Enhancing Life

FTTH MENA Panorama 2013 Annual Study by FTTH Council MENA & Idate

Market at September 2013 and forecasts to 2018



Agenda

- Study Background
 - Objectives
 - Available results
- FTTH/B in MENA
 - Overview
 - Overall figures
 - Main trends in MENA's FTTH/B 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 based on FTTH/B
- Forecasts to 2018
- Main observations / drivers for FTTH/B in MENA



2



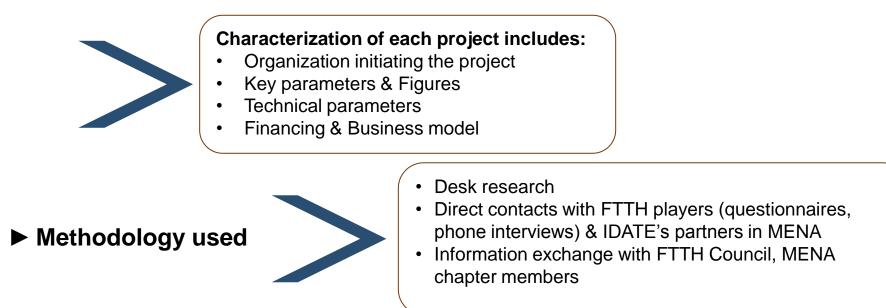
Study Background Objectives, available results





Objectives

- Mission on behalf of the FTTH Council MENA
- Objective: to provide a complete summary of the status of FTTH/B in MENA
 - 19 countries analyzed ⁽¹⁾
 - Distinction between architecture: FTTH/B vs FTTN (FTTN/C+VDSL, FTTLA, FTTx+LAN)
 - FTTH/B Definition by FTTH Councils Worldwide⁽²⁾



(1): Algeria, Bahrain, Egypt, Iran, Iraq, Jordan, Kuwait, Lebanon, Libya, Morocco, Oman, Palestine, Qatar, Saudi Arabia, Sudan, Syria, Tunisia, UAE, Yemen

(2): FTTH/B definition available at : http://www.ftthcouncil.eu/documents/Publications/FTTH_Definition_of_Terms-Revision_2011-Final.pdf





> About 43 projects listed in MENA at September 2013

Quantitative

	September 2013	
FTTH/B data	Nb of	Nb of Homes
	Subscribers	passed
Total FTTH/B in Egypt	3 800	132 700
Telecom Egypt	1 500	4 100
PHD	2 300	8 600
TMG	0	120 000

Qualitative

Telecom Egypt

Identification Operator/Organisation

Telecom Egypt, Egyptian incumbent, is owned at 80% by the Government.

Key parameters

In October 2009, Telecom Egypt has rolled out a FTTH network in one of the Cairo suburbs of Qatamiya. Telecom Egypt will expand its network in the rising new suburbs around Cairo and Alexandria. The deployment is continuing. But, as of September 2013, the coverage is still very limited. No specific schedule announced for the moment.

Initially, Telecom Egypt expected to provide Internet connection of up to 70Mbps and Triple play offers. But as of September 2013, the maximum speed rate marketed is 24Mbps and a cap of 160 GB for residential and business customers for LE1250 (~188USD) per month.

Businesses can also opt for an unlimited Internet connection with speed of up to 24 Mbps for LE1950 per month (~293USD).

The incumbent provides also TV service under the brand name TE-VU since November 2006. This offer includes thematiq TV channels (religion, news and entertaining), streaming and on-demand video and is available for all ADSL customers.

