

Internet Networks Reality In Iraq



MOC

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(MOC)
2017

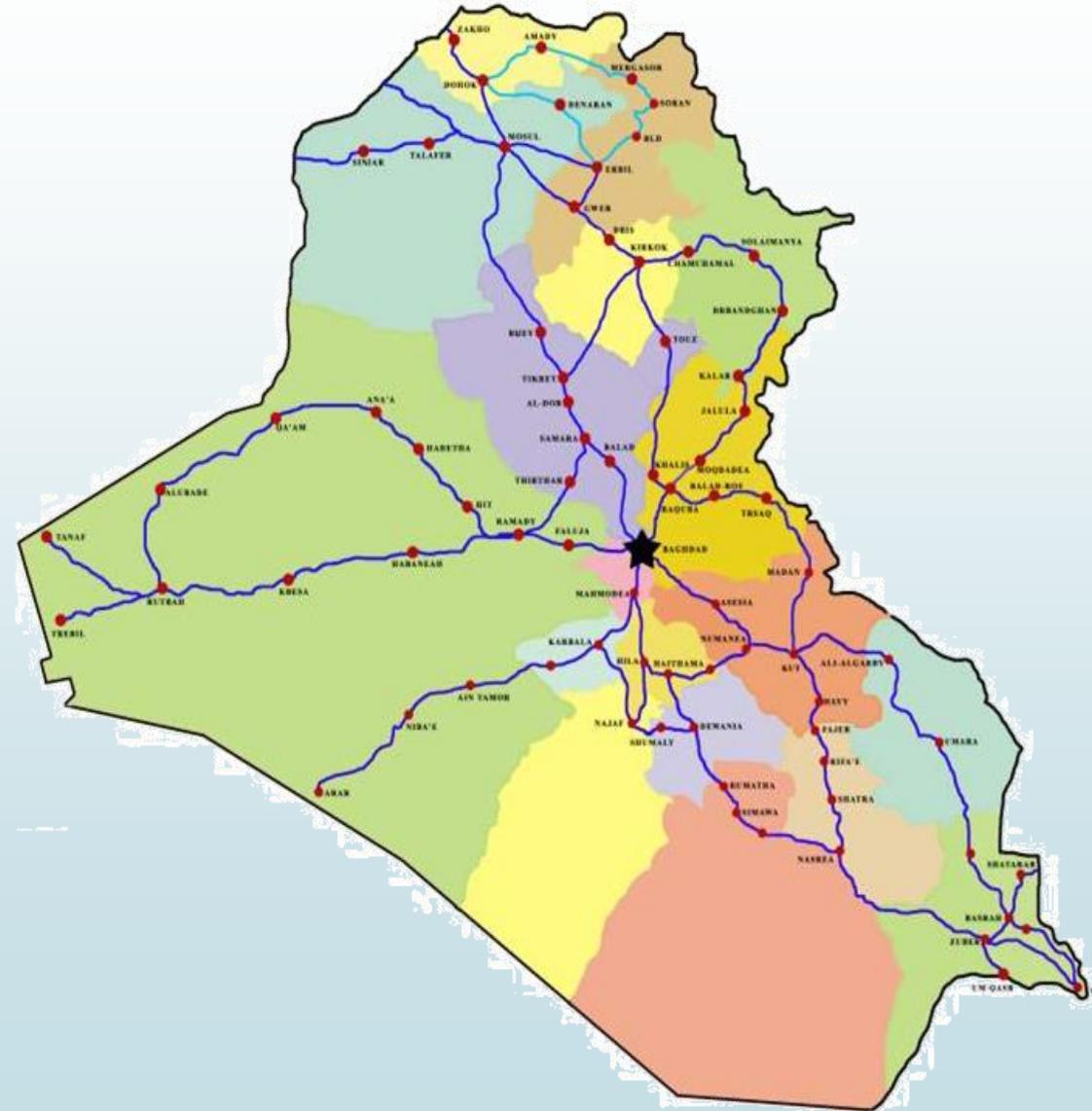
Current National Optical Fiber Backbone

Built since the end of 1999.

