# Enhancing Life

# **FTTH MENA Panorama 2017**

Annual Study by FTTH Council MENA & Idate MENA Broadband Status

**Market at September 2017** 



# **Agenda**

# Study Background

- Objectives
- Available results

# Status of Broadband in the region

- Leading access technologies
- National programs

#### FTTH/B in MENA

- Overview
- Overall figures
- Main trends in MENA's market

#### MENA FTTH/B main trends

- FTTH/B subscribers trends
- FTTH/B Homes Passed distribution
- FTTH/B technologies
- FTTH/B Take Rates in MENA
- Services: maximum speed rates and average tariffs

# Conclusion – Main outputs





# **Study Background Objectives, available results**





# **Objectives**

- Mission on behalf of the FTTH Council MENA
- Objective: to provide a complete summary of the status of FTTH/B in MENA at **Sept. 2017** 
  - 17 countries analyzed (1)
  - Distinction between architecture: FTTH/B vs FTTN (FTTN/C+VDSL, FTTx+Docsis 3.0)
  - Information on the national Broadband market (national program, regulation, overall figures)
  - FTTH/B Definition by FTTH Councils Worldwide<sup>(2)</sup>



## Characterization of each project includes:

- Organization initiating the project
- Key parameters & Figures
- Technical parameters
- Financing & Business model

# Methodology used



- Desk research
- Bottom up approach
- Direct contacts with FTTH players (questionnaires, phone interviews) & IDATE's partners in MENA
- Information exchange with FTTH Council MENA members
- (1): Algeria, Bahrain, Egypt, Iran, Iraq, Jordan, Kuwait, Lebanon, Libya, Morocco, Oman, Palestine, Qatar, Saudi Arabia, Sudan, Tunisia and UAE
- (2): FTTH/B definition available at: www.ftthcouncil.eu/documents/Publications/FCGA%20-%20Definition%20of%20Terms%20-%20Revisions2016.pdf





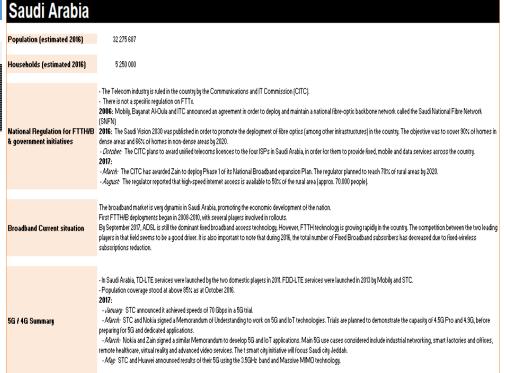
#### **Available results for MENA**

> About 50 projects listed in 17 MENA countries at September 2017

# **Quantitative**

# FTTx Evolution Subscribers Homes Passed FTTH/B Evolution (Total) Tunisie Telecom Ooredoo Orange Tunisia

# **Qualitative**







# Status of Broadband in MENA Leading access technologies – National programs





# Leading access technologies

> More than 29.5 million fixed BB subscribers and 269 million Mobile BB subscribers in MENA at September 2017

ADSL access technology is still leading the Fixed Broadband market but FTTH/B is growing more rapidly now in some countries (Bahrain, Kuwait, Lebanon, Tunisia and Oman) or is already leading in others (UAE, Qatar).

Ratio: FTTH Subscribers / Total Fixed BB Subs	
Bahrain	30,21%
Kuwait	14,64%
Lebanon	0,10%
Oman	11,05%
Qatar	97,15%
Tunisia	1,11%
UAE	99,81%

Source: IDATE for FTTH Council MENA

FTTH/B subscribers represent around 19% of total fixed BB subscribers in MENA by September 2017 compared to 9% one year ago

Mobile BB is the leading choice for many end users in 12 over 17 analyzed markets.

In terms of 4G and 5G development, the region has extended the deployment of 4G networks. **5G** deployment agreements & trials have been observed in countries such as Kuwait, Qatar, Saudi Arabia and UAE.





