bhartí

December 08, 2017

National Stock Exchange of India Limited Exchange Plaza, C-1 Block G Bandra Kurla Complex, Bandra (E) Mumbai – 400051

BSE Limited Phiroze Jeejeebhoy Towers Dalal Street Mumbai – 400001

Ref: Bharti Airtel Limited (532454 / BHARTIARTL)

Sub: Participation at the Investor Conference and Presentation to Investors

Dear Sir / Madam,

Pursuant to Regulation 30 of SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, we wish to inform you that the Company has participated at the 'Bharti Airtel - Africa Analyst Day' held in Uganda on December 07, 2017 and December 08, 2017.

The presentation made by the Company to the investors at the aforesaid conference is enclosed.

We request you to take the above information on record.

Thanking you,

Sincerely Yours,

For Bharti Airtel Limited

Rohit Krishan Puri Dy. Company Secretary Enc: a/a

> Bharti Airtel Limited (a Bharti Enterprise) Regd. & Corporate Office: Bharti Crescent, 1, Nelson Mandela Road, Vasant Kunj, Phase II, New Delhi - 110 070 T.: +91-11-4666 6100, F.: +91-11-4166 6137, Email id: compliance.officer@bharti.in, www.airtel.com CIN: L74899DL1995PLC070609







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Actual results, performances or events may differ materially from these forward-looking statements including the plans, objectives, expectations, estimates and intentions expressed in forward looking statements due to a number of factors, including without limitation future changes or developments in our business, our competitive environment, telecommunications technology and application, and political, economic, legal and social conditions in the country. It is cautioned that the foregoing list is not exhaustive

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Certain numbers in this presentation have been rounded off for ease of representation



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Index
Airtel journey in Africa, 2010 - 16
Africa learnings
What has happened in Africa in last 6 quarters?
What did we do?
Financial performance
Way ahead





Airtel journey in Africa, 2010 - 2016



A lot has happened in Africa



Acq. Zain Africa 15 operations; & Telecom Seychelles	Acq. Rwandatel's GSM license in Rwanda	Acq. Warid i Congo B & Uga			'S	
2010	2012	2013		2014	2015	2016
	Airtel Warid		Warid	<u>Tower</u>	<u> Sale – 10 OPCOs</u>	
		RMS %	RMS %	Eaton	GH, UG, KE, BF	
	Ugai	nda 23.3%	13.9%	Helios	DRC, NE, CG	Ť
	Con	go 36.0%	14.1%	ATC	NG	Sold Sierra
				IHS	ZM, RW	Leone, Burkina

IHS

ZM, RW



Faso ops

We believed we could replicate the India success story

Aggressive network expansion

Pricing drop to fuel elasticity, like in India

Replicated India outsourcing model

In-country merger

9000+ sites added in 6 yrs

3G roll out in all OPCOs

e.g., Call center, IT, Managed services

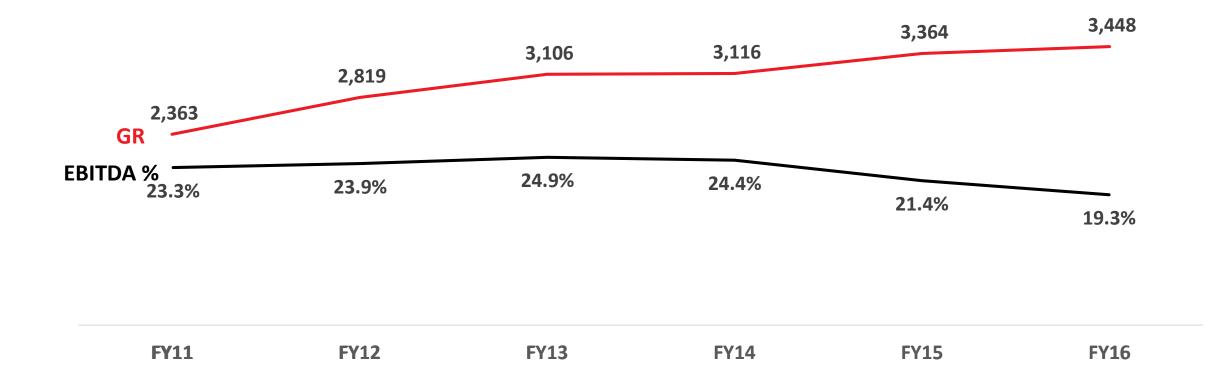
Uganda, Congo B, Kenya



? airtel

Financial performance









Africa learnings



Learnings

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Wide range of GDP per Capita, across Countries

Country	Population (mn)	GDP (\$bn)	GDP per capita (PPP)
DRC	79	35	742
Niger	21	7.5	907
Malawi	18	5.4	1,084
Madagascar	25	10	1,396
Uganda	42	26	1,714
Rwanda	11	8	1774
Chad	14	10	1,846
Tanzania	50	47	2,583
Kenya	49	71	2925
Zambia	17	20	3,636
Ghana	28	43	3,980
Congo B	5	8	5,301
Nigeria	186	405	5,439
Gabon	2	14	16,786
Seychelles	0.1	1	26,319
India	1,299	2,263	6,092



Learnings

Wide range of GDP per Capita, across Countries

Vast geography with high urbanization

				Pairte
Country	Population (mn)	Area (sq km)	Population density (person/sq km)	Urbanization %
Seychelles	0.1	455	206	54%
Gabon	2	267,667	8	87%
Congo B	5	342,000	15	65%
Rwanda	11	26,338	483	29%
Chad	14	1,284,000	11.5	23%
Zambia	17	752,618	22	41%
Malawi	18	118,484	192	16%
Niger	21	1,267,000	16	19%
Madagascar	25	587,041	43	35%
Ghana	28	238,535	124	55%
Uganda	42	241,038	207	16%
Kenya	49	580,367	85	26%
Tanzania	50	947,300	63	36%
DRC	79	2,344,858	35	43%
Nigeria	186	923,768	204	48%
India	1,299	3,287,000	445	33%



Learnings



Wide range of GDP per Capita, across Countries

Vast geography with high urbanization

Market infrastructure

Few large businesses control the market

Low capital availability

Common distributors/wholesalers

Fast evolving into modern trade

High cost of infrastructure



Africa Telecom

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Scale is small, with moderate competition intensity

Country	Market size (Mn \$)	Key Telecom operators	Airtel RMS % (2016)
Nigeria	7,116	6	~20%
Kenya	2,071	3	<10%
Ghana	1,151	5	10-20%
DRC	1,125	6	20-30%
Tanzania	1,090	5	20-30%
Uganda	697	5	30-40%
Congo B	438	3	>40%
Zambia	415	3	>40%
Gabon	380	4	>40%
Niger	352	4	>40%
Chad	291	3	>40%
Rwanda	185	3	10-20%
Madagascar	173	3	>40%
Malawi	165	4	>40%
Seychelles	51	2	>40%



Africa Telecom

Scale is small, with moderate competition intensity

High on-net minutes & dual SIM usage

			🥏 ai
Country	Local IUC rate (\$ cents)	On-net %	Dual SIM penetration %
Rwanda	2.7	>80%	79%
Jganda	4.0	>80%	64%
had	11.0	>80%	48%
ambia	1.3	>80%	56%
Madagascar	4.3	>80%	40%
/Ialawi	4.0	>80%	43%
RC	3.4	>80%	49%
anzania	2.0	>80%	71%
iger	2.0	50-80%	42%
ongo B	4.9	50-80%	31%
abon	3.0	50-80%	47%
enya	1.0	50-80%	63%
hana	1.0	<50%	43%
igeria	2.0	<50%	59%
eychelles	1.0	<50%	52%



