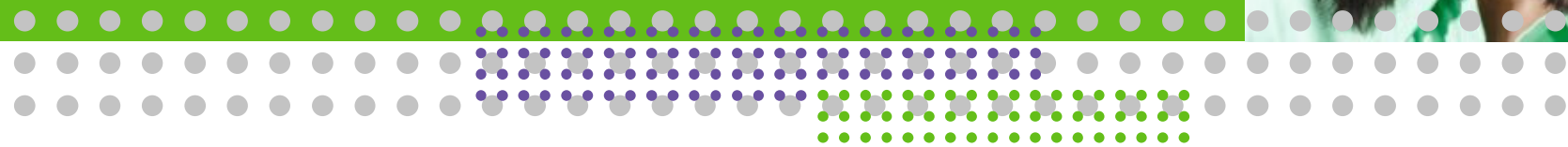
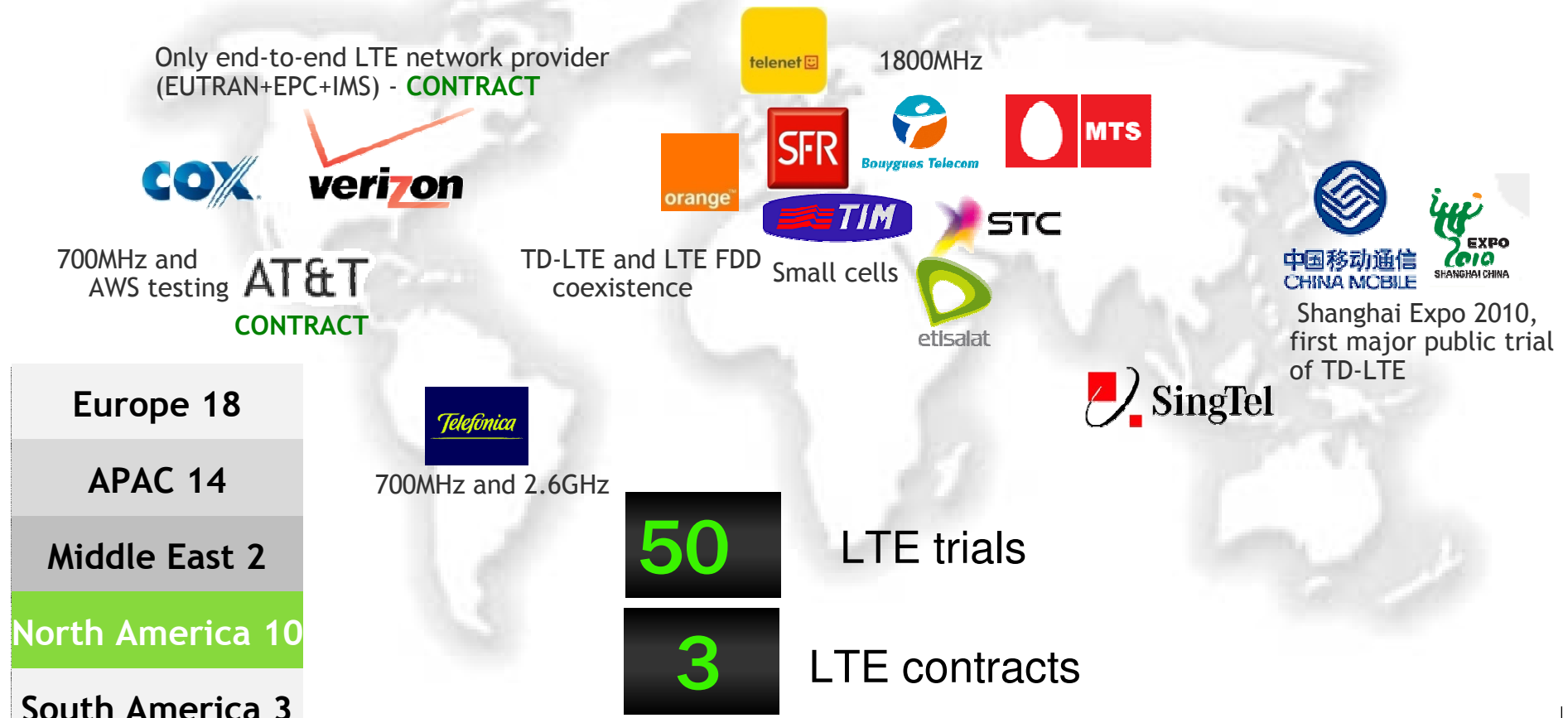


