



A Business Case For Mobile Broadband Data

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New Venture Partners

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Over 50% of American Homes Have Broadband Access & Growing Quickly



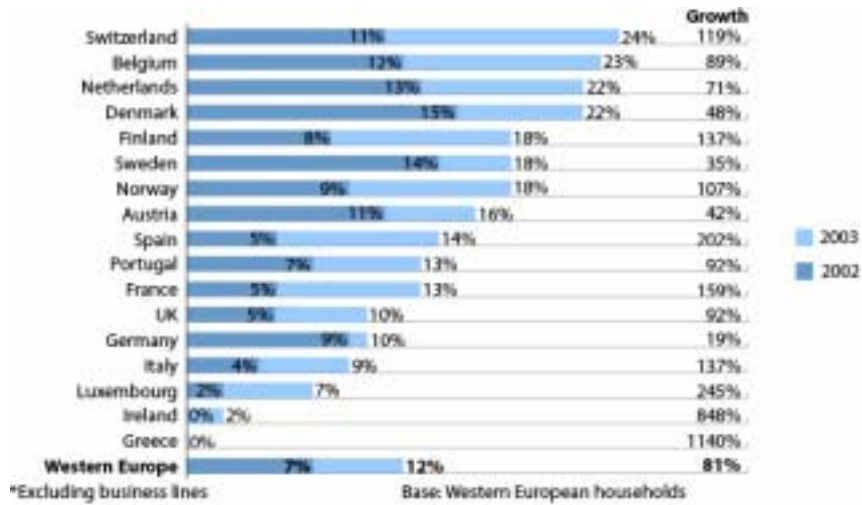
Broadband vs. Narrowband in the U.S.

	Broadband	Narrowband
Feb. 2005	56%	44%
Jan. 2005	55%	45%
Dec. 2004	55%	45%
Nov. 2004	54%	46%

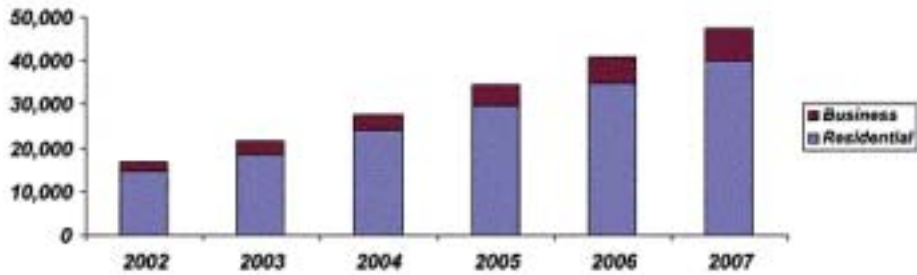
•Total broadband is an aggregation of ISDN, LAN, cable modem, and DSL

Source: Nielsen/Net Ratings, as of Mar. 17, 2005

This Is Also True In Europe and ...

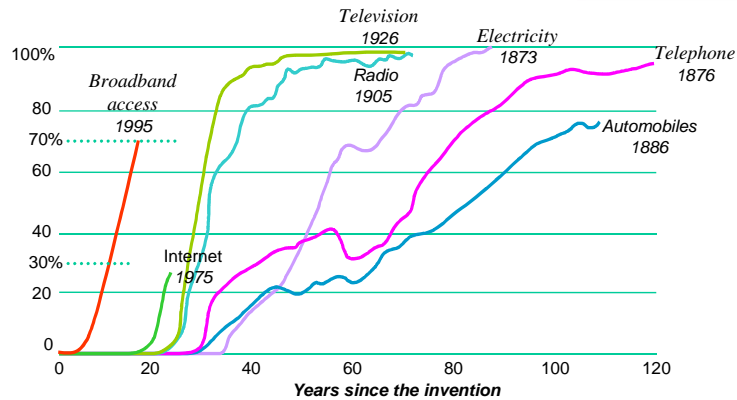


... And In Asia-Pacific



From IDC 2003

It's Happening Very Quickly



- The penetration rates of broadband access across the world considerably outpace the penetration rates of other technologies and systems that have become indispensable attributes of modern everyday life.
- **Industry analysts predict that in the nearest future broadband access in the developed countries will become an indispensable feature of life support infrastructure for hundreds of millions of people.**

