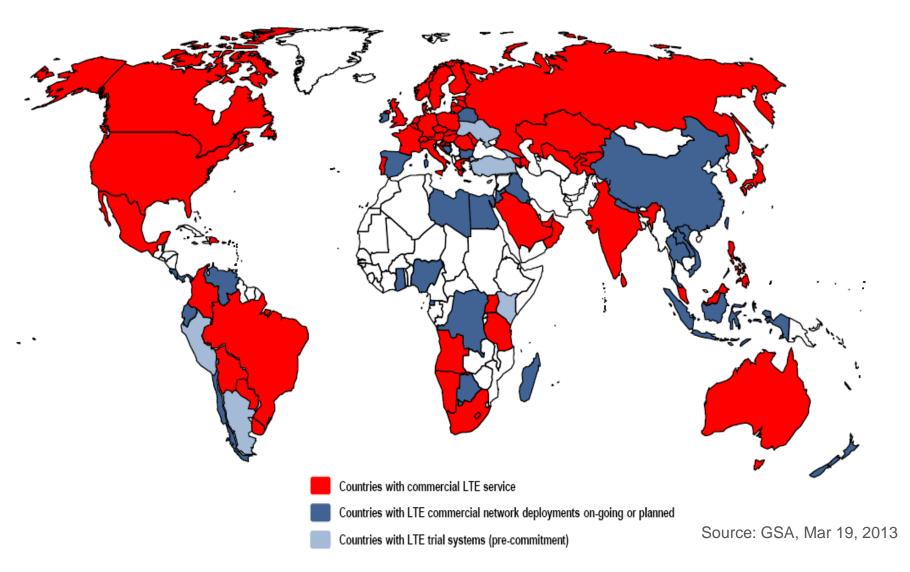
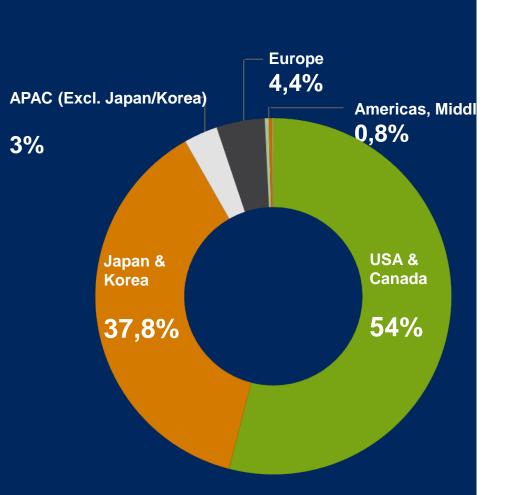
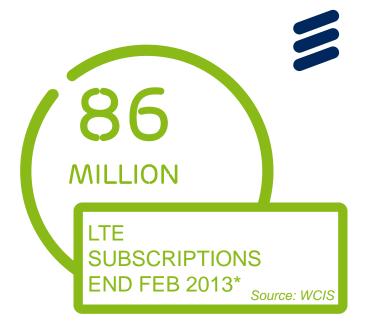


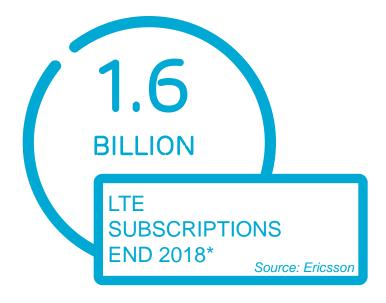
# 156 LTE NETWORKS LAUNCHED IN 67 COUNTRIES - ON 6 CONTINENTS