Africa Telecom



Scale is small, with moderate competition intensity

High on-net minutes & dual SIM usage

High site OPEX, ranging from 30k - 75k USD p.a. per site



More spectrum, high OPEX per site

Africa Airtel - 2016

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Airtel money – great potential but inadequate distribution

High data prices & low penetration

High revenue per site, wide disparity in spread

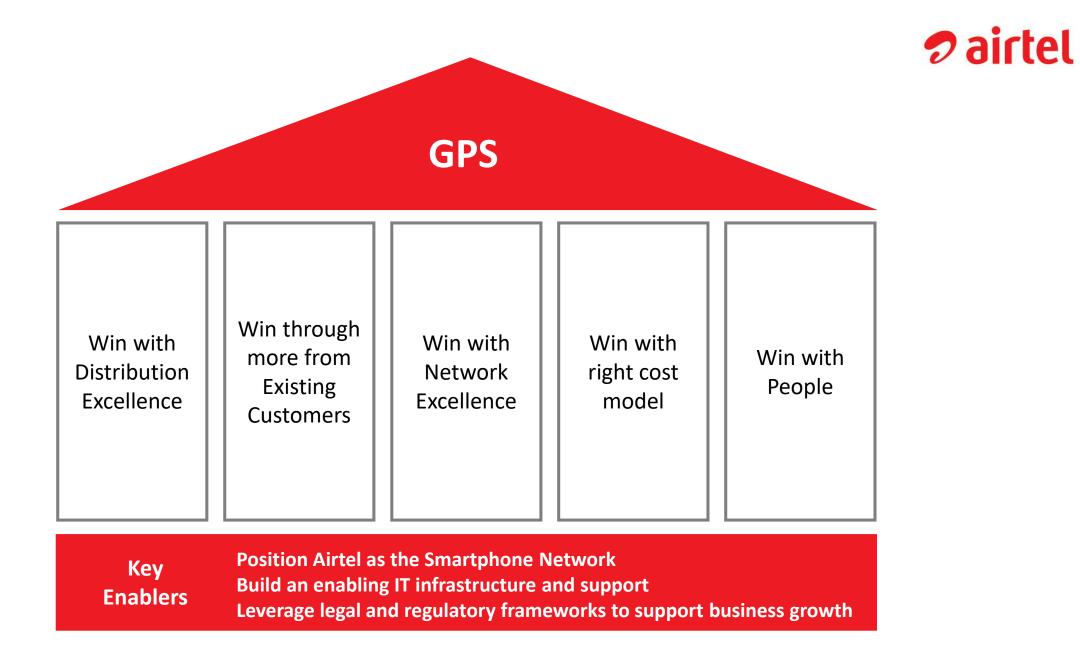
High cost structure but scope to optimize operational design





What has happened in Africa in last 6 Quarters?





Win with Distribution Excellence



Build alternate channels for SIM sale/ Money

Freelancers

Exclusive mini shops, kiosks

Increase KYC locations through simplified KYC app - BYOD

Disciplined field working

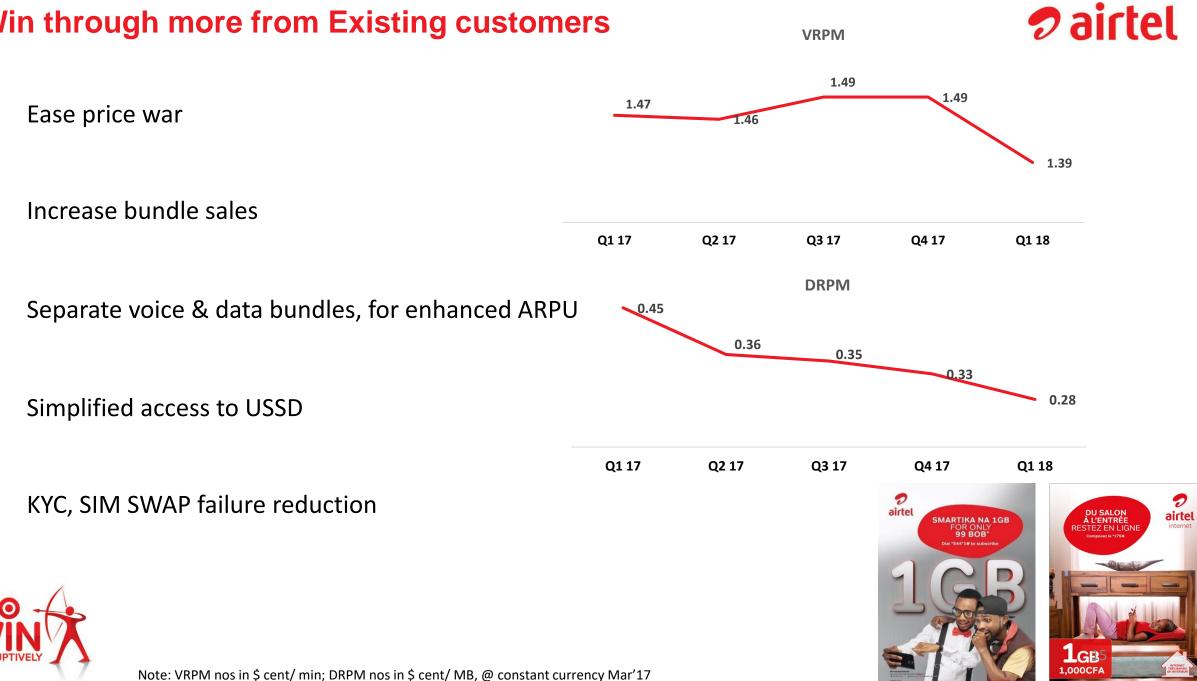






Win through more from Existing customers

THINK LIKE A



Win with Network Excellence

U 900

LTE

Radio frequency planning & optimization

Improved NW KPIs through operational rigor

OPCO	U900	
Uganda	\checkmark	
Zambia	\checkmark	
Malawi	\checkmark	
Madagascar	\checkmark	
Gabon	\checkmark	
Seychelles	\checkmark	
Kenya	\checkmark	
Congo B	\checkmark	
Chad	\checkmark	
Tanzania	\checkmark	
Niger	Planned	
Rwanda	Planned	
Nigeria	-	
DRC	Planned	



LTE



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Win with right cost model

Recharge margin correction in some OPCOs

SIM/ RCV cost reduction

P & L focus for each retail store

Logistics, Warehousing revamped

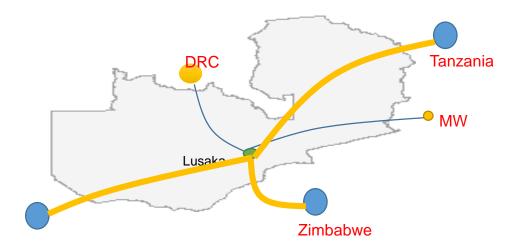
Bandwidth: Flow redesign & optimized planning

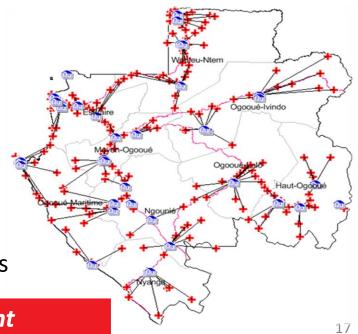
Re-scope fuel distribution & managed services