Figures	
Number of Households/Business Units passed	3,500 homes passed at Dec. 2011 (IDATE estimates) 3,800 homes passed at September 2012 (IDATE estimates)
	4,100 homes passed at September 2013 (IDATE estimates)
FTTx subscriber base	1,000 FTTH subscribers at Dec. 2011 (IDATE estimates)
	1,500 FTTH sucribers at September 2012 (IDATE estimates)
Technical parameters	

FTTH GPON

Source: IDATE for FTTH Council MENA Chapter





FTTH/B in **MENA**

Overview, overall results, main trends in MENA's FTTH/B market





> More than 43 FTTH/B projects in MENA at Sept 2013



Incumbents and Alternative operators are the main actors involved in FTTH/B rollout

National programs should boost FTTH/B market in MENA

Total FTTH/B Homes passed in MENA at September 2013

Incumbents	Municipalities / Utilities	Alternative operators / ISPs	Housing companies / Nat. Prog.
2 502 000	150 000	315 400	134 300
80.7%	4.8%	10.2%	4.3%

Source: IDATE for FTTH Council MENA





In September 2013

- > 1,295,090 FTTH/B subscribers
- > 3,106,000 FTTH/B Homes Passed

Average Penetration Rate : 41.7% (from 43.5% at September 2012)

YoY growth

- Subscribers: +65.5%
- Homes Passed: +72.5%

Source: IDATE for FTTH Council MENA





Main trends in MENA's FTTH/B market



From September 2012 to September 2013: significant changes in less than half studied markets in the region!





Main trends in MENA's FTTH/B market

- UAE is the main FTTH/B market (880 000 FTTH/B subs)
 - 2 players are involved in FTTH/B market
 - Etisalat is dominating the FTTH/B market:
 o with a market share of 74%
 o with a national coverage
 - Good penetration rate (subs/HP): 59%
- ... followed by Saudi Arabia (281 000 FTTH/B subs)
 - Important growth compared to last year: +181%
 - STC is the more important FTTH/B players:
 - $\circ~$ with a market share of 73%
 - \circ the largest coverage
- FTTH/B market is growing in Qatar (110 000 FTTH/B subs)
 - Ambitious objective from incumbent Ooredo (Qtel):
 - $\circ~$ National FTTH coverage by 2014
 - Success of Ooredoo product:
 - Commercially launched in January 2012
 - Important growth: +189.5% in Sept 2013 compared to Sept 2012



www.ftthcouncilmena.org

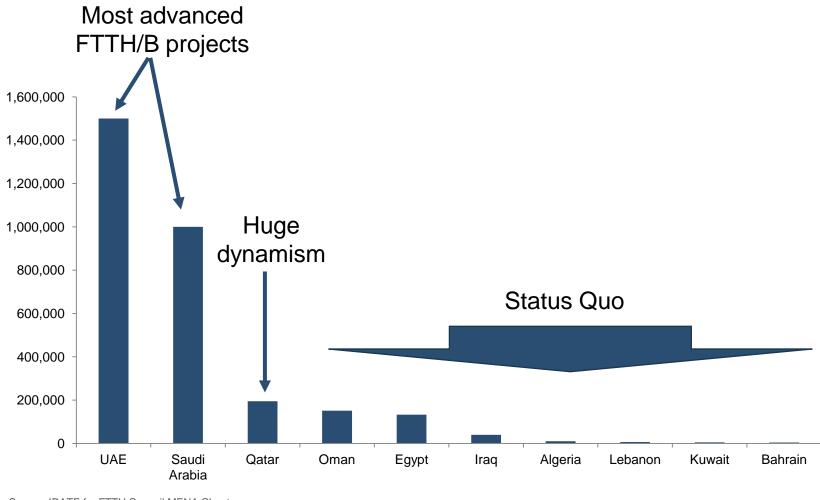


UAE is leading the

Global Ranking!!

Main trends in MENA's FTTH/B market

> 2 countries with significant rollouts, more than 1 million Homes Passed

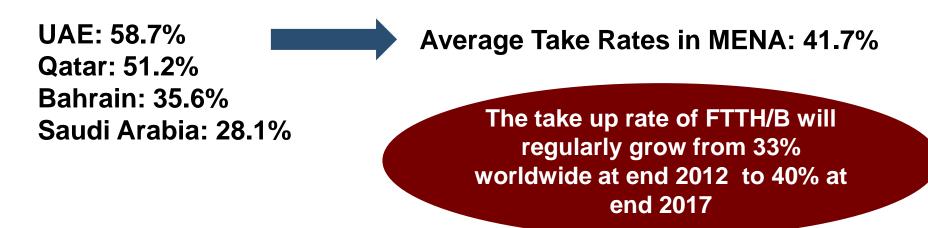


Source: IDATE for FTTH Council MENA Chapter





> High Take Rates (1) in MENA



> In September 2013, the main architecture deployed is pure FTTH > Regarding technology, players have mainly chosen PON