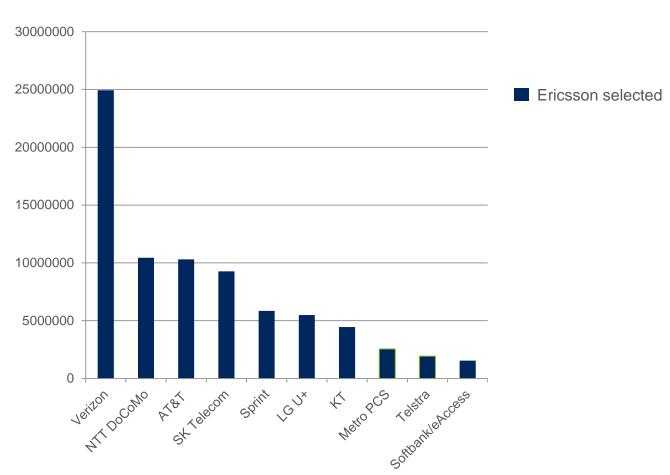


# TOP 10 LTE OPERATORS IN Q1, 2013 BY SUBSCRIPTIONS





2X MORE THAN #2

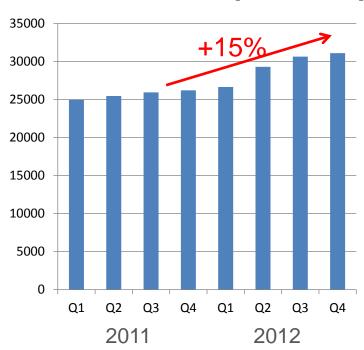


Ericsson present in high traffic markets and powers the top10 LTE operators' live networks

### LGU+ A LTE SUCCESS STORY



#### Service ARPU Trend [Korean Won]



- > Subs +6.8%, coverage advantage
- > 43% subs migrated to LTE
- > 10% of LTE subs using VoLTE
- ARPU: +15% YoY
- Transition from Unlimited to Tiered

## ECO SYSTEM

3

Over 20 bands supported e2e

FDD & TDD Combined



> LTE Bands on device



-2010: 1 band



-2012: 5 bands

-2013: 6 and more

-2014: 12-20 bands







### EVOLUTION OF MOBILE BROADBAND



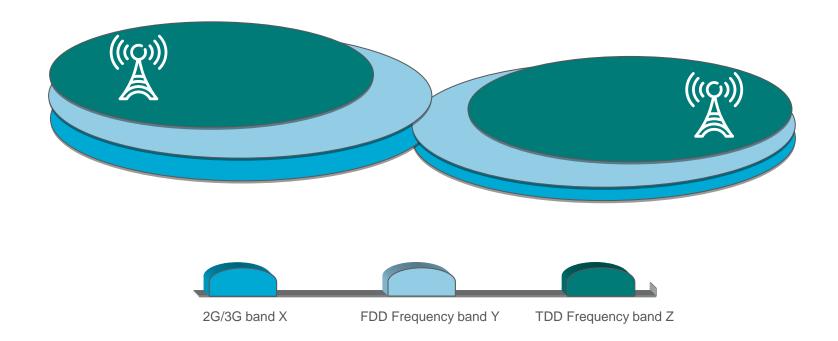
21 Mbps

The property of the p **1000 Mbps** 

Market impact	2013	~2016
Peak rate	~150 Mbps	~1000 Mbps
Typical user rate downlink	10-100 Mbps	Operator dependent
Typical user rate uplink	5-50 Mbps	Operator dependent

# LTE VISION





#### CARRIER AGGREGATION LTE ADVANCED NOW COMMERCIAL



What is it?

Exploitation of fragmented spectrum to obtain higher bandwidth i.e. higher data rates

Inter-band aggregation

Intra-band aggregation, contiguous component carriers

Intra-band aggregation, non-contiguous component carriers









band B



band B

band B



3GPP approved

21 combinations +13 coming

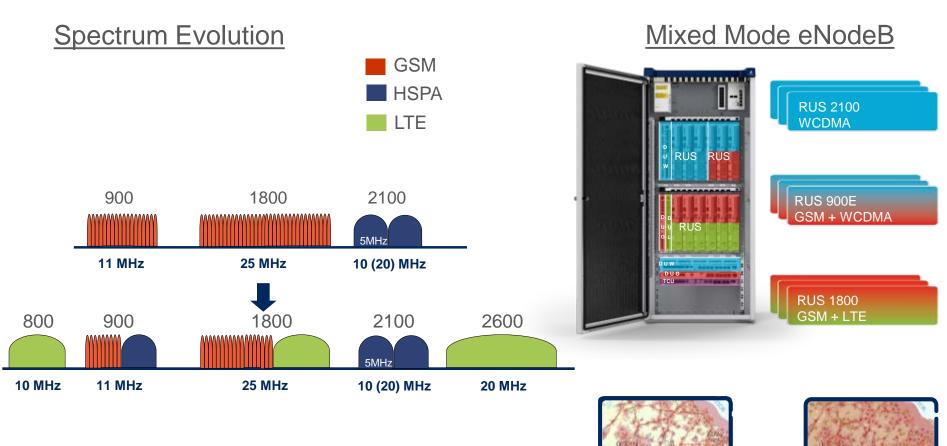
4 bands (+5 Release 12)

(4 bands in Release 12)

FDD Commercial Launch Mid-2013 Frequency combinations driven by early customers Up to total 20MHz initially, more to follow