Rightsizing of sites with more capacity/ site

Converting a few Dollar denominated contracts into local contracts

10.5 % OPEX productivity improvement





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Win with People

Delayered sales structure

HQ functional ownership & collaboration

HQ transition

Governance **—** SMEs

Rigorous monthly planning meeting with each OPCO

Organizational re-structuring in some OPCOs







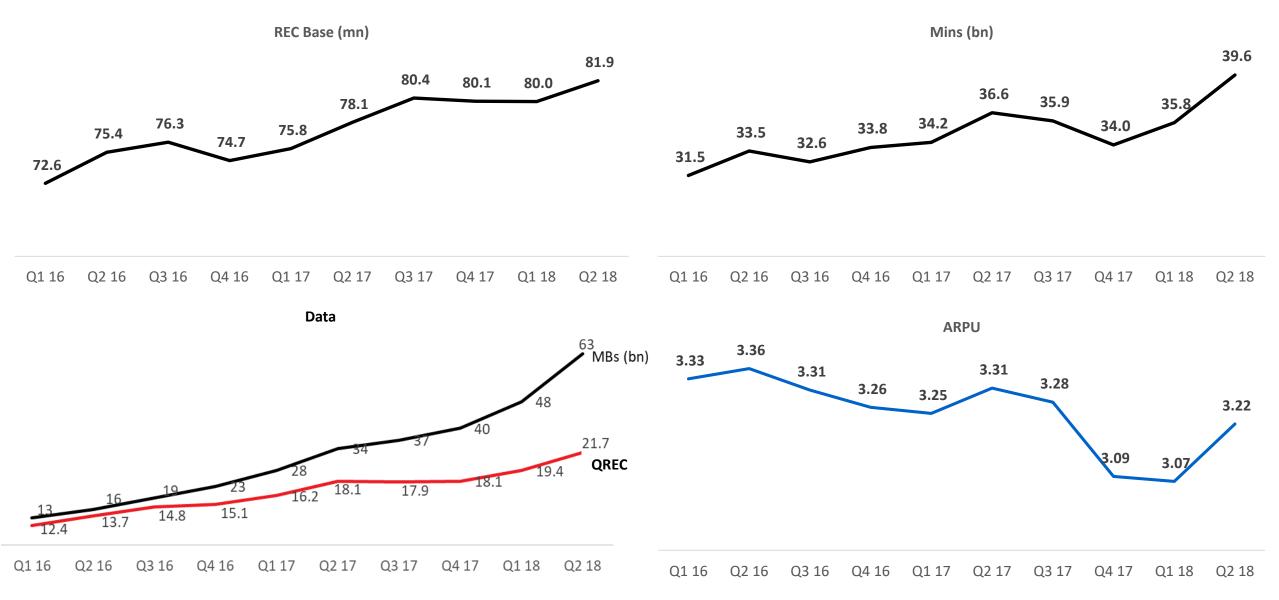
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Financial performance

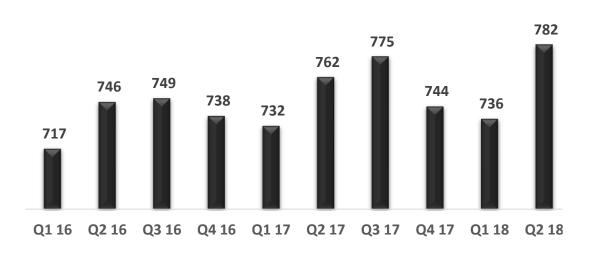


Business performance

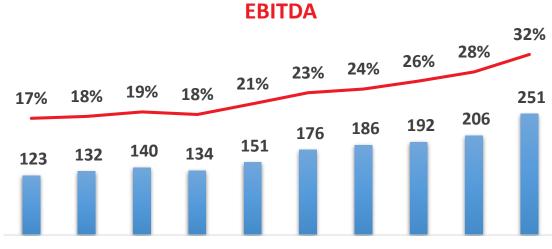
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Financial performance

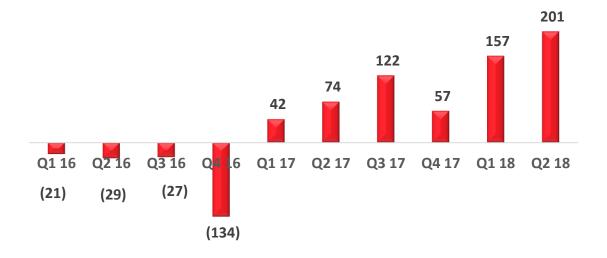


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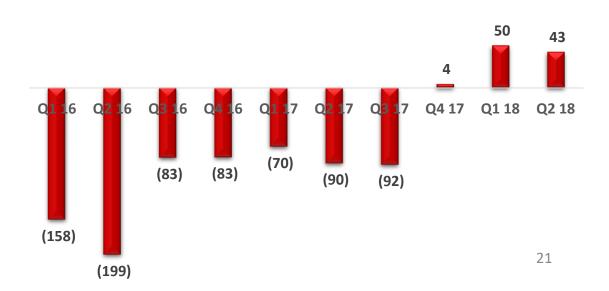


Q1 16 Q2 16 Q3 16 Q4 16 Q1 17 Q2 17 Q3 17 Q4 17 Q1 18 Q2 18

FCF



PAT



Note: All numbers in \$ mn & constant currency (Mar'2017)

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Period	<20%	20-30%	30-40%	>40%
FY' 16	8	4	3	0
Q2'18	4 tz, ke, gh, rw	4 MG, DRC, TD, CG	2 NG, SC	5 ML, UG, ZM, NE, GA



Opcowise Status:

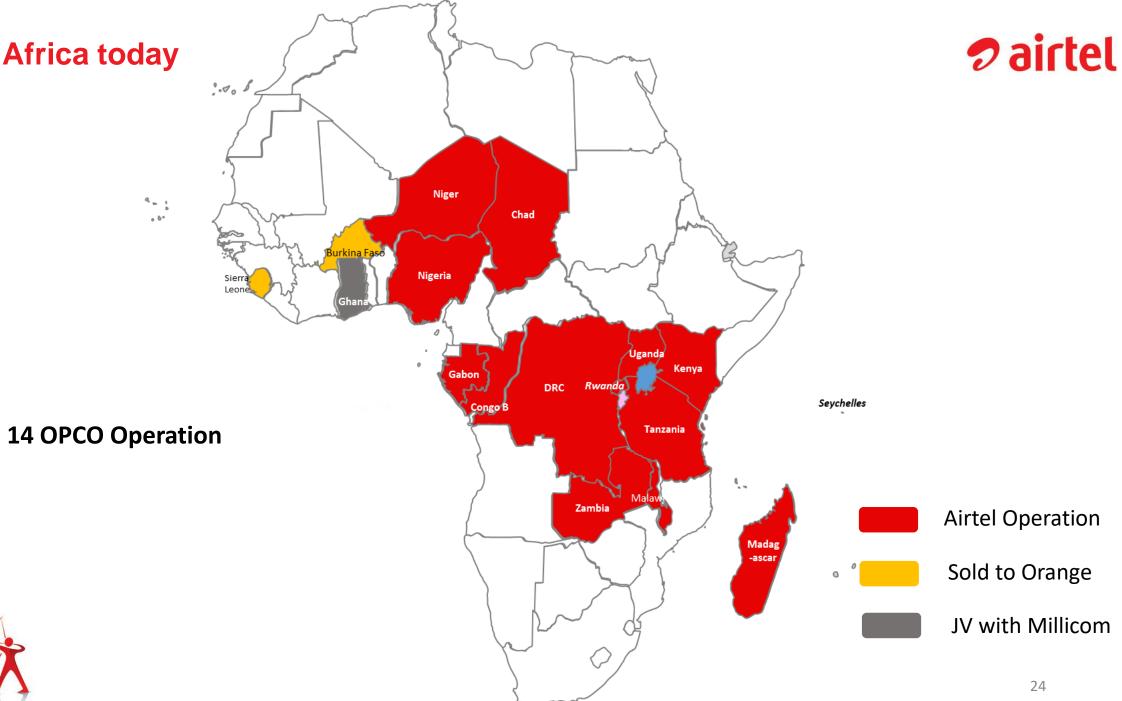
Country	Key Telecom operators	Our Position	Market size (mn \$)	Airtel RMS %	Key competitors	EBITDA range
Uganda	5	2	699	>40%	MTN	>40%
Zambia	3	1	479	>40%	MTN	>40%
Gabon	4	2	348	>40%	Maroc	>40%
Niger	4	1	329	>40%	Orange	>40%
Malawi	4	1	222	>40%	TNM	>40%
Congo B	3	2	375	>40%	MTN	30-40%
Seychelles	2	2	53	>40%	C & W	30-40%
Nigeria	6	2	4,707	~20%	MTN	30-40%
Chad	3	2	272	>40%	Tigo	20-30%
Madagascar	3	1	192	30-40%	Orange, Telma	20-30%
DRC	6	3	988	20-30%	Voda, Orange	20-30%
Tanzania	5	3	1,039	20-30%	Vodacom, Tigo	<20%
Kenya	3	2	2,292	<10%	Safaricom	<20%
Rwanda	3	3	163	10-20%	MTN, Tigo	- ve



We are #1 or #2 operator in 11 out of 14 operations in Africa

Airtel Africa today

DISRUPTIVELY





Way ahead



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Mobile penetration & population covered

Country	Population Covered (mn) population		Unique mobile penetration %**
Nigeria	186	84%	45%
DRC	79	64%	26%
Tanzania	50	78%	42%
Kenya	49	77%	59%
Uganda	42	77%	41%
Madagascar	25	34%	23%
Niger	21	38%	26%
Malawi	18	70%	26%
Zambia	17	79%	53%
Chad	14	54%	30%
Rwanda	11	84%	52%
Congo B	5	41%	58%
Gabon	2	80%	69%
Seychelles	0.1	97%	69%





Mobile penetration & population covered

Abundant spectrum for high throughput/site

0000	Frequency Band (MHz)						
OPCO	800	900	1800	2100	2600	2300	Total
Seychelles	10.0	12.0	20.0	20.0	-	-	62.0
Gabon	10.0	8.0	14.0	15.0	20.0	-	67.0
Congo B	-	11.8	15.0	15.0	-	-	41.8
Malawi	-	11.6	19.8	10.0	-	-	41.4
Madagascar	-	11.2	24.4	10.0	-	8.5	54.1
Uganda	-	10.8	15.0	20.0	10.0	-	55.8
Rwanda	-	10.4	15.0	15.0	-	-	40.4
Niger	-	10.2	10.0	15.0	-	-	35.2
Zambia	-	10.0	20.0	20.0	-	-	50.0
Chad	-	10.0	25.0	10.0	-	-	45.0
Kenya	-	10.0	10.0	10.0	-	-	30.0
Tanzania	-	7.5	12.5	10.0	-	-	30.0
DRC	-	6.0	12.0	10.0	-	-	28.0
Nigeria	-	5.0	15.0	10.0	-	-	30.0



Abundant Spectrum across Operations



Mobile penetration & population covered

Abundant spectrum for high throughput/site

Data: 3G handsets & Revenue contribution

Country	3G Handset Penetration %	Data rev %
Zambia	31%	>20%
Uganda	31%	>20%
Seychelles	15%	>20%
Rwanda	11%	>20%
Kenya	13%	>20%
DRC	24%	<20%
Malawi	15%	<20%
Tanzania	12%	<20%
Gabon	11%	<20%
Nigeria	11%	<20%
Congo B	23%	<20%
Chad	23%	<20%
Niger	13%	<20%
Madagascar	11%	<20%





Mobile penetration & population covered

Abundant spectrum for high throughput/site

Data: 3G handsets & Revenue contribution

Mobile money potential

Country	Banking penetration %	Max. branches by largest bank*	Unique SIM penetration %**
Niger	3%	16	26%
Madagascar	5%	89	23%
Chad	7%	14	30%
DRC	10%	90	26%
Malawi	15%	30	26%
Congo B	15%	16	58%
Tanzania	19%	60	42%
Uganda	28%	73	41%
Gabon	30%	19	69%
Zambia	32%	67	53%
Rwanda	35%	23	52%
Nigeria	42%	365	45%
Kenya	55%	202	59%
Seychelles	60%	8	69%



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Mobile penetration & population covered

Abundant spectrum for high throughput/site

Data: 3G handsets & Revenue contribution

Mobile money potential

Potential for profitable growth

Country	Key Telecom operators	Our Position	Market size (mn \$)	Airtel RMS %	EBITDA range
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To be the leading Broadband & Financial services provider





THANK YOU



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Bharti Airtel

Africa Day

08 December 2017 Kampala, Uganda

Agenda		🤊 airtel
	Bharti Airtel in Uganda	
	Uganda Country Profile & Economic Overview	
	Telecom Market Overview	
	Airtel Journey So Far	
	Airtel GPS	
	Brand and CSR Positioning	
	Financial Overview	
	Key Priorities	
	Key Priorities	



Agenda



Bharti Airtel in Uganda

Uganda Country Profile & Economic Overview

Telecom Market Overview

Airtel Journey So Far

Airtel GPS

Brand and CSR Positioning

Financial Overview

Key Priorities



Bharti Airtel In Uganda

- 1995 : Celtel Uganda 1st Telco in Uganda
- 🔊 2007 : Celtel Uganda changed to Zain
- 🔊 2010 : Airtel launched in Uganda
- 🔊 2013 : Successful acquisition of Warid

genda		🤊 airtel
	Bharti Airtel in Uganda	
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Uganda – Country profile

Political:

Government: Presidential RepublicArea: 241,038 sq kmAdministration : 123 Districts

Demographics:

Population: 41.5 Mn Median Age: 15.7 years Growth Rate: 3.04%^a 0-14 years (48.3%), 15-64 years (49.7%), > 65 years (2.01%)

Languages: Official : English & Swahili. Others : 40+^a Catholic 39.3%, Anglican 32%, Pentecostal 11.1%, Muslim 13.7%

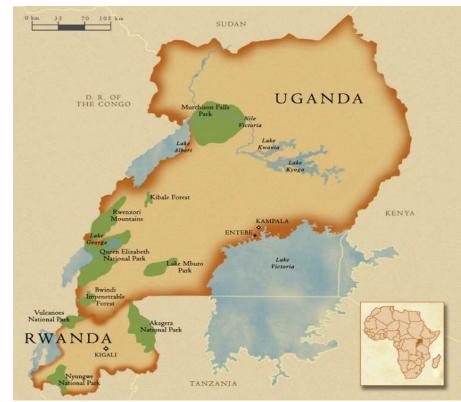
Economy

GDP 2017 ^{est} \$27.2bn^b. Per Capita \$700.5^b Growth Rate: FY16/17 ≃ 3.9%^b (FY15/16 − 4.7%) Core Inflation: 3.5%^c.Exch. Rate:1 US\$ = UGX3,640