Main architecture deployed (subscribers segmentation)	September 2013	Main technology deployed (subscribers segmentation)	September 2013
FTTH	99%	PON	83%
FTTB	1%	Ethernet	17%

Source: IDATE for FTTH Council MENA

(1) Number of subscribers in total Homes Passed



Services based on FTTH/B



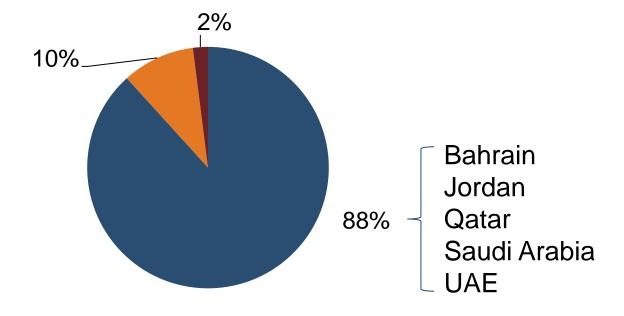


www.ftthcouncilmena.org

www.idate.org

> Various approaches as regards speed rates

• Speeds up to 100 Mbps and more are only available in 5 countries



% of HP per FTTH/B speed rate

100 Mbps or more 8 to 100 Mbps No FTTH/B services yet





>Few bundles

- Triple Play services available in Oman, Qatar, UAE, Saudi Arabia, planned in Algeria
 - Competition between 2 leading players in UAE (Etisalat, DU) and KSA (STC, Mobily) might enhance the market and lower tariffs at terms
 - From 50 to 200 TV channels in the packages
 - At least national calls included
- Double play is available in Kuwait, then in other countries, services are proposed on a standalone basis
- Monthly caps still a trend in the region