Consumers Are Also Experiencing Wireless Broadband

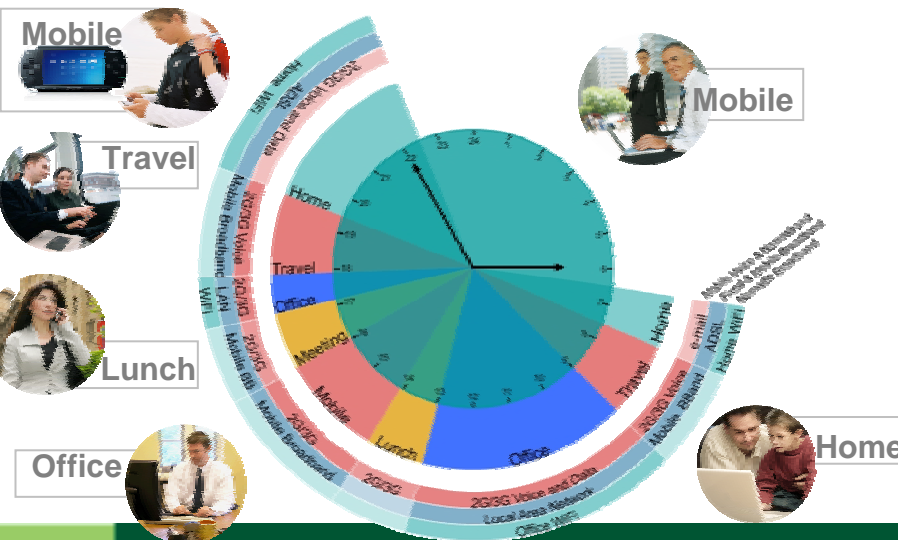


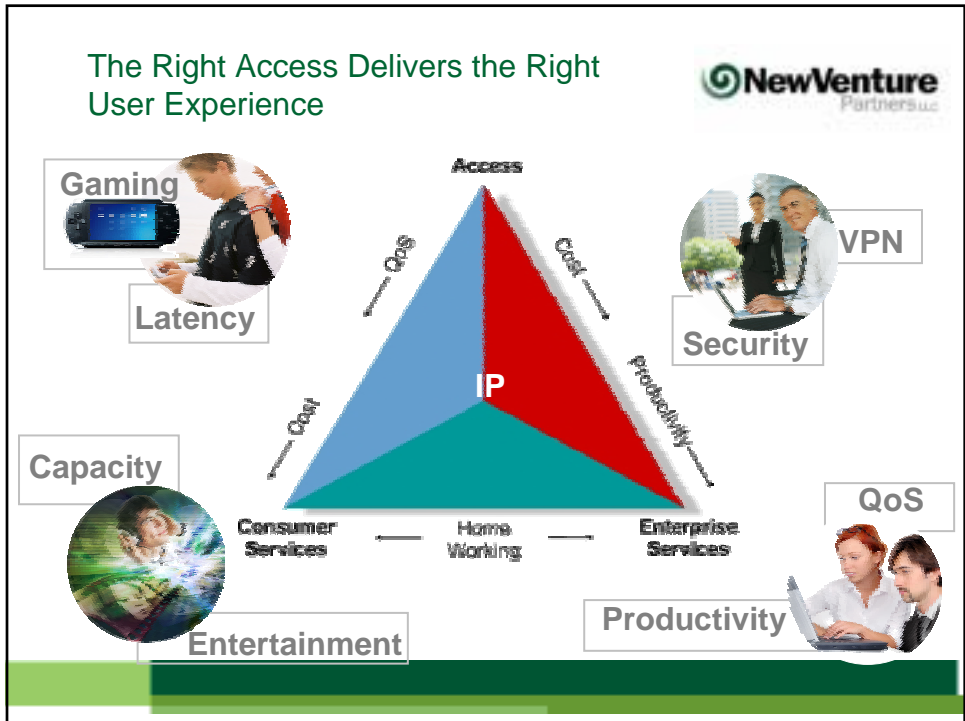
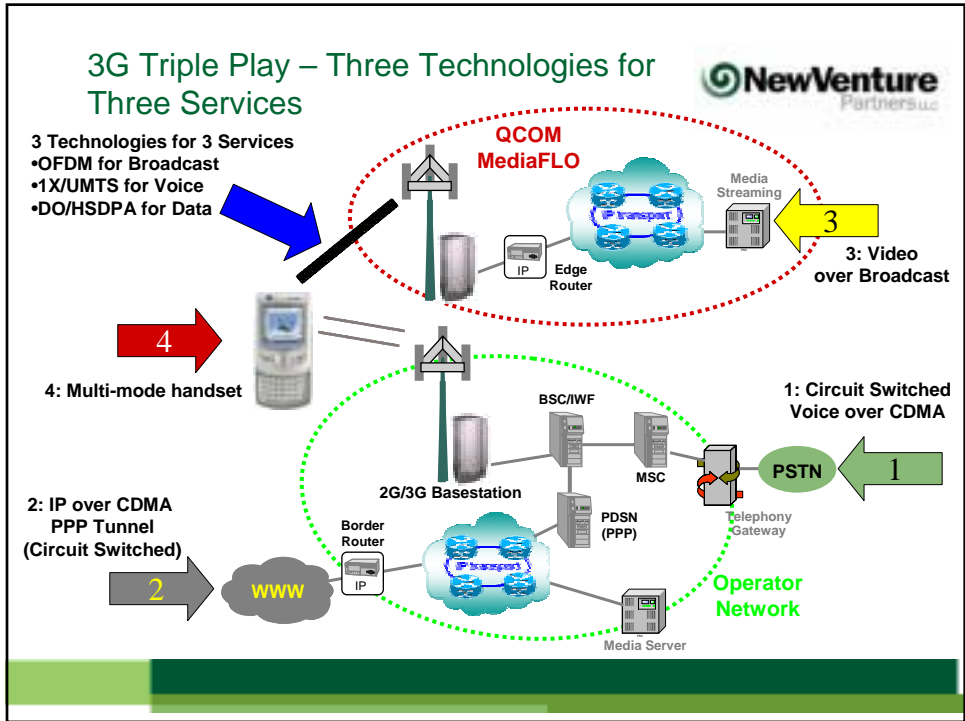
- Consumer take up of Wi-Fi
 - 30 million worldwide users in 2004 (up from 9.3M in 2003)
 - 802.11g access prices declined 10%+ in 2004
- 10 million + homes in US have wireless networks
- 29% growth in global wireless Internet users in 2004
- More applications – gaming, email, video
- More devices – notebooks, handsets
- Lower cost to carriers and consumers