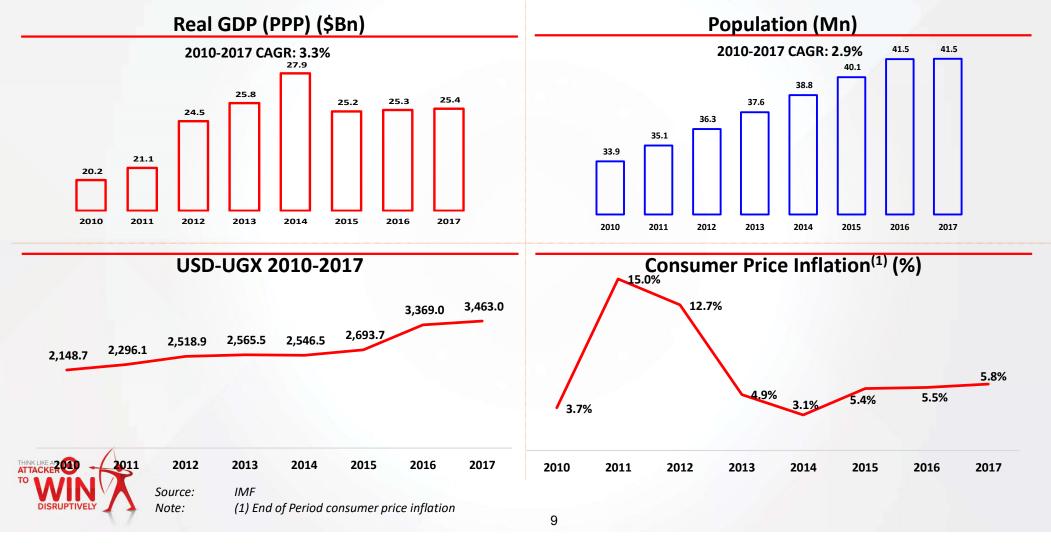
The mean household is 4.7 persons with 80% of households involved in Agriculture ^a.

a – National Population and Housing Census 2014 actual and 2017 forecast | b - IMF 2017 Estimate | c - Bank of Uganda





Uganda Macroeconomic Overview



Agenda		🤊 airtel
	Bharti Airtel in Uganda	
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Telecom Landscape – Regulators







Ministry Of ICT & National Guidance Telecommunications

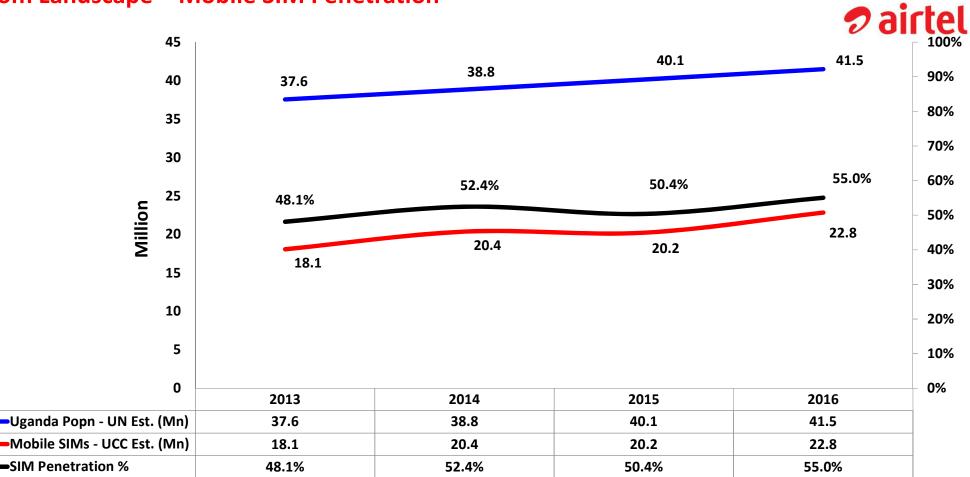


BANK OF UGANDA



Ministry of Finance, Planning and Economic Development, Uganda Mobile Financial Services

Telecom Landscape – Market Overview & Industry Players 🤊 airtel africell MTN 🔿 airtel uganda telecom Strong Distribution Network Strategic tilt to mass market **GSM** Large Mobile Money Ecosystem Largest 3G & 4G Network Affordable & Youth oriented brand vodafone Smile Ugand TELECON 4G MVNO 4G with no voice 4G Aga Khan Fund for Economic **MVNO** Development Mainly providing fiber and dedicated internet services to Google facebook Others various partners including public TELECOM ROKETelkom WIFI DISRUPTIVELY 12