# FTTH/B in MENA

Overview, overall results, main trends in MENA





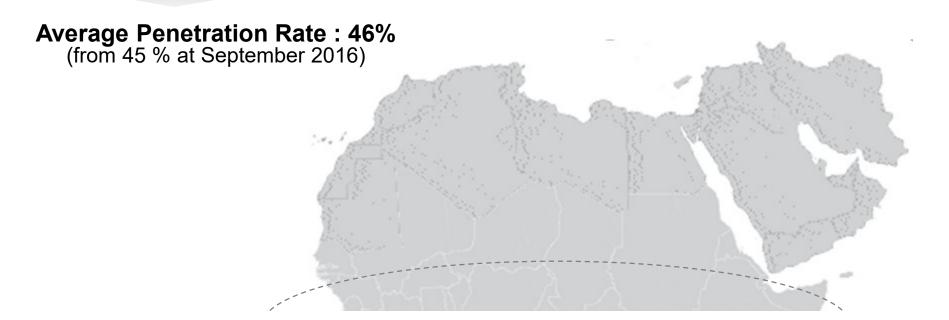
# FTTH/B in MENA – Overall Figures

# In September 2017

- > 2.83 Million FTTH/B subscribers
- > 6.14 Million FTTH/B Homes Passed

# YoY growth

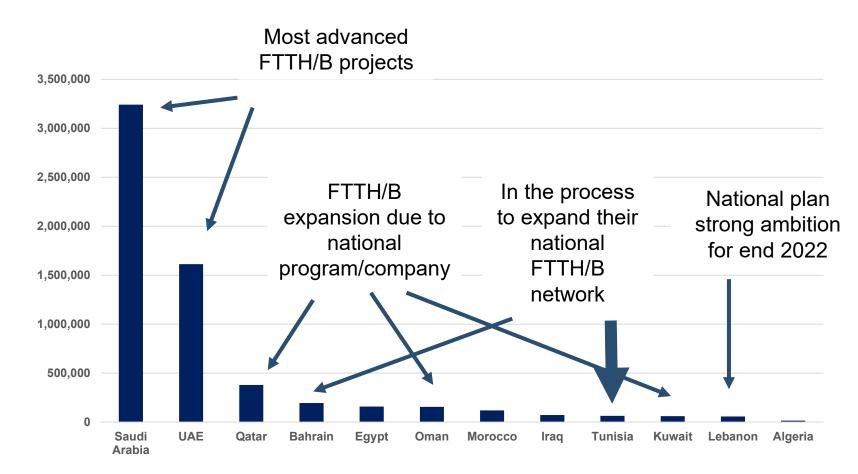
- Subscribers: +10% ... slower
- Homes Passed: +9% ... stable





### Main trends in MENA's FTTH/B market: Homes Passed

> 2 countries with significant rollouts, more than 1.5 million Homes Passed and this year it reached 3.2 million in KSA



Source: IDATE for FTTH Council MENA





# **Conclusion – Main outputs**





# **Main outputs**

# There are some significant and ambitious FTTH/B projects

- In UAE and Qatar: FTTH coverage over total households is now reached
- In Qatar: Ooredoo and QNBN program => QNBN is focusing now on Public Sites and is lightly used by Vodafone and Ooredoo.
- In **Lebanon**: It can be observed that there is a plan to increase the number of FTTH Homes Passed from 58 000 at September 2017 to 85% of households passed in a short term
- **Kuwait**: There is a national plan (MOC) that will increase the FTTH Homes Passed to 67.000 by 2017 and a third phase will be implemented in 2018 to increase to 100.000 homes passed.

# FTTH/B is a priority: no noticeable FTTN projects announced to date

- Most projects, operational or announced, tend to be FTTH rollouts
- However, FTTN + VDSL is still a good solution for players in countries where the Broadband market is not mature yet and the economical context still has to get improved (Morocco, Jordan): the objective of telcos there is to be able to provide higher speed rates to end users, whatever the architecture.

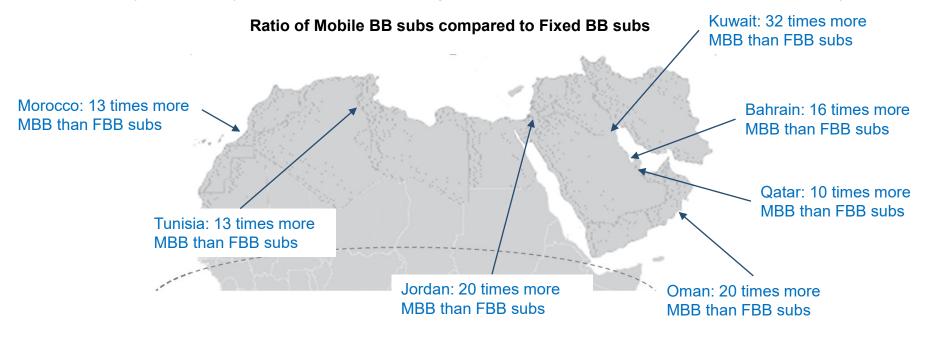




# Mobile BB as a competitor for FTTH in the region?

# A real leadership for mobile BB access technologies

 Mobile Broadband subscriptions overpass fixed Broadband subscriptions in several countries (Egypt, Morocco, Jordan,...), and this trend might not change even with the rollout of new networks (The deployment of 4G technologies could compete with Fixed BB services)



Source: IDATE for FTTH Council MENA

But this could be also an interesting opportunity for FTTH: not only because of the need for
interconnecting base station with fiber will increase (5G), but also because there is a trend to
demand higher bandwidth that fiber only can manage (Netflix 4K is coming in MENA !!)

# MENA is progressing in the global ranking!!

- UAE and Qatar still among World Leaders
- Two countries with good progress

- Bahrain : 25,7%

- Oman: 6%

6 MENA countries in total