Mobile Broadband Opens Up New Markets & Customers



It's Becoming a Multi-Access, Multi-Technology World





The World Is Adopting OFDM



OFDM will be the basis for Qualcomm's Multicast technology at 700MHz



WiMAX is based on OFDM Technology



WiFi is based on OFDM Technology



WiBro will use OFDMA Technology



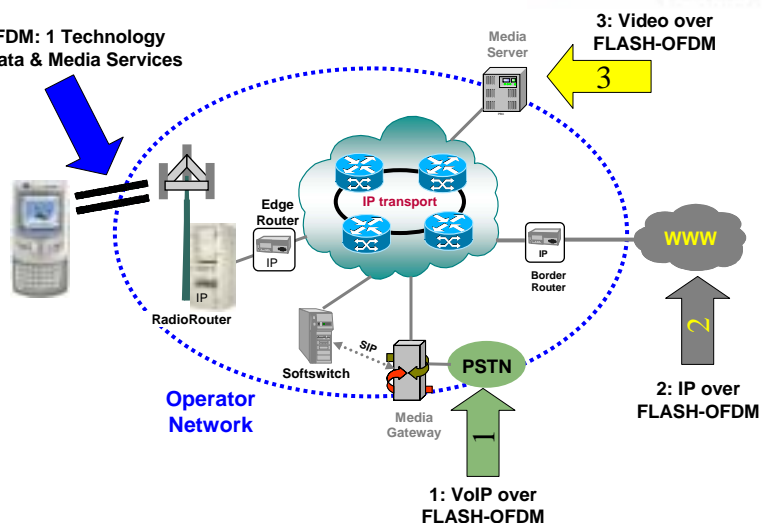
DoCoMo, Siemens, Motorola have all demonstrated high speed data using OFDM



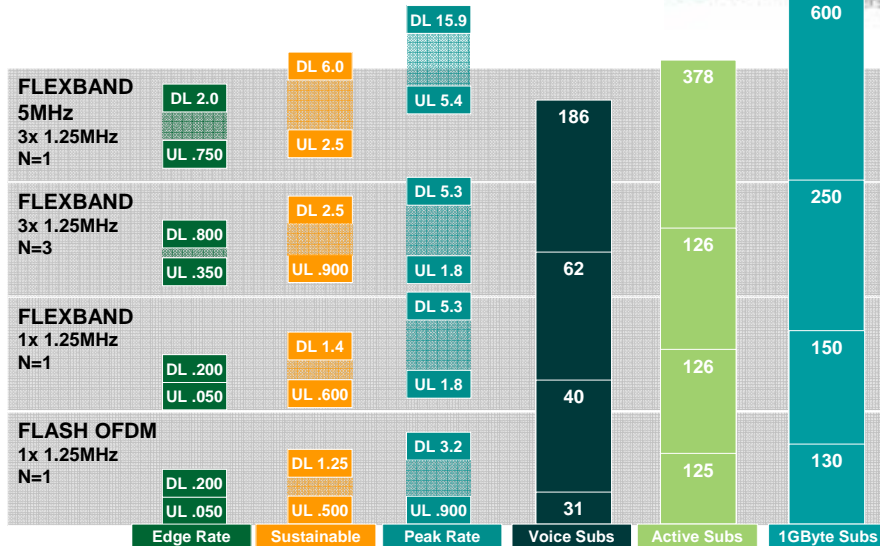
Flash-OFDM Triple Play – One Technology for Three Services



FLASH-OFDM: 1 Technology for Voice, Data & Media Services



Flarion Flash-OFDM Sector Capacity



Summary



- The industry is migrating towards a Multi-Access, Multi-Technology world
- OFDM is the technology that will deliver mobile broadband to the mass market
- First: Mobilise the Computing Experience
- Second: Mobilise Consumer Data Access
- Users don't like change: Keep it Simple
- Access is key – How it is delivered is critical to revenue growth