# CA EVOLUTION EUROPE



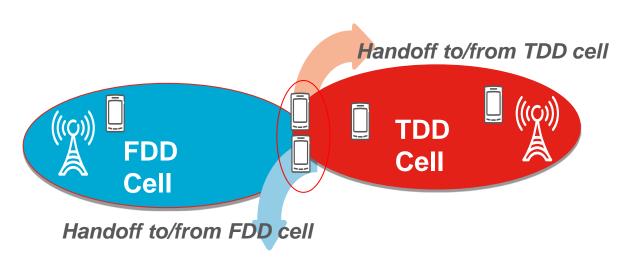


# LTE TDD AND FDD INTERWORKING



#### FDD / TDD advantage

- Mix and match available TDD / FDD spectrum
- Add TDD for capacity
- Load balance traffic across TDD and FDD cells
- FDD-FDD and TDD-FDD handoff work the same





LTE TDD and FDD perform as a unified network

### WORLD'S FIRST FDD/TDD NETWORK CHINA MOBILE HK







FDD2600, TDD2300



Converged & seamless TDD / FDD solution Commercially launched

#### 14 LTE TDD DEPLOYMENTS



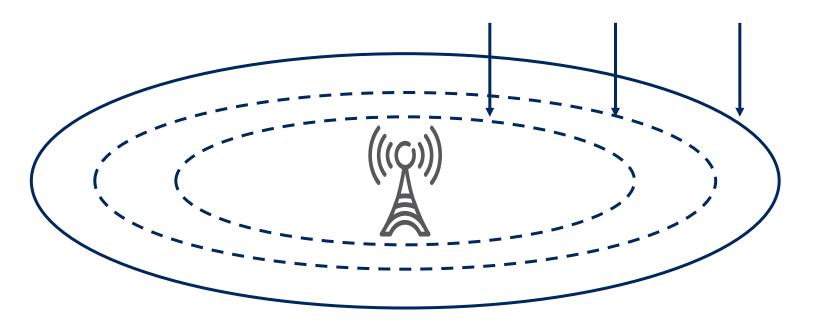
Country	Operator	Frequency
Australia	NBN Co.	Band 40
Brazil	On Telecomunicacoes	Band 38
Brazil	Sky Brazil Services	Band 38
Hong Kong	China Mobile HK	Band 38
India	Bharti Airtel	Band 40
Japan	Softbank XGP/LTE TDD	Band 41
Oman	Omantel FDD and TDD	Band 40
Poland	Aero2 FDD and TDD	Band 38
Russia	MTS Moscow	Band 38
S. Arabia	Mobily	Band 38
S. Arabia	STC	Band 40
Sri Lanka	Dialog Axiata	Band 40
Sweden	3 Sweden FDD and TDD	Band 38
UK	UK Broadband	Band 42,43

Source: GSA, Mar 19, 2013

### RETHINK COVERAGE



Video Music Voice streaming streaming coverage

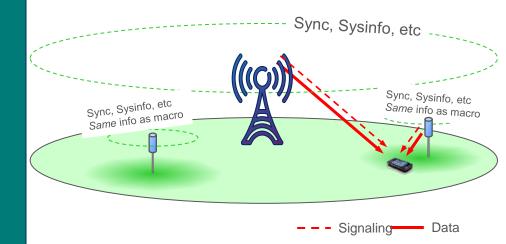


App Coverage: every app has its own coverage map

### COMBINED CELL

3

- Small Cells no salvation on its own. Creates interference.
- Coverage boost
- Seamless Mobility no handover within cell
- Efficient small RRU transmits when needed
- Ericsson's the world leading small cell SW provider.



Combined cell boosts system capacity and data rates with minimal interference

# VOLTE LEADERSHIP LARGE SCALE COMMERICAL LAUNCH









10% of LTE subs on VolTE

99.9% service accessibility

<0.2% call drop rate

# 5 KEY HD VOICE NEEDS



Sharing Feelings

ing reelings

Doing Business

Social Networking

Emergencies

Communicating Information



Intimate and emotionally charged conversations with close friends and family



Daily professional dealings with colleagues, boss, clients, suppliers...