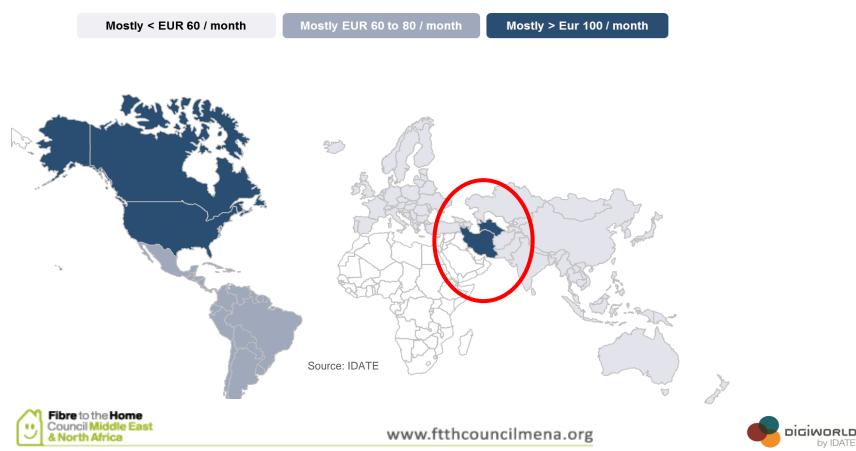




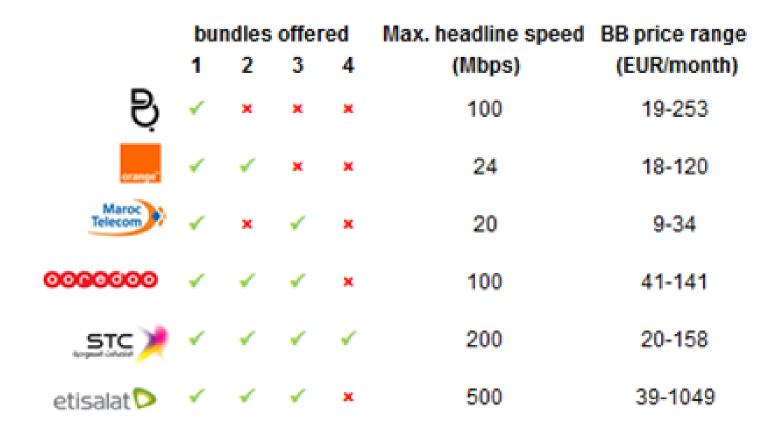


> Tariffs in MENA are comparable to those proposed in North America, making the region one of the most expensive

100 Mbps access monthly cost (July 2013)



Some examples of BB tariffs ranges in MENA



Source: IDATE





Forecasts to 2018





www.ftthcouncilmena.org

www.idate.org

FTTH/B MENA market Forecast: Methodology

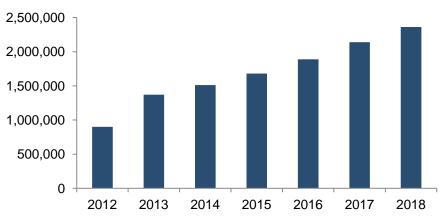
Criteria		Possible impact	
Country features	Urbanisation level	Can give an idea on the potential coverage of FTTH/B among studied countries	
	State policy		
	Regulatory situation		
	Broadband penetration (DSL, Cable)		
	FTTH/B Penetration		
	Consumer demand		
	Incumbents (objectives)	Can give an idea on when and at	
Players' strategies	CLECs and cablecos (objectives)	what speed players will implement	
	Local Bodies and New players	FTTH	
	Level of competition on Broadband Market: ULL and platforms competition	Competition being the main driver for FTTH/B	
Access network topology	Local loop and Sub Local Loop length	Can give an idea on the willingness of operators to switch to FTTH or keep DSL as the main technology in the near future	
	Number of MDF & Street Cabinet across the country		
	Availability of ducts (ILEC, Munis)		
	3G LTE timing (FTTH backhaul)		
Consumers Demand	By Country Households Equipment (multi device equipment: fixed and Mobile, connected TV, 3D TV)	Can give an idea on what speed players will implement FTTH	
	Status of the "Copper" Quality		



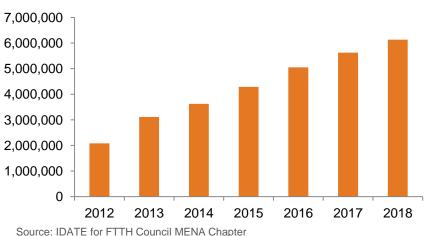


MENA's FTTH/B market from 2012 to 2018

> More than 2.3 million subscribers for 6.1 million Homes Passed in 2018 ⁽¹⁾



FTTH/B Subscribers



FTTH/B Homes Passed

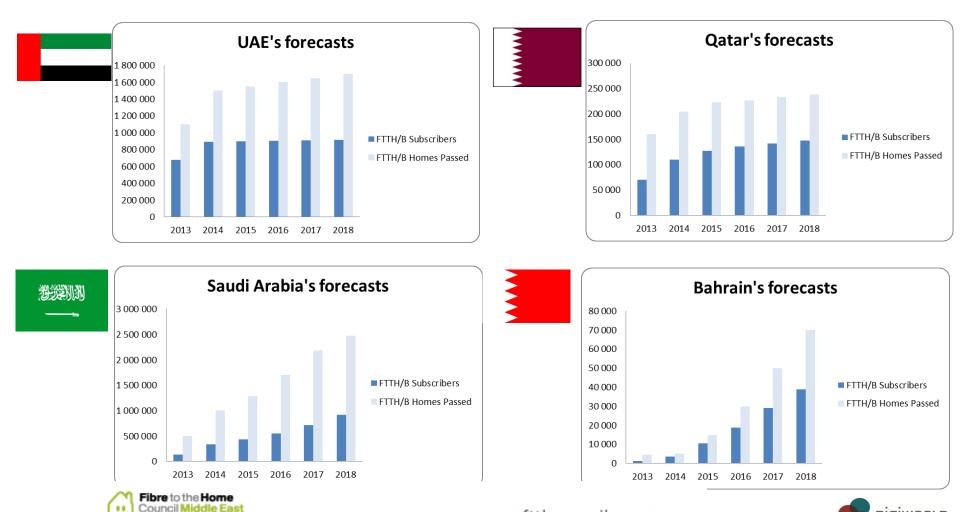
(1): Algeria, Bahrain, Egypt, Iran, Iraq, Jordan, Kuwait, Lebanon, Libya, Morocco, Oman, Palestine, Qatar, Saudi Arabia, Sudan, Syria, Tunisia, UAE, Yemen