Damages due to war activities.

Current voice, internet and 2G&3G mobile services goes through it.

Expansion needed to meets the increasing demands for data services.

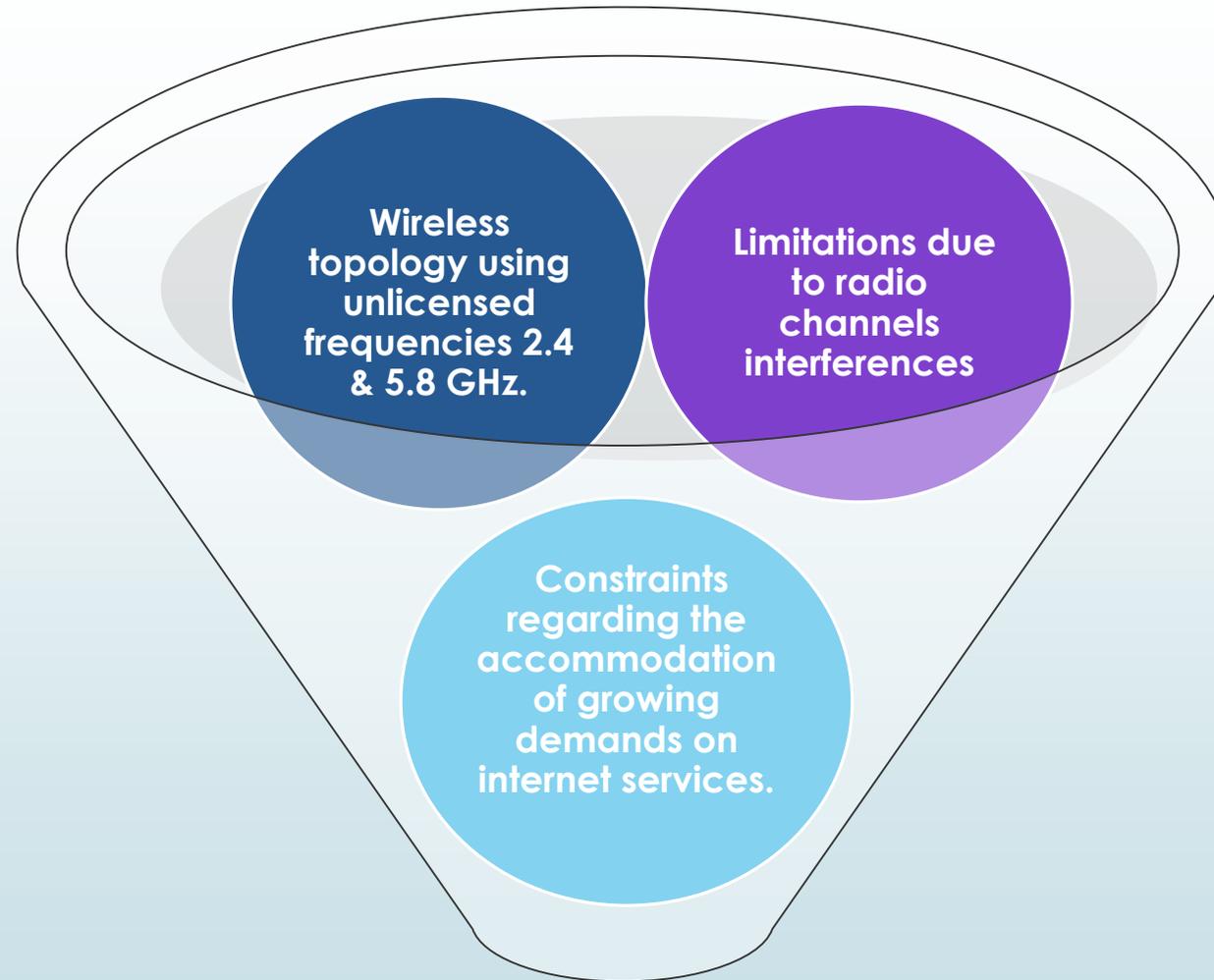


Current Internet Networks reality

Wireless ISP



Current Internet Networks Challenges



Lack of Internet Services Quality

Iraq Internet Market Overview

Market Overview



Population	37 mil
Households	5.7 mil (avg 6.5 ppf)
Households with ADSL	121k (2.1%)