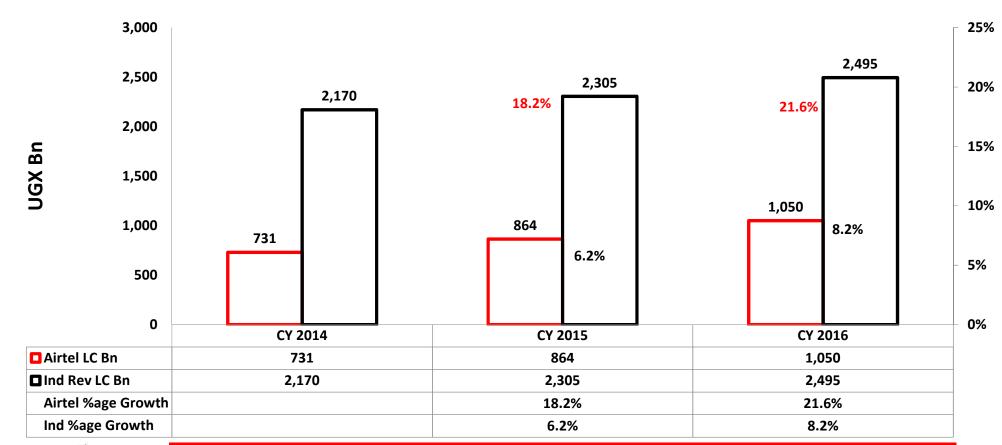


Telecom Landscape – Mobile SIM Penetration



Penetration Opportunity

*based on estimates from various sources



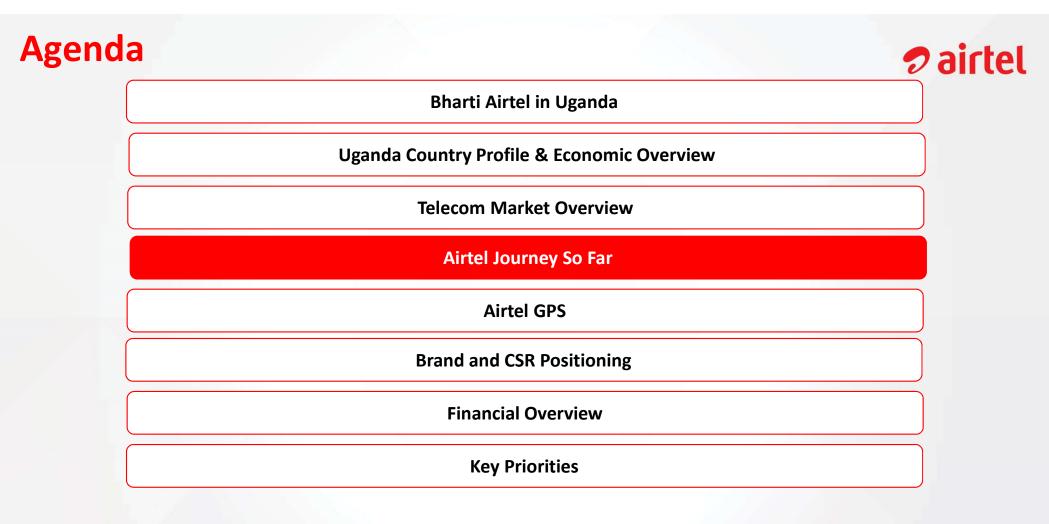
Telecom Landscape – Industry Revenue

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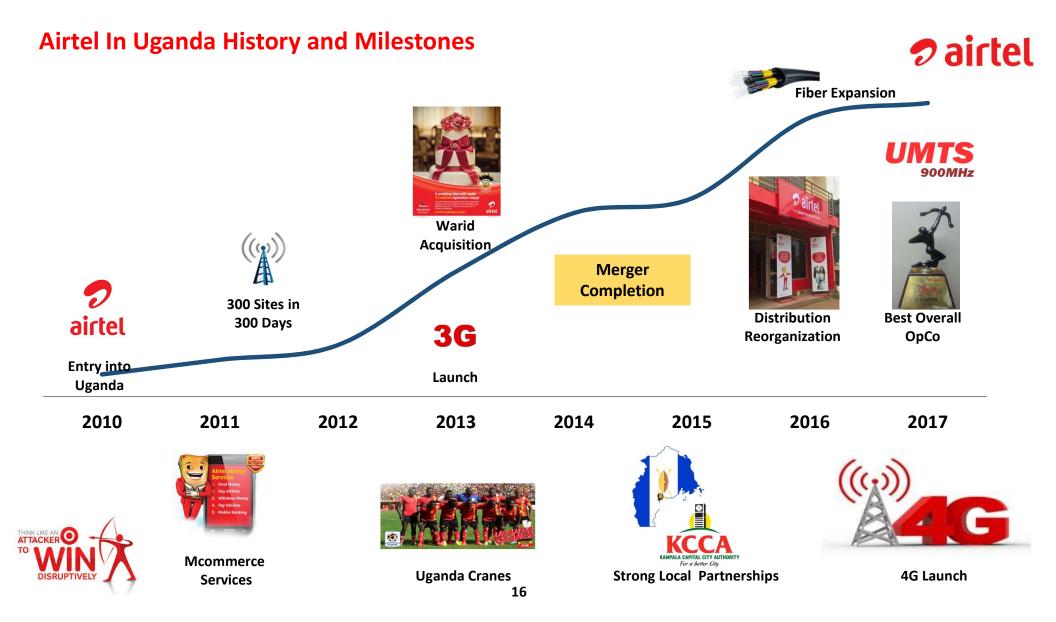


Airtel growing faster than industry

*based on Published data and estimates from various sources

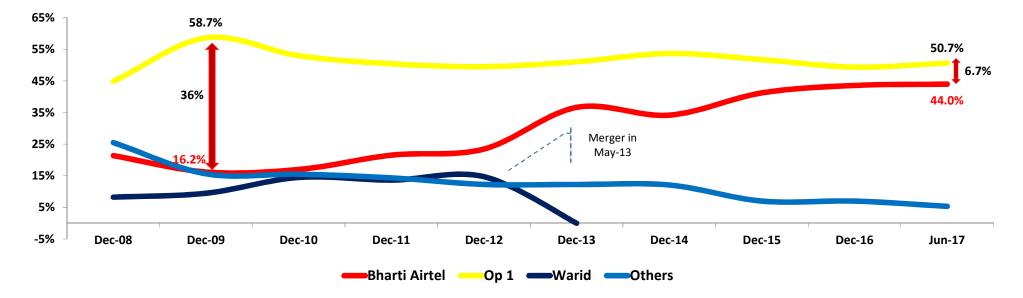






Airtel Uganda CMS Evolution

Telecom Operators in Uganda CMS Trends



In December 2010, the CMS gap between Airtel and Operator 2 was 36.0%. With the Merger the gap reduced to 12.1% as of June 2013.

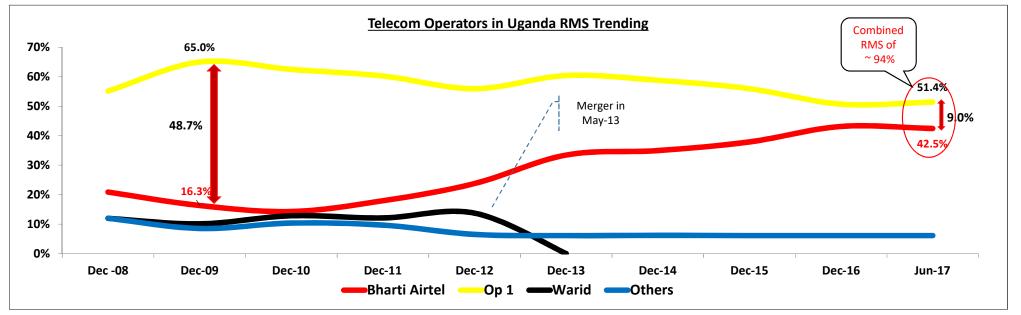
As of June 2017, the CMS Gap between Airtel and Operator 2 is at 6.7%.



*based on Published data and estimates from various sources

Airtel Uganda RMS Evolution





In March 2010, the RMS gap between Airtel and Operator 2 was 48.7%. With the merger the gap reduced to 23.4% as of June 2013.

As of June 2017, the RMS Gap between Airtel and Operator 2 is at 9.0%.



