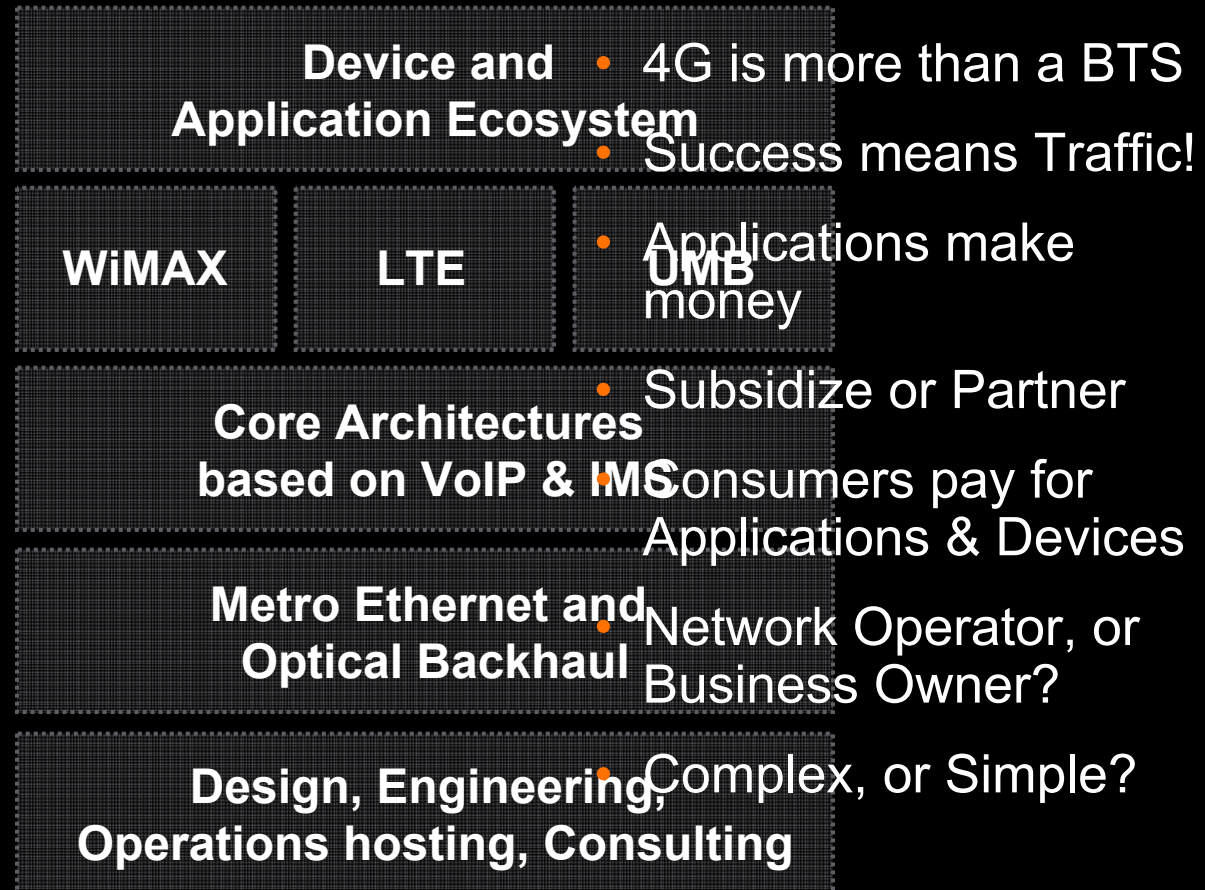
**Mobile
Video**



**Extended
Enterprise**



Planning for Success in 4G Broadband





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Business made simple