Households with internet access	
World average	46%
Developing Countries	34%
Iraq	2.1%

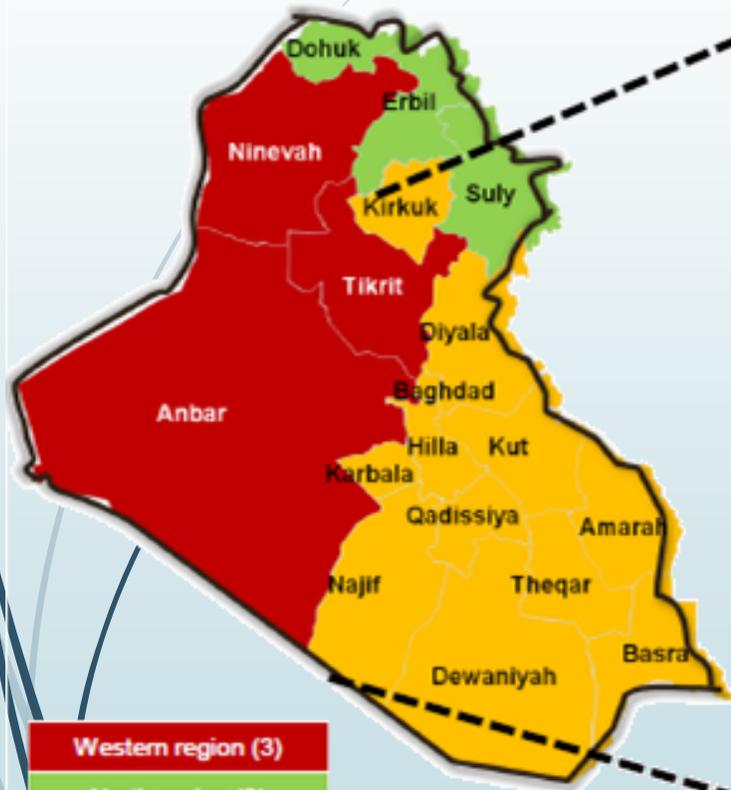
Individual using internet	
World average	43%
Developing Countries	35%
Iraq	13%

Internet Penetration

(unit in '000)



Total Fixed Markets Landscape



- Western region (3)
- North region (3)
- South region (12)

South Region	Households	Home Passed	FWA Users*
Kirkuk	238,186	10,000	80,000
Diyala	243,838	35,000	60,000
Baghdad	1,211,983	206,000	580,000
Hilla (Babel)	307,544	13,500	70,000
Karbala	181,622	5,000	50,000
Kut (Wasit)	205,420	11,500	170,000
Qadissiya (Diwanyah)	192,333	5,000	70,000
Najif	219,342	17,000	110,000
Amarah (Missan)	165,859	22,000	120,000
Theqar (Nasiriyah)	312,207	4,000	120,000
Basra	433,662	46,500	230,000
Muthana	121,271	5,000	40,000
	3.8mil	380k	1.7mil