# LTE Network Build-out



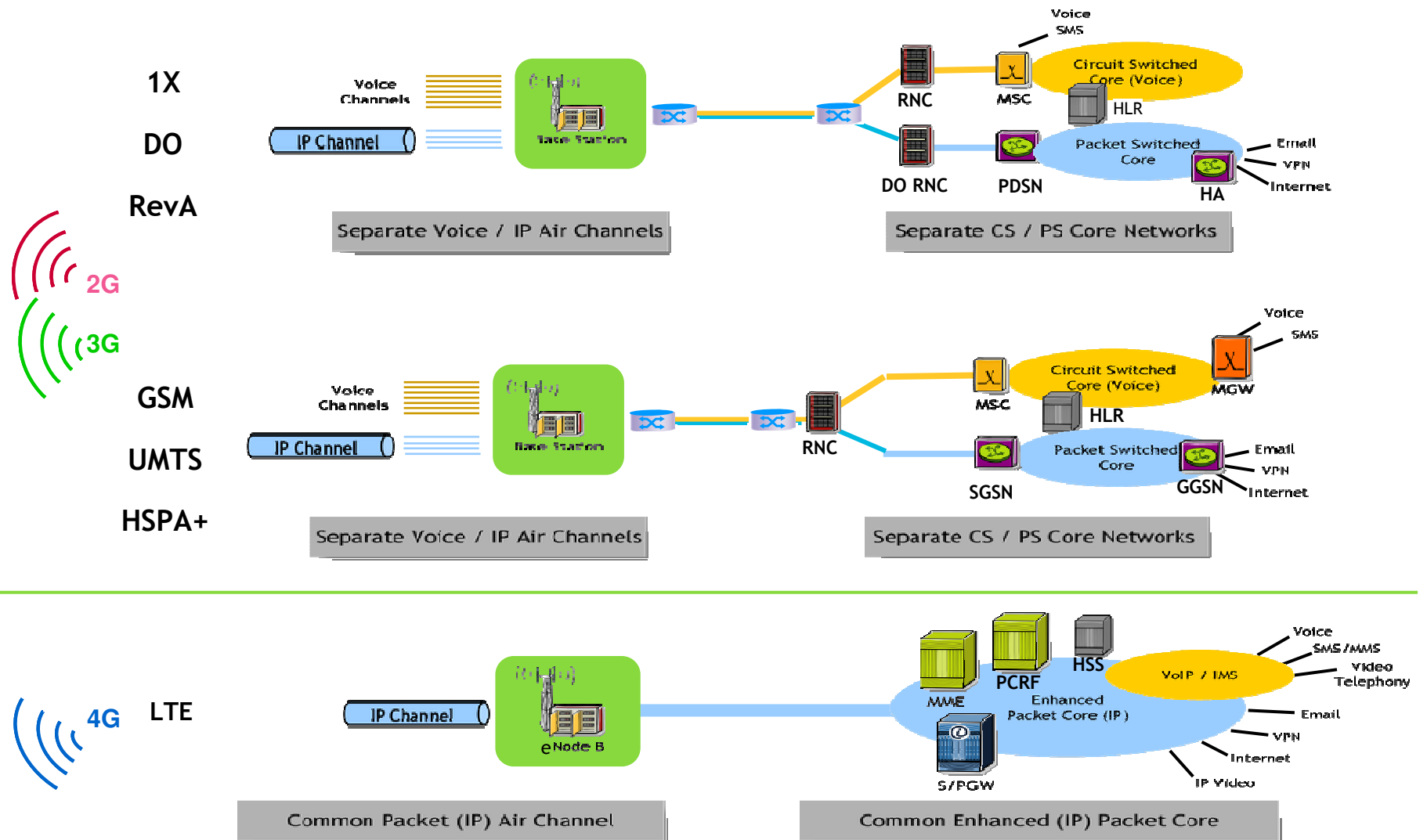
Amit Patel  
CTO, US National and Strategic Accounts