Source: IDATE for FTTH Council MENA Chapter





> Some countries (GCC) have already reached FTTH maturity and the market will be steady in the coming years



t

& North Africa

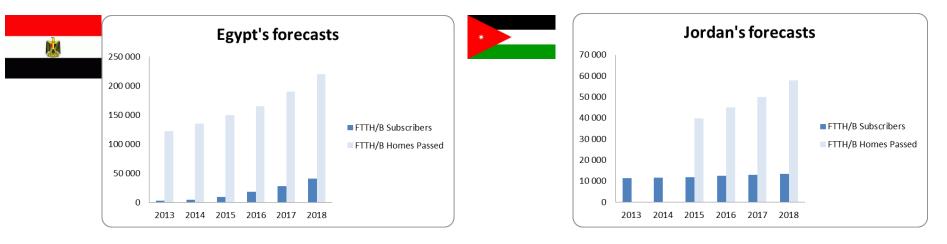
www.ftthcouncilmena.org

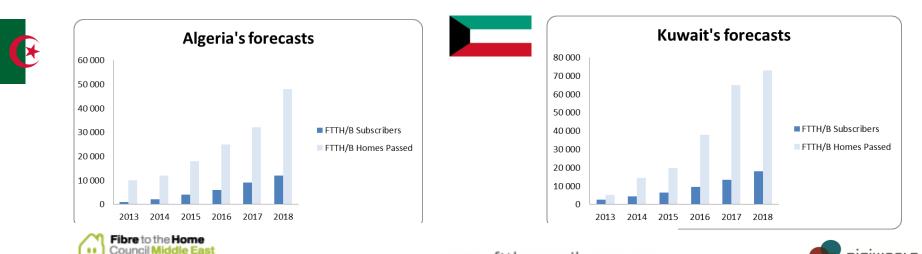
DIGIWORLD

...

& North Africa

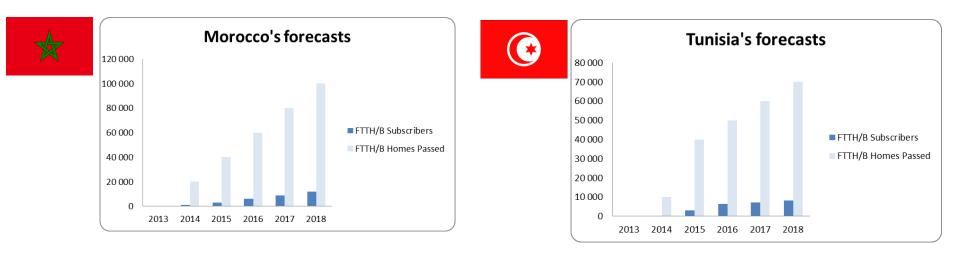
> In other countries, the growth will be significant in terms of coverage first

