Network Generation
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Blade Ventures
www.bladeventures.com
Blade Ventures’ focus is on companies that drive the adoption of leading edge information, media, sensor and related systems technologies. Through select partners, we will also invest in life science opportunities such as medical devices, diagnostics, and operations-enhancing information technology. Our portfolio companies are capable of playing a disruptive role in emerging, high growth markets, and they are led by talented management teams that have a long-term commitment to the success of their company.
What’s Driving the Change – Key Conclusions

1. In four years (2013), annual IP traffic will be measured in zetabytes

2. IP Video = higher IP traffic

3. Wireless will remain a relatively small contributor to overall IP traffic, but it is a crucial thread that connects people, applications, data, companies through the internet

4. The needs of today are forcing interoperability globally, over multiple industry segments, across heterogeneous infrastructures, from the internet to the consumer
Cisco’s June 2009 Forecast

For more details, see the paper entitled “Cisco Visual Networking Index—Forecast and Methodology 2008–2013.”
Source: Cisco VNI, 2009
Cisco’s Global Consumer Internet Traffic Forecast 6/09

Exabytes per Month

34

2008 2009 2010 2011 2012 2013

Source: Cisco VNI, 2009
Where are we Today?

- Service providers under competitive pressures
- Capacity scaling alone will not solve the demand problem
- The applications/users causing greatest increase in demand (e.g., YouTube) aren’t paying their way
- Social media and mobile applications are in early stages of their evolution, but have the potential to accelerate new business models
- Increasing pressure on use of energy, space and natural resources
- Capital impaired financial markets

“Necessity is the mother of all invention” . . . (and bandwidth use restrictions)
Selected Interest Areas for Venture Capital

• More efficient utilization of existing infrastructure
• Management and monetization of infrastructure, by providing value added service offerings
• Smart sensor networks (e.g., smart grid technologies)
• Disruptive applications enabled by hyper-connectivity
• Monetizing social media
• Security
Wireless Healthcare Opportunity

• History: Regulatory, cultural and ecosystem barriers have retarded the adoption of technology and structured engineering practices
• Disruptive: Impacts patient outcomes, cost, efficiencies, and sustainability
  – Closed Loop Feedback Systems (research, clinical, tunable devices)
  – Med Device: Remote monitoring, compliance, distributed services
  – Hospitals: workflow process, networked services, remote consults
  – Telemedicine, assisted care, mobile clinics, etc.
• Focus: sensor technology, wireless communication technology, disruptive medical device applications
• Cross disciplinary opportunities: life science, behavioral science, information technology, nanotechnology, etc.