Connecting with family/social network to plan and organize encounters



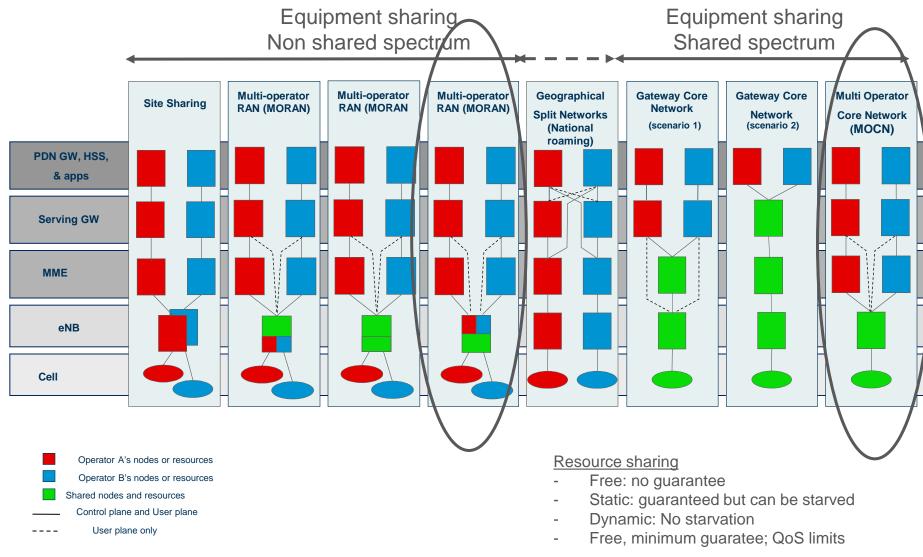
Managing and solving the unexpected minor crisis' in everyday life



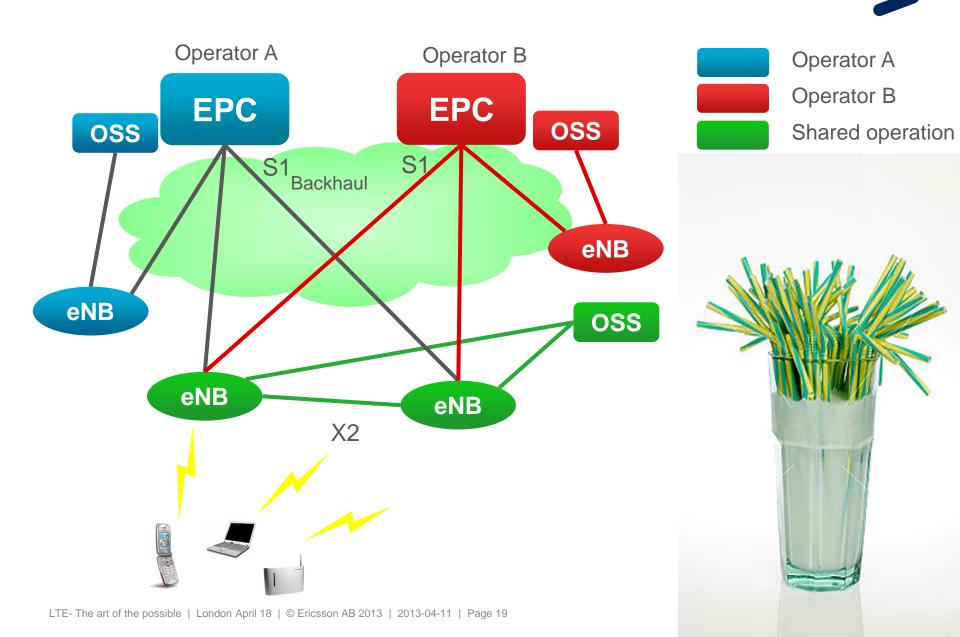
Transmitting and receiving daily "data" (dates, schedules, telephone numbers...)

