

REAL PERFORMANCE IS ALL THAT COUNTS

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CONTINUED GROWTH IN MOBILE DATA TRAFFIC

BILLION

mobile subscriptions by the end of 2020

growth in smartphone traffic between 2014 and 2020 0

55%

of mobile data traffic will come from video in 2020



AFTER **4 SECONDS** 10 % OF USERS ABANDON ONLINE VIDEOS



10 SECONDS

AFTER

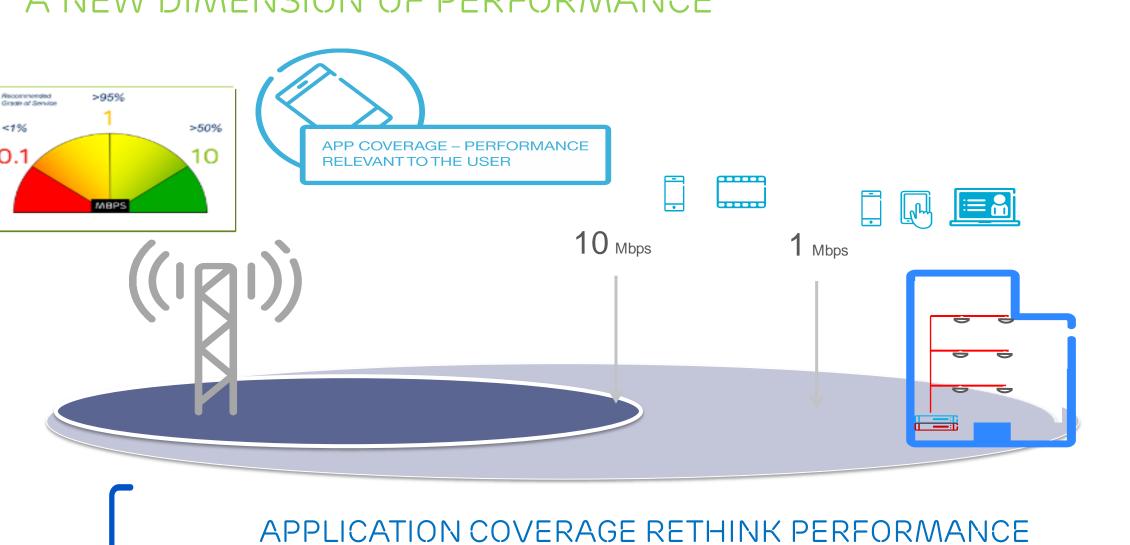
40% OF USERS HAVE GIVEN UP....

For Web browsing:

25% of users abandon after 4 seconds 50% of users give up after 10 seconds



APPLICATION COVERAGE A NEW DIMENSION OF PERFORMANCE



Recommended

<1%

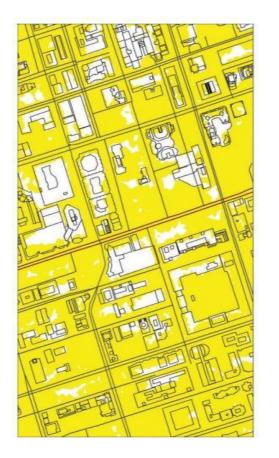
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APPLICATION COVERAGE A NEW DIMENSION OF PERFORMANCE

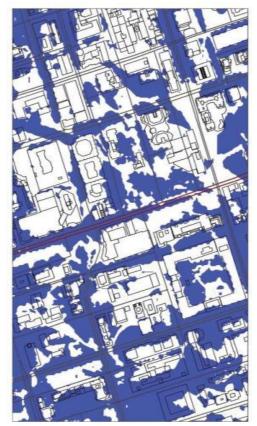


City plan view without mapped coverage

Voice coverage (12.5 Kbps) Music coverage (160 Kbps)



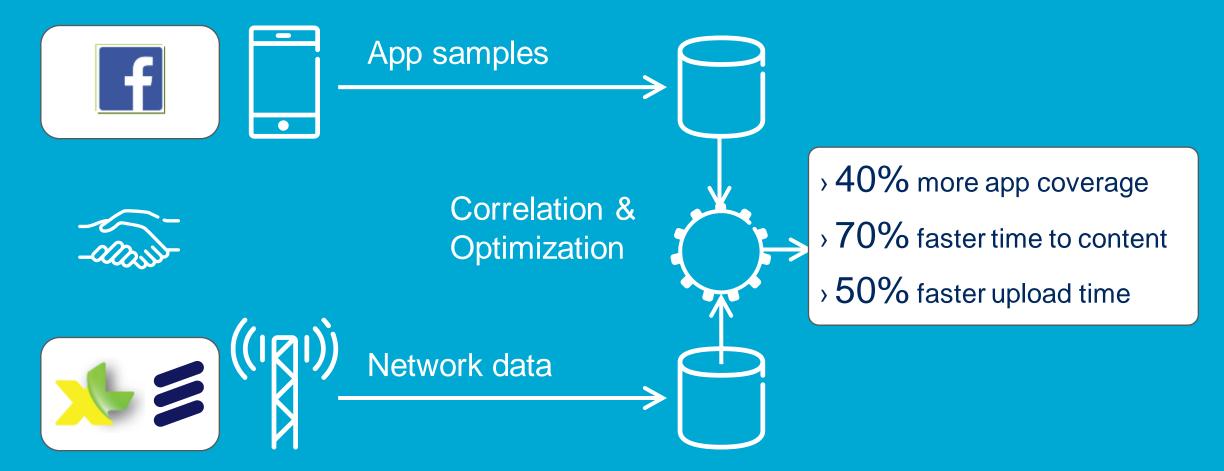
Video streaming coverage (720 Kbps)



