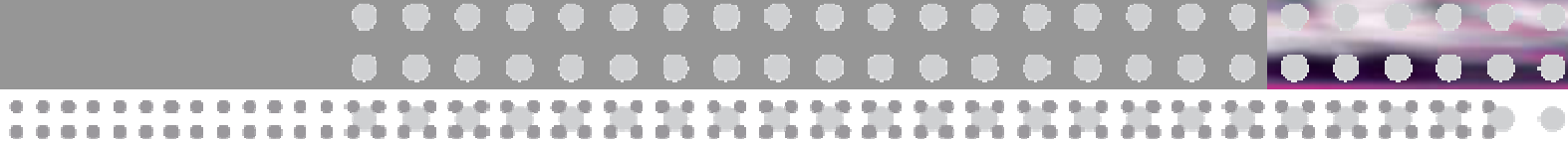


Alcatel-Lucent's LTE The future in mobility



Stephane Delaporte
Global Account Director in charge of EU Institutions & Agencies
Alcatel-Lucent

September 2010

Telecom Operators Market is changing...



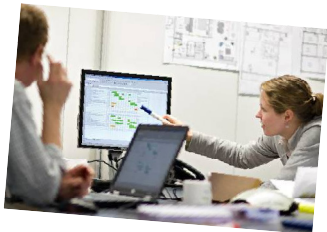
Data & Video Services on Internet explode

Cheap broadband access, numerous multimedias handsets, increasing number of contents..



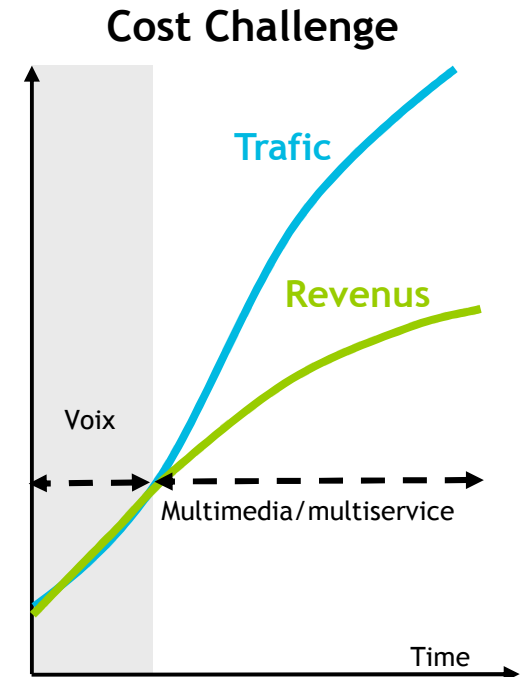
... subscribers want more and more ...

Permanent access to fee-based services, personalization, interactions, on any device, anywhere, anytime



... and want to use third-party contents

Free, financed by advertisement, independent from the operator



Users demand more



Consumer End User

- Find, connect, and *interact* with the people and brands they love
- High *quality* content on every screen, all the time
- Network *reliability*
- *Security* and privacy in every transaction



Business End User

- *Integrated* consumer services and enterprise apps
- *Real time*, contextual communications, with instant *collaboration*
- *Knowledge* that's on time
- Work/life *balance*



Business/IT Management

- Reduce *cost* while increasing *speed*
- Deliver *unified* communications and online collaboration
- World class customer service via Analytics and process *automation*
- Worry free *security* and *control* of data and assets

Blended applications

USB dongles: 147 million devices in 2014



Smartphones will represent 41% of the total wireless devices in 2012



Connected home and devices



Over 4 Billion mobile voice subscribers worldwide



Connected devices will be 10 x world population by 2025



Real-time intensive traffic

Real-time bursty traffic

Best effort bursty traffic

Real-time moderate traffic

Best effort

Ecosystem diversification puts new constraints on wireless networks

LTE is the answer

Long Term Evolution

LTE is a combination of:

- ADSL
- Broadband
- Wimax
- Wifi
- 3G+
- ...

Mobility everywhere:

- Home
- Office
- Street
- Car & other transportations

Always connected through various devices:

- Mobile devices
- Any type transportation
- Any device with electronics
- PC/Tablettes/ ...
- Street boards
- ...
- Car (Fun + Security)
- Professional devices & machines

Full & Continuous Media blending

In telephony, we no longer talk about « calls » but « sessions »



A flexible technology addressing user expectations & operators challenges

LTE's impact on 112 Services

Broader Range of Devices To Be Contacted From

- New smart mobile devices
- PC / Tablettes
- Pretty much any device with electronics

Easier Caller / Accident Localisation

Better Visibility of Situation

Seamless Communication Continuity:

- PSAP
- Witnesses
- People in accident
- Mobile phones, ...

Multi-Party & Multimedia Sessions:

- PSAP
 - Fire Brigade
 - Ambulance
 - Remote doctor, ...
- Mixing:
- Voice & Video
 - Interconnected devices
 - ...

More Effective on Accident Interventions



Worldwide Adoption by Carriers



- 2 large scale deployments
- 40+ LTE trials worldwide:
 - 11 trials in Americas
 - 12 trials in Asia Pacific
 - 20 trials in Europe
 - ...



LTE in video

<http://www-lte.alcatel-lucent.com/#>

www.alcatel-lucent.com