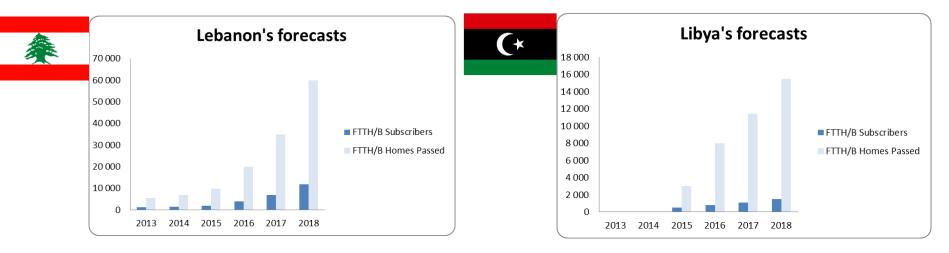




www.ftthcouncilmena.org

DIGIWORLD









Main observations / drivers for FTTH/B in MENA





No take off for the global Fixed Broadband market

- The growth in FTTH/B coverage and take up rate is led by the dynamism of GCC countries, and notably UAE and KSA markets
- In other countries, the announcements are not always followed by concrete rollouts yet
- The low Broadband penetration is not strong enough to require rapid deployment of NGNs

But there are some significant and ambitious FTTH/B projects

- In UAE: Etisalat covers its entire country with its FTTH network
- In Saudi Arabia: STC wants to cover 2 million homes via FTTH by end 2013 (~38% of HH)
- In Qatar: Qtel wants to cover the entire country via FTTH by end 2014, and the QNBN project aims to expand Fibre network to 95% of the country by 2015
- In North Africa, Morocco and Tunisia present a strong potential due the involvement of incumbents and alternative players (respectively Meditel and Tunisiana, both willing to deploy and operate FTTH networks in dedicated neighboroods)







Main outputs

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

- Most projects, operational or announced, tend to focus on FTTH rollouts
- Some players are also targeting FTTN+VDSL to ensure a nationwide NGA availability (Maroc Telecom)

Incumbents are leading the markets

- The involvement of alternative players is growing and could enhance rollouts (Tunisia)
- As in other regions, few other players show a strong interest in FTTH/B rollouts (some ROEs in Egypt, Lebanon)

Players are mainly focused on Mobile markets

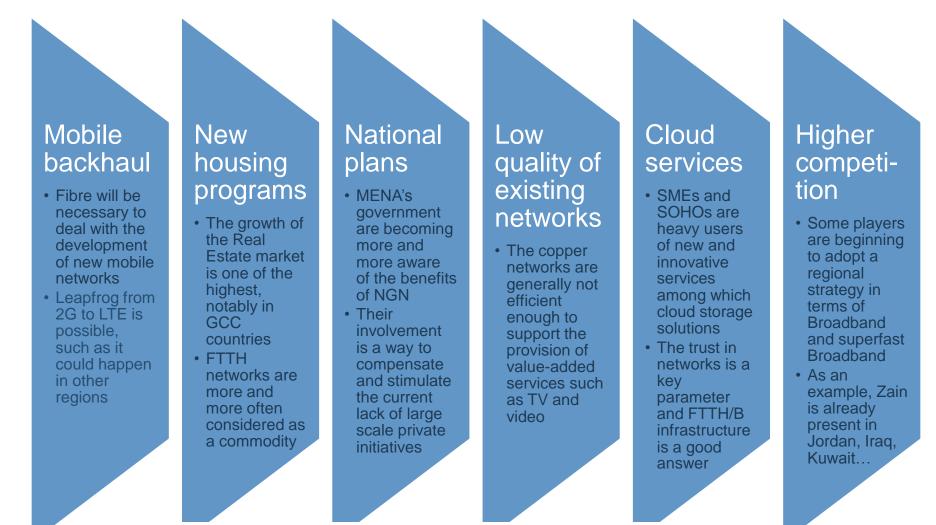
- Mobile Broadband subscriptions overpass fixes Broadband subscriptions in several countries (Egypt, Bahrain, Morocco, Sudan), and this trend might not change even with the rollout of new networks
- But this could be an interesting opportunity for FTTH (interconnection of base stations)





Drivers for FTTH/B in MENA

>Several drivers might impulse MENA's FTTH/B market





www.ftthcouncilmena.org

DIGIWORLD

27