# ALU Solution Validation By Major Customers

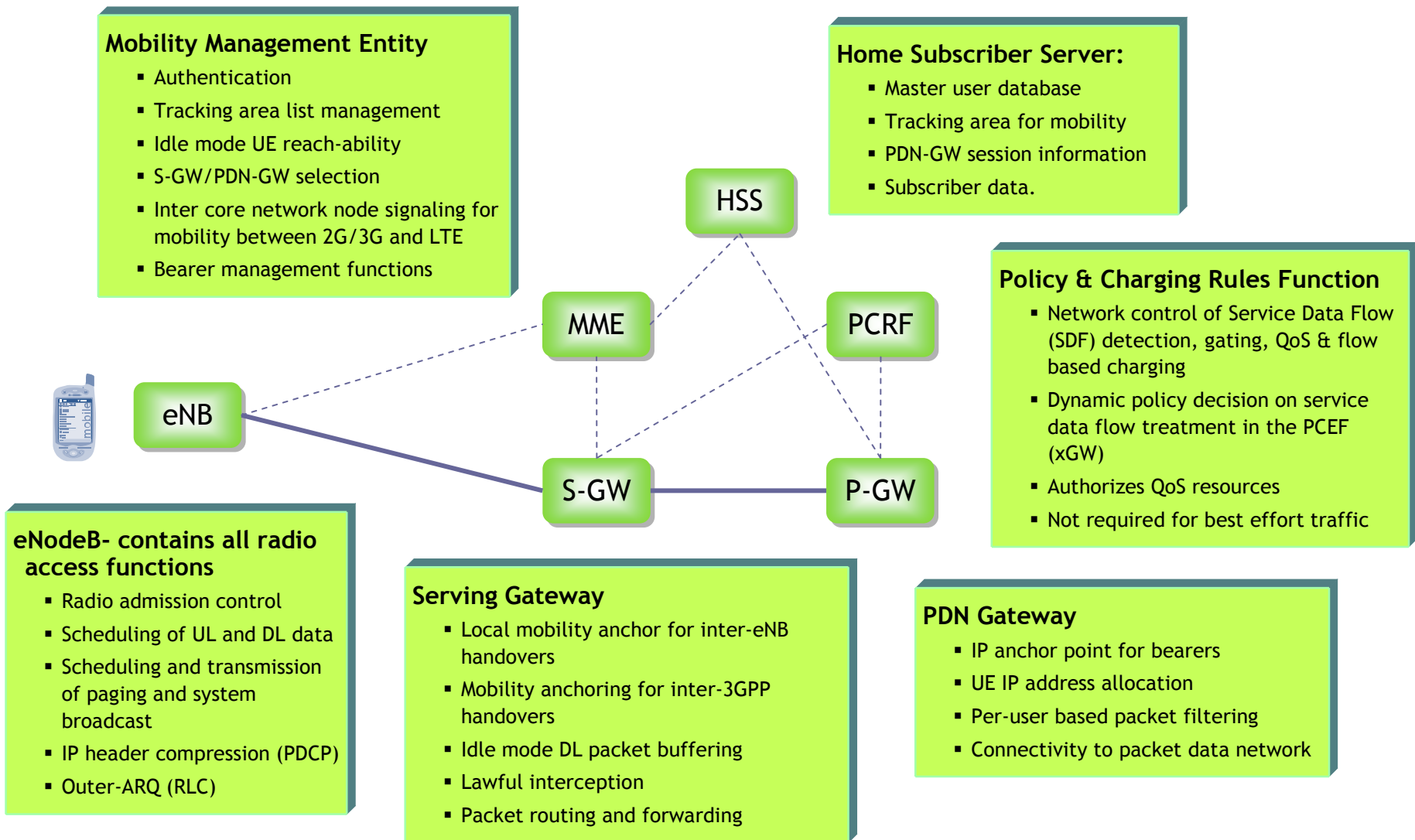


Alcatel-Lucent Is a Leader in LTE in the US and Globally

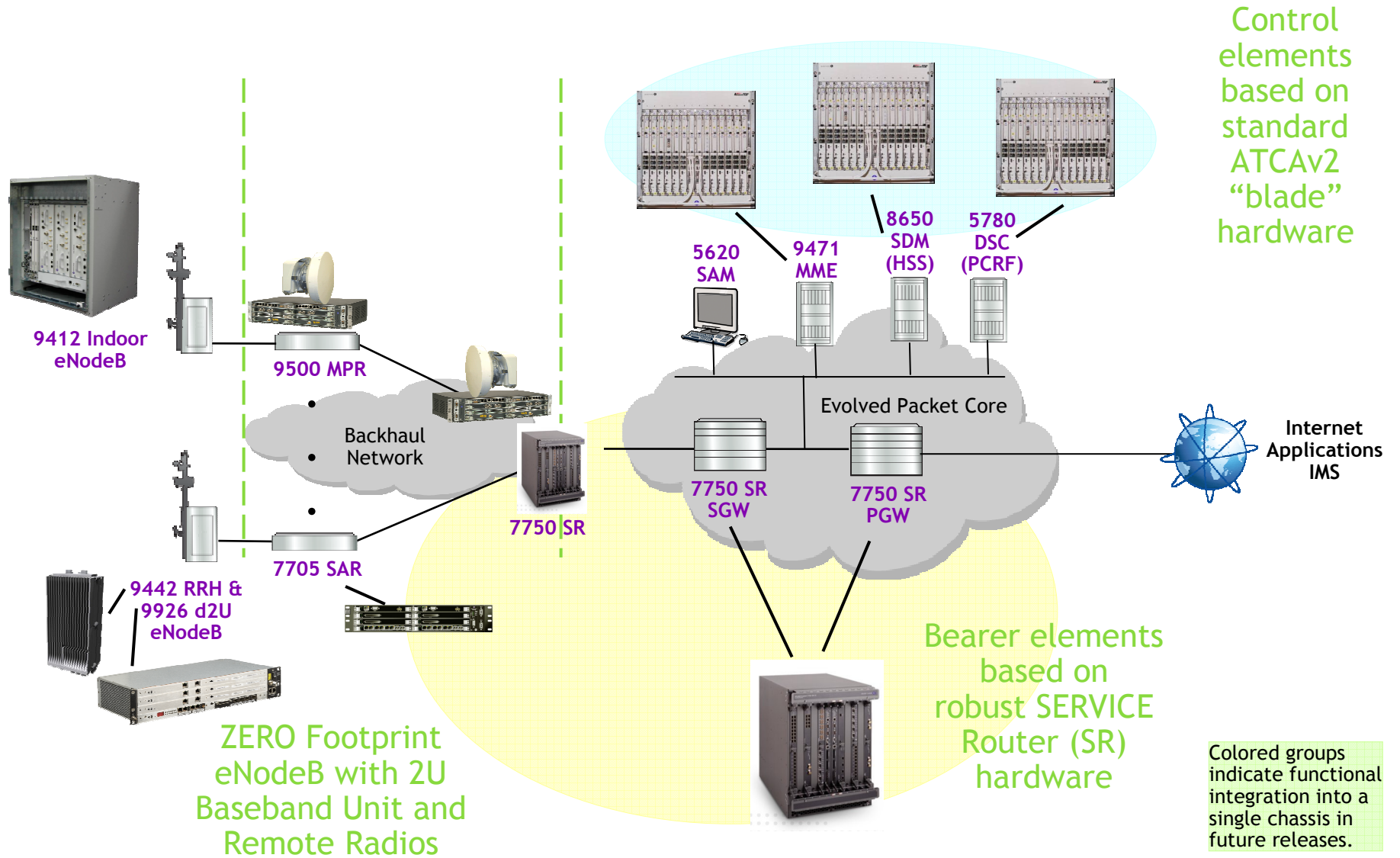
# CDMA/GSM-UMTS/LTE Architectures



# LTE Architecture Functional Description



# Alcatel-Lucent LTE Solution Architecture

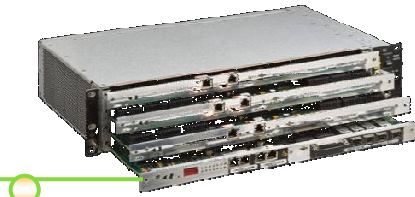


# ALU Support For Different Spectrum in the US

**9442 RRH2x40  
(spectrum  
dependent)**



Fiber



**9926 d2U  
(spectrum  
agnostic)**

Customer Driver	Band	Trial Availability	Generally Available
Verizon	BC13 - 700 MHz Upper C	3Q2009	1Q2010
AT&T	BC17 - 700 MHz Lower B/C	3Q2009	4Q2009
AT&T, MetroPCS, Cox	BC4 - AWS	3Q2009	3Q2010
Public Safety	BC14 - 700 MHz Pub Safety	2Q2010	4Q2010
MetroPCS, Sprint	PCS	1Q2011	2Q2011
Cox, USCC, CellSouth	BC12 - 700 MHz Lower A/B/C	3Q2010	2Q2011
Harbinger	L-Band	4Q2010	2Q2011
TBD	BC2 - Cellular	TBD	TBD