Households

3.8mil

Coverage

~10%

Targetable Homes

>2.1mil

Enhance The National Backbone

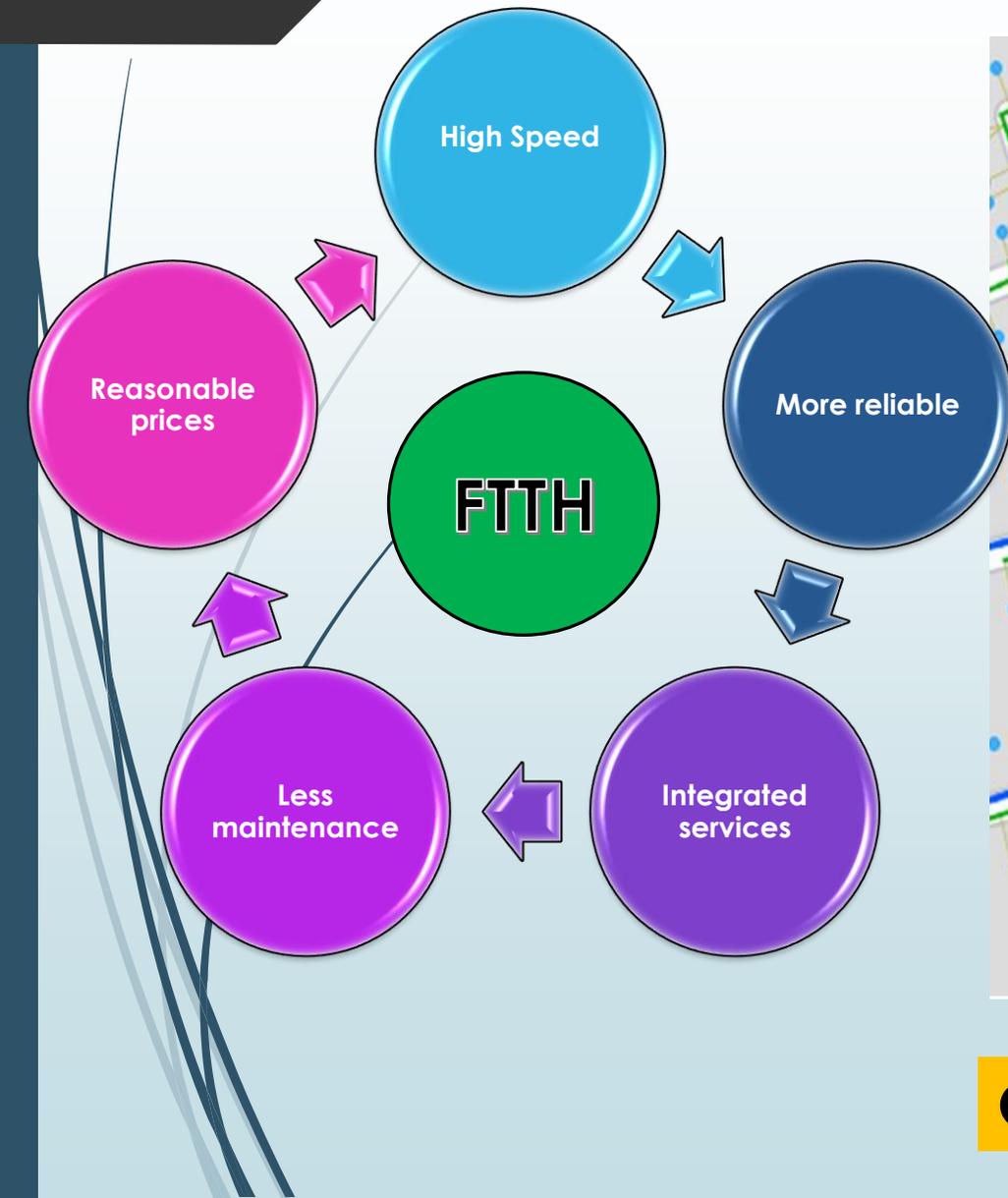
New Optical Fiber backbone under implementation since Feb.2016, so far 70% implemented

Enhance current backbone for expansion and preparation for FTTH projects

Exploit Iraq geographical location for huge data transit between south-east Asia to Turkey then Europe.