#### SHARED NETWORKS LTE SCENARIOS

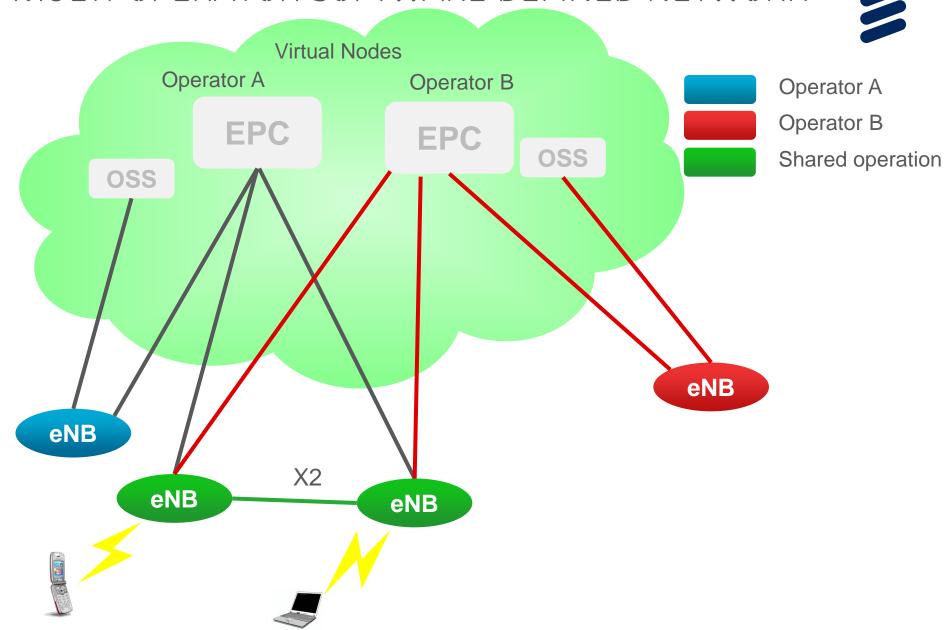


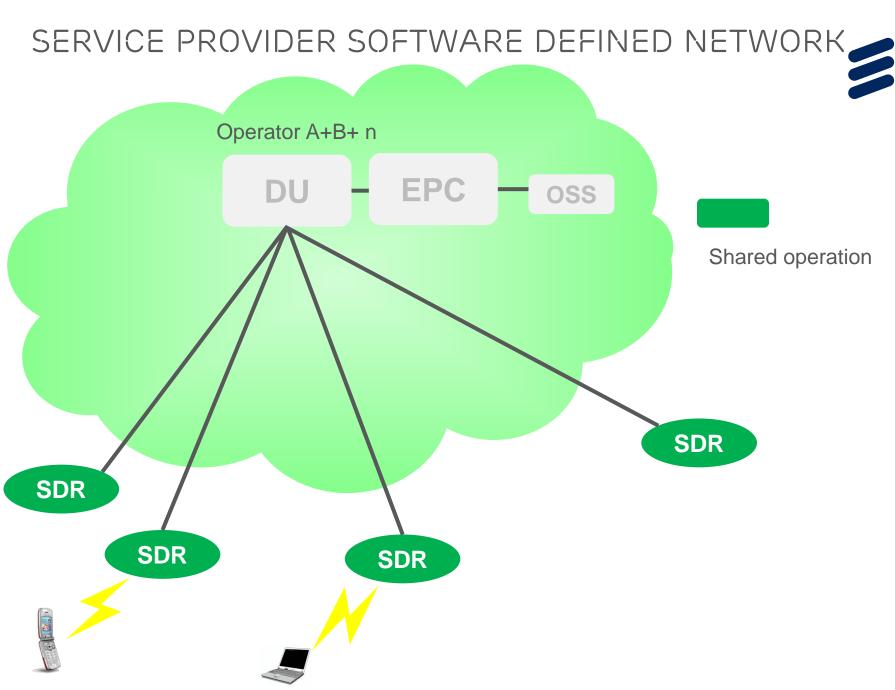


# OVERVIEW MULTI-OPERATOR CORE NETWORK



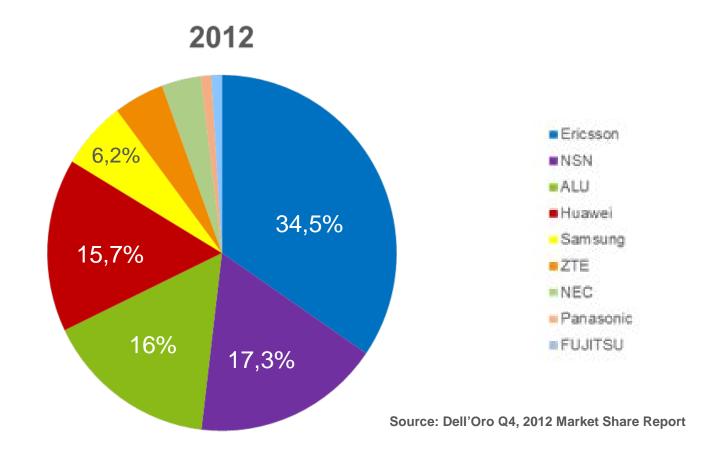
#### MULTI-OPERATOR SOFTWARE DEFINED NETWORK





# LTE RAN- TOTAL MARKET SHARE BY REVENUE





Ericsson share - more than the #2 and #3 vendors combined!



# LTE BY ERICSSON



1

LTE RBS every 4th minute

100

Commercial LTE Contracts Globally

100 000

LTE RBS in Commercial Operation Globally

age 23



# **ERICSSON**