*based on Published data and estimates from various sources

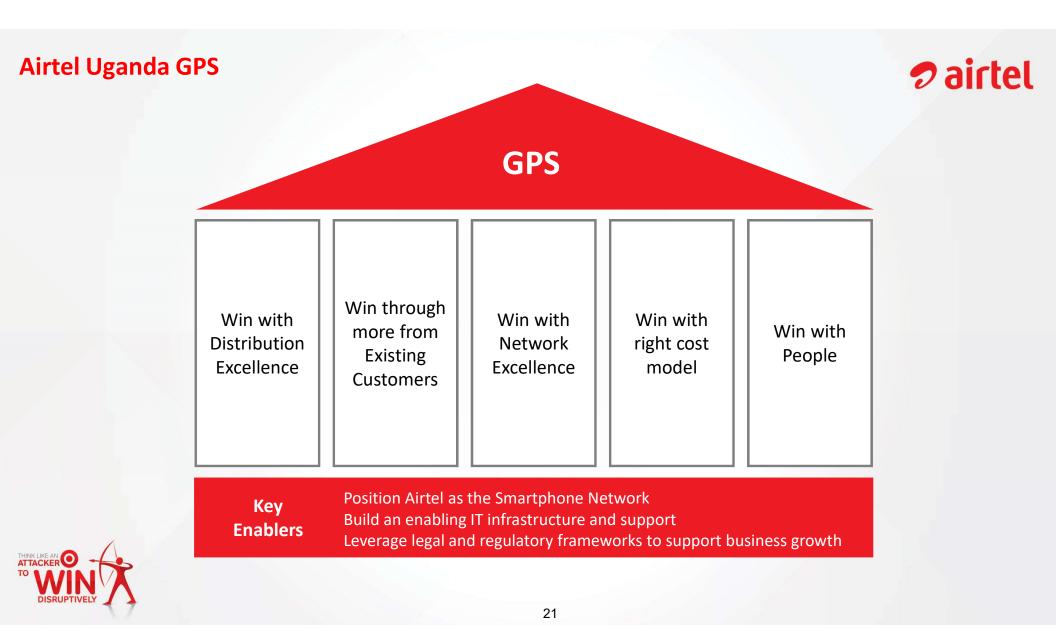




Uganda Ad Campaign Video





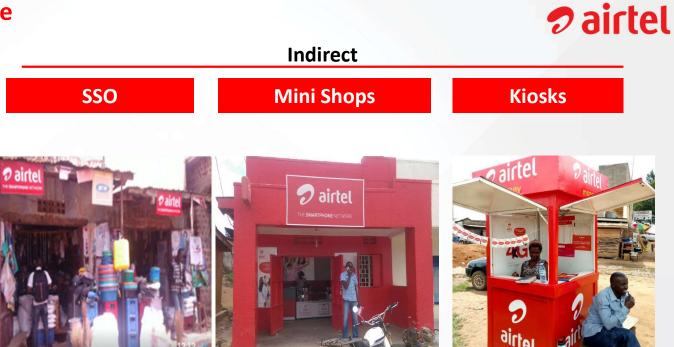


Win with Distribution Excellence

Direct



- Airtel Shops (owned + ٠ Franchised)
- Sales and Services ٠



- Independent multi ٠ brand outlets
- **Exclusive Franchise** ٠ shops AM float supply, SIM and RCV

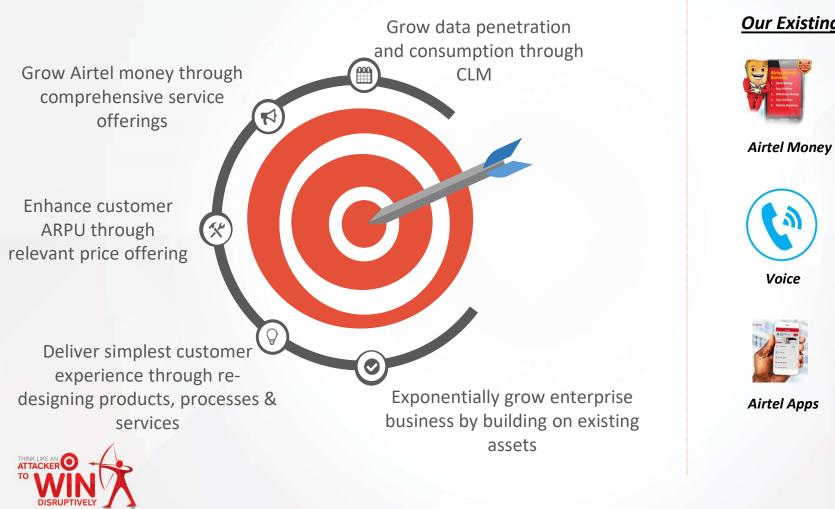


Exclusive Kiosks shops AM float supply, SIM and RCV

•



Win through more from existing customers



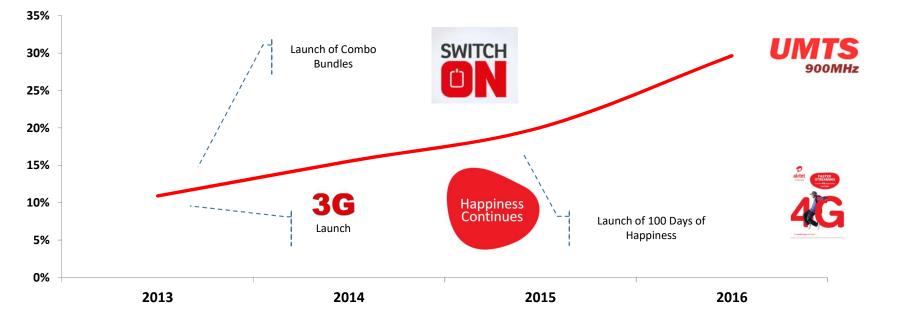


Enterprise

Win with Data Growth



🤊 airtel



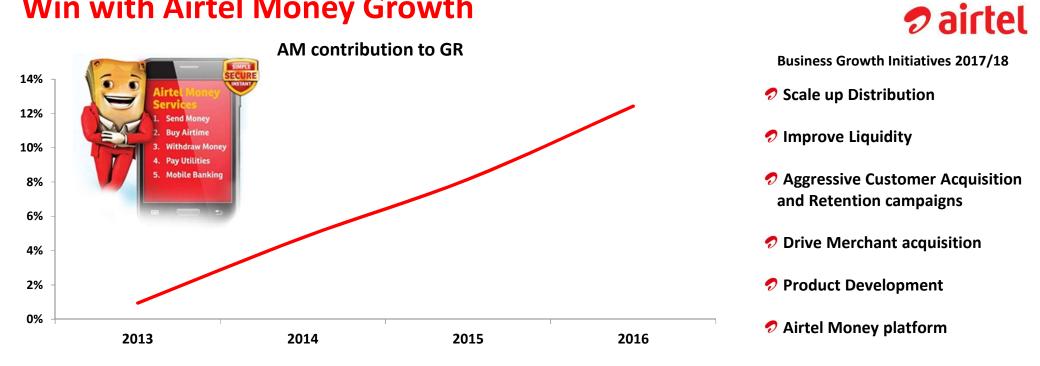
Data & VAS contribution to GR

Data Revenue in absolute and as a % of GR is consistently growing



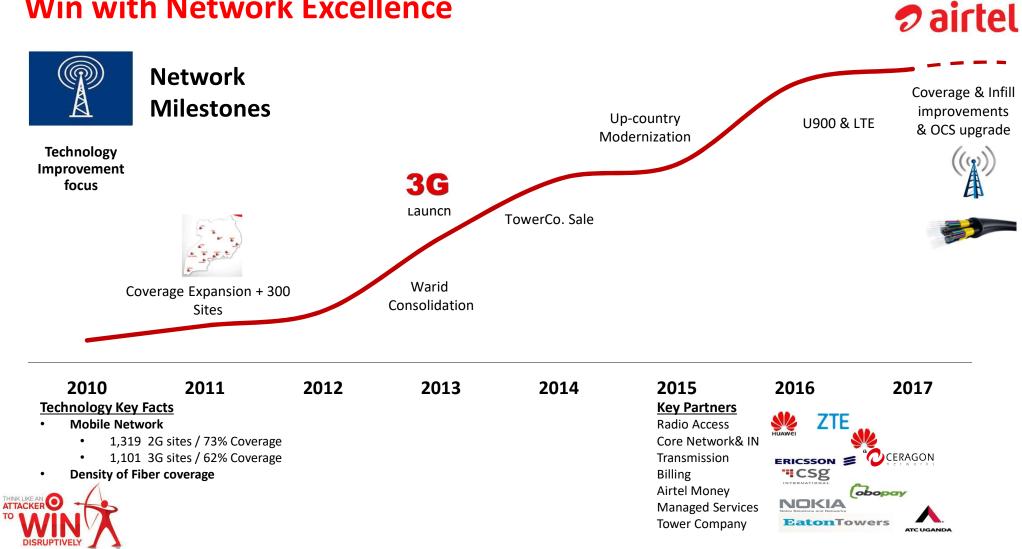
*includes Data & VAS revenue streams

Win with Airtel Money Growth



Airtel Money as a % of GR is on growth path with a healthy double digit growth every year





Win with Network Excellence

Win with IT Excellence



2017 Projects Completed

2017 Projects In Progress







KYC UCC regulatory Re-registration



OCS 1.2 to OCS 5.5



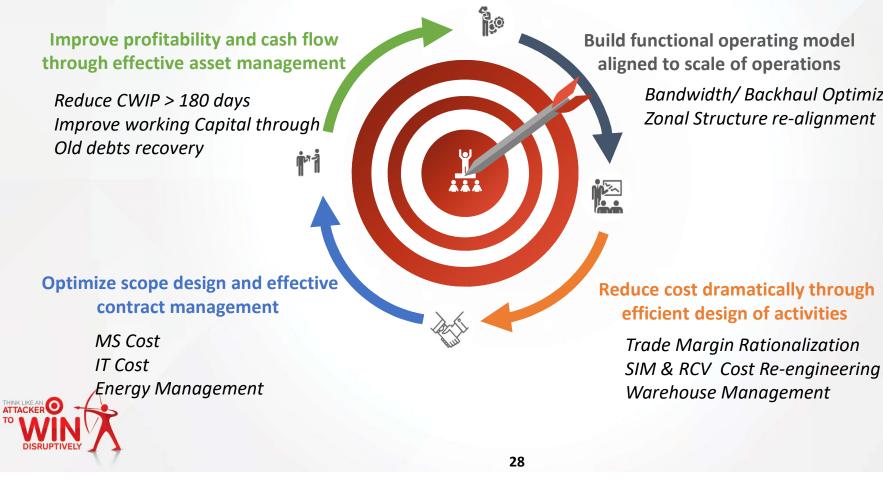


Global KYC

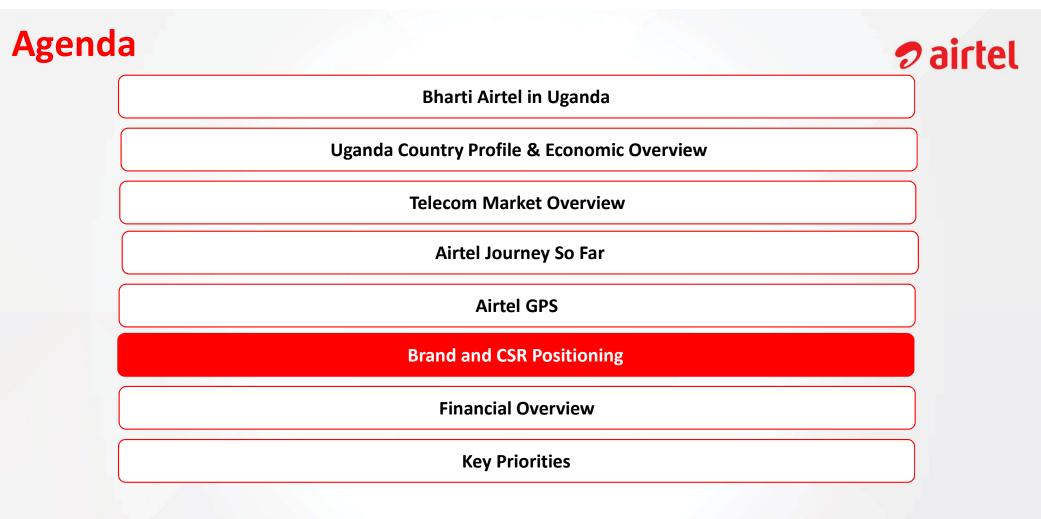


Win with Right Cost Model

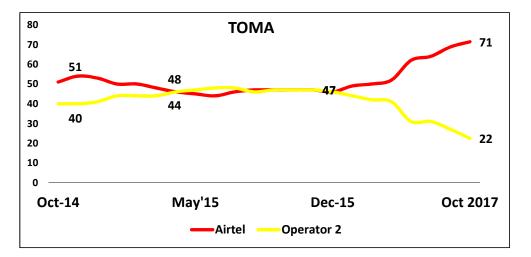
2 airtel



Bandwidth/ Backhaul Optimization





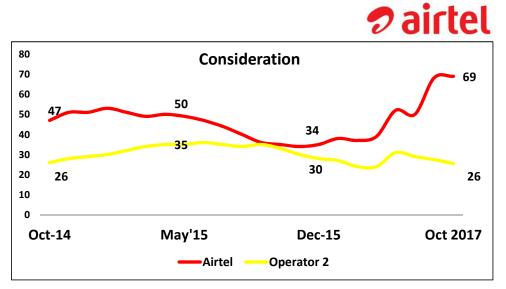


Brand Positioning

THE SMARTPHONE NETWORK

DISRUPTIVEL





Uganda Cranes Sponsors from 2013



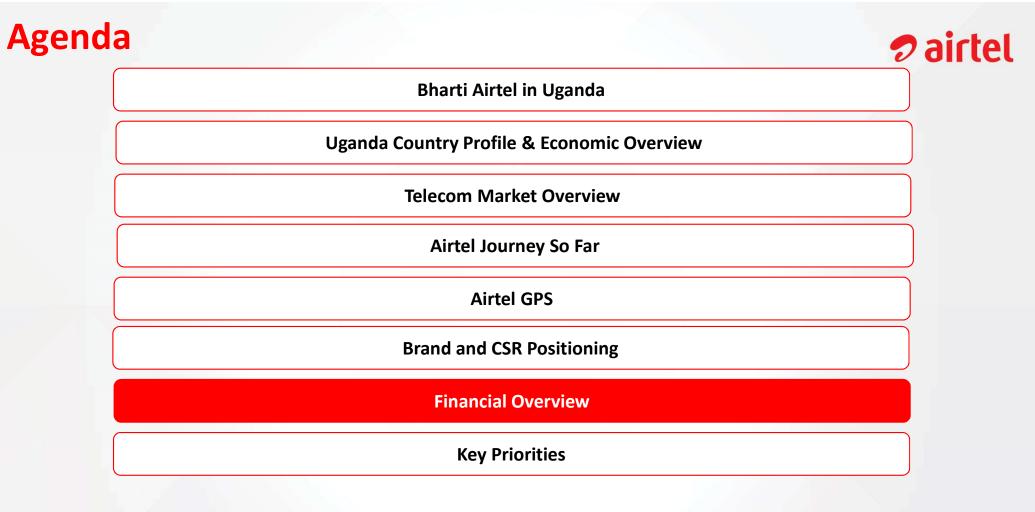
Our CSR Projects





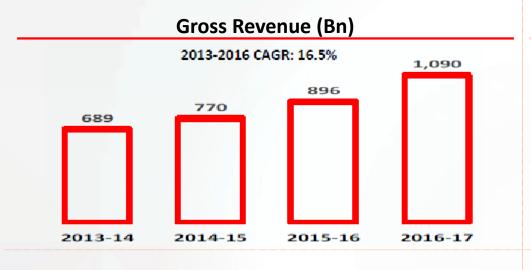