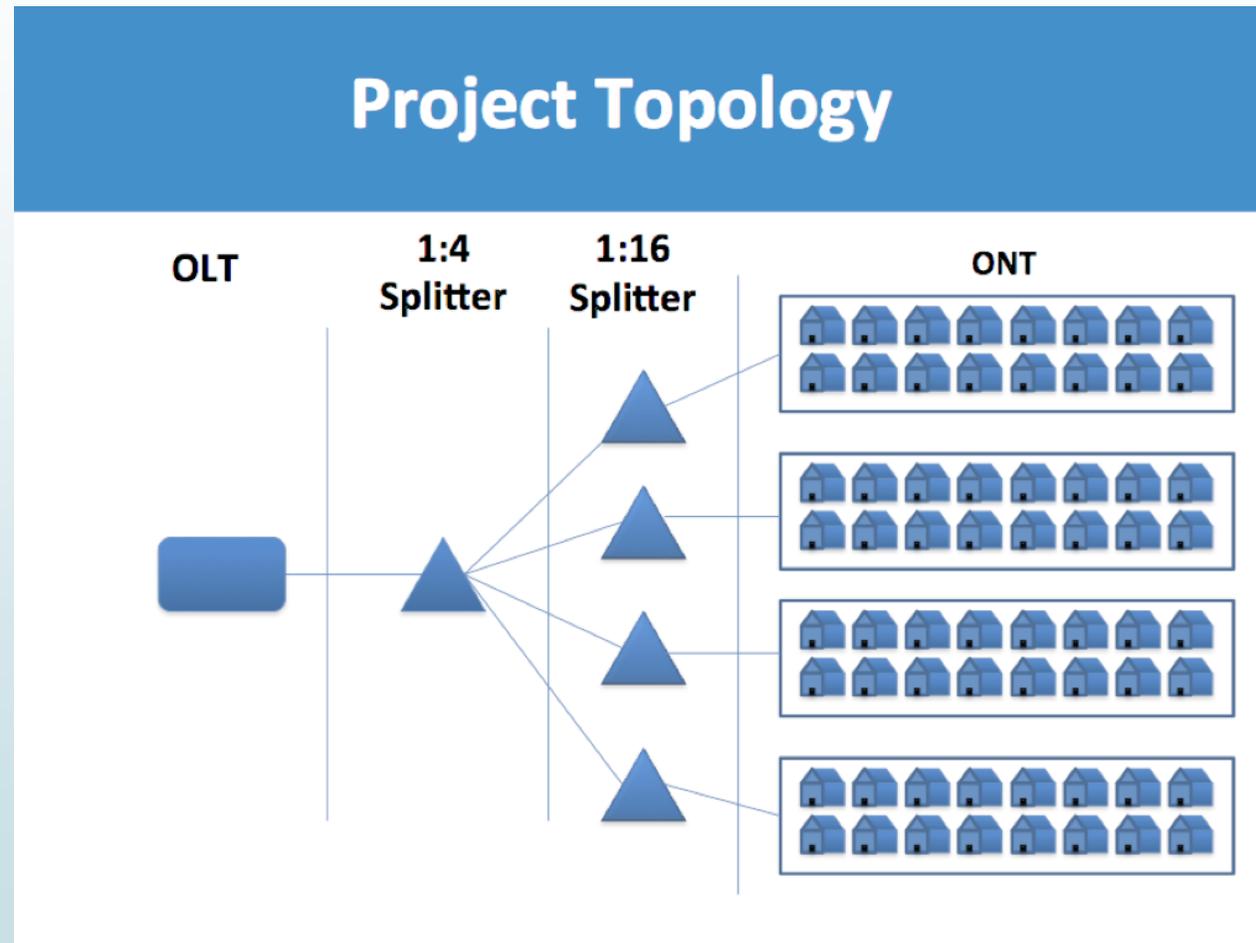


MOC Trend to FTTH To Expand Penetration



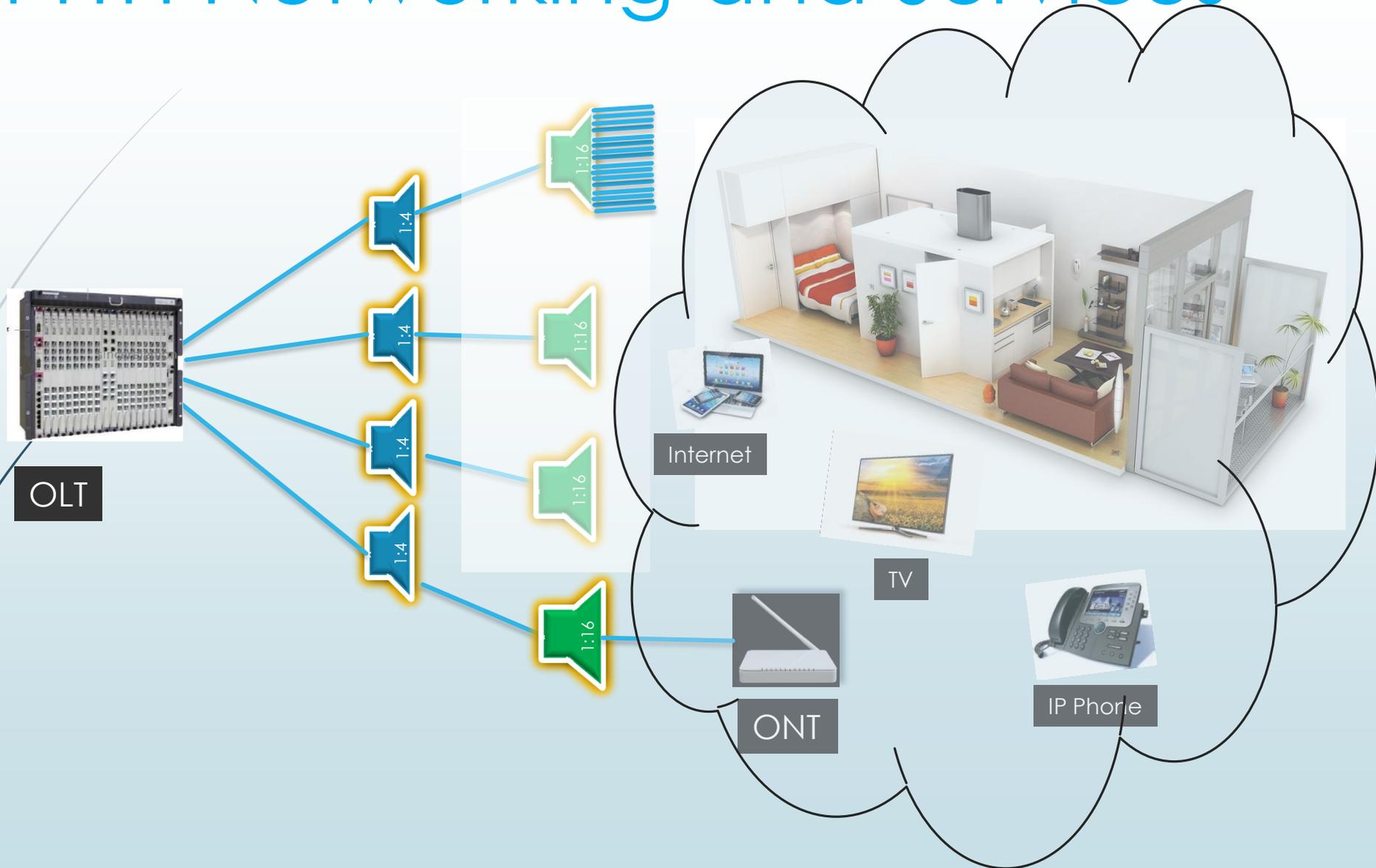
OLT center

FTTH Plan Topology



1 core from OLT → serve 64 House

FTTH Networking and Services





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THANK YOU