"Every app has its own coverage map"

INFOCOM Mobile World | © Ericsson AB 2015 | 2015-02-26

USE CASE: FACEBOOK EXPERIENCE OPTIMIZATION

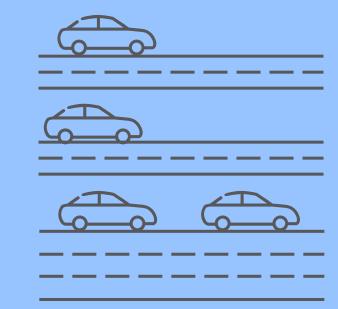


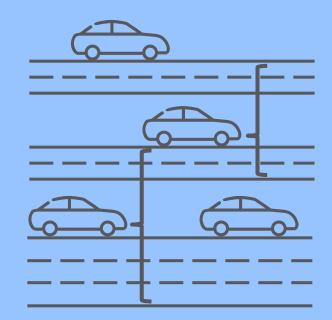
"...correlating Facebook application use cases with network-wide statistics has proven to be an innovative and efficient way to detect and address network optimization opportunities" CEO, XL Axiata

SPECTRUM EVOLUTION- LTE CARRIER AGGREGATION









SINGLE CARRIER

ALL UES COMPETE ON SAME CARRIER

MULTIPLE CARRIERS

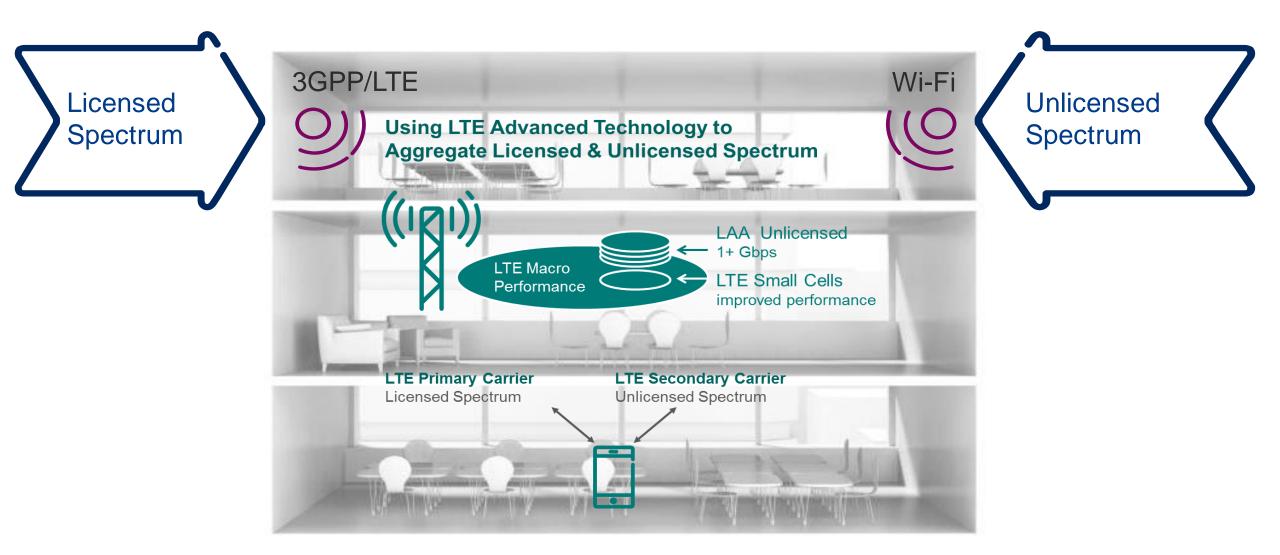
UES ARE DISTRIBUTED

MULTIPLE CARRIERS & CARRIER AGGREGATION

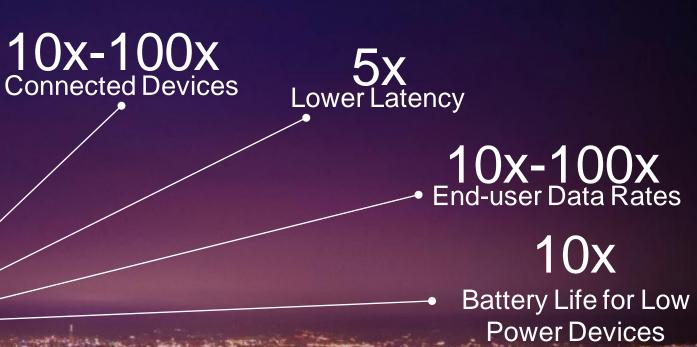
- UEs ARE DISTRIBUTED
- CA UEs USE MULTIPLE DOWN LINK.

3GPP – WIFI COEXISTENCE





EVOLUTION TOWARDS 2020





1000x Mobile Data

Volumes

Source: METIS

5G USE CASE EXAMPLES











Broadband experience everywhere anytime

Massive Machine Type Communication Mass market personalized TV

Critical Machine Type Communication



NEED 4 APP EXPERIENCE ! LET'S MAKE IT HAPPEN