# ALU is Helping to Drive the Ecosystem via the ng Connect Program



- Accelerate innovative services
- Enable new business models
- Attract open innovation
- Enable continuous experience wireline and wireless access

Consumer media & entertainment

Enterprise collaboration & e-Healthcare

Automotive connectivity

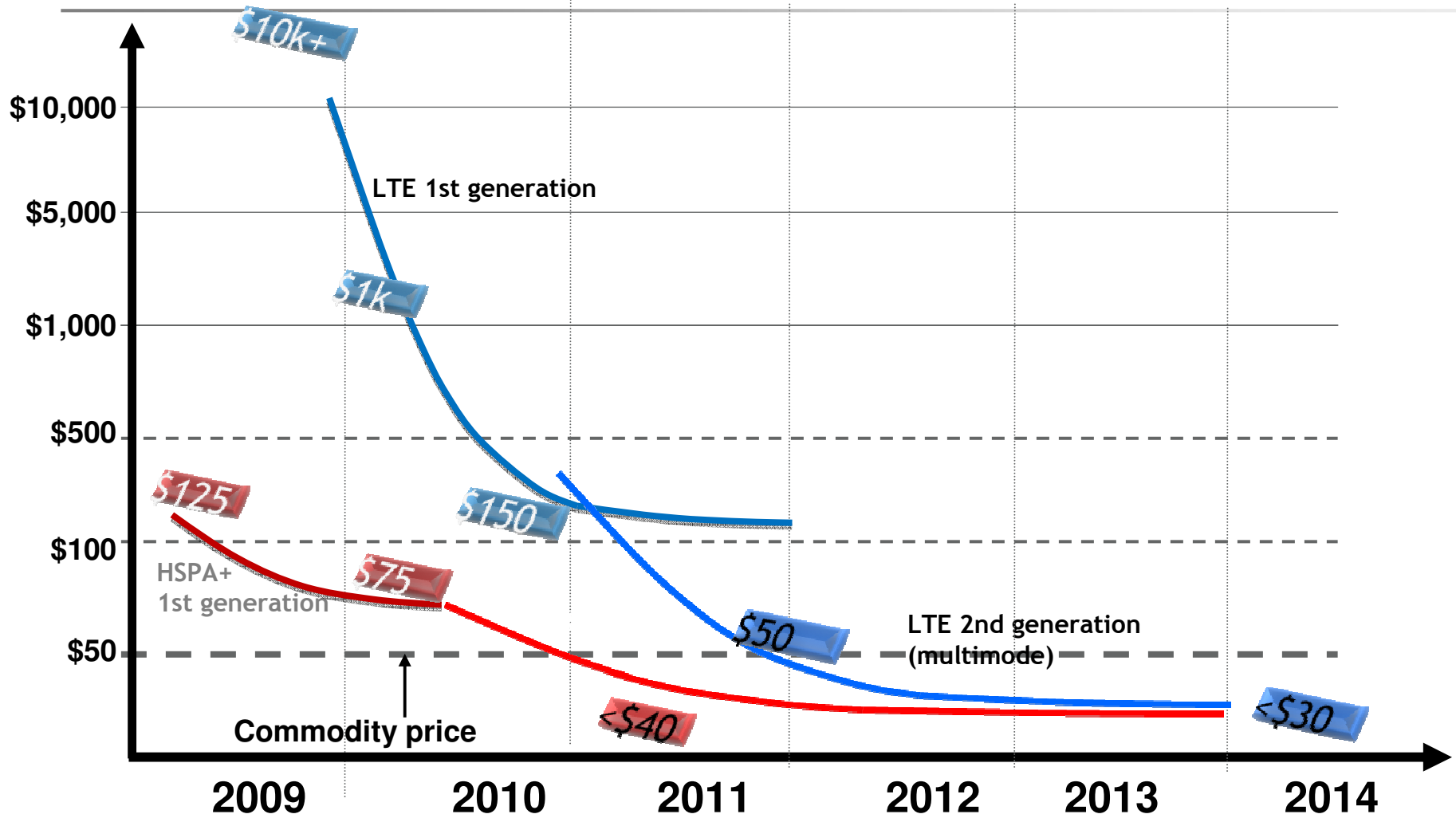
Computing experience

Digital signage



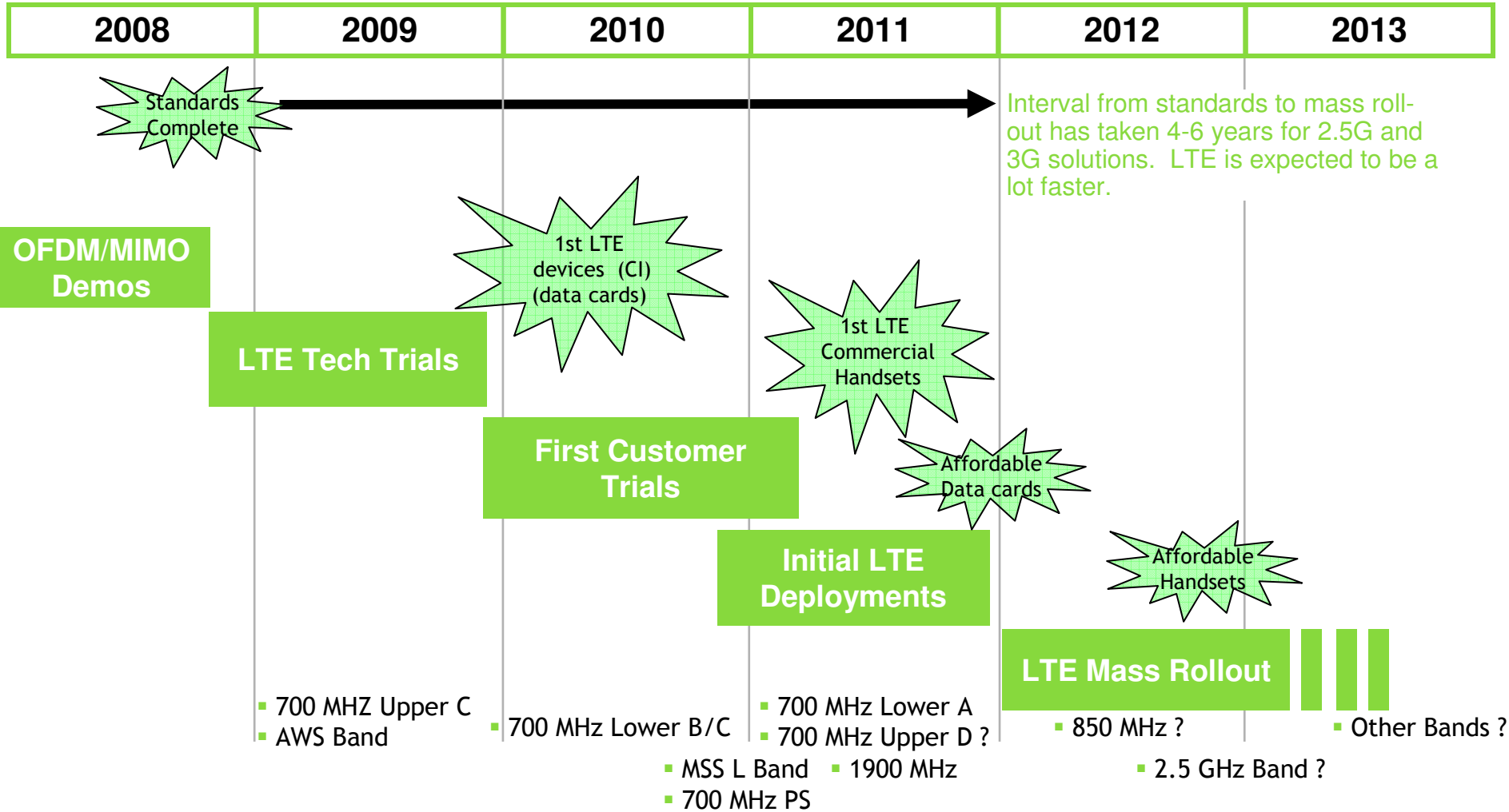
A unique ecosystem to improve time to market/revenue opportunities & reduce risk

# LTE Devices Ride a Steeply Declining Cost Curve (USB Wireless Adaptor Pricing - Per Category/Generation)



LTE Delivers Sub \$50 Devices by Late 2011

# “Guesstimate” US Timeline for LTE



First Commercial Releases of LTE Are Almost Here. The Eco-System for Data Cards and Devices Is In It's Infancy, But Developing Faster Than With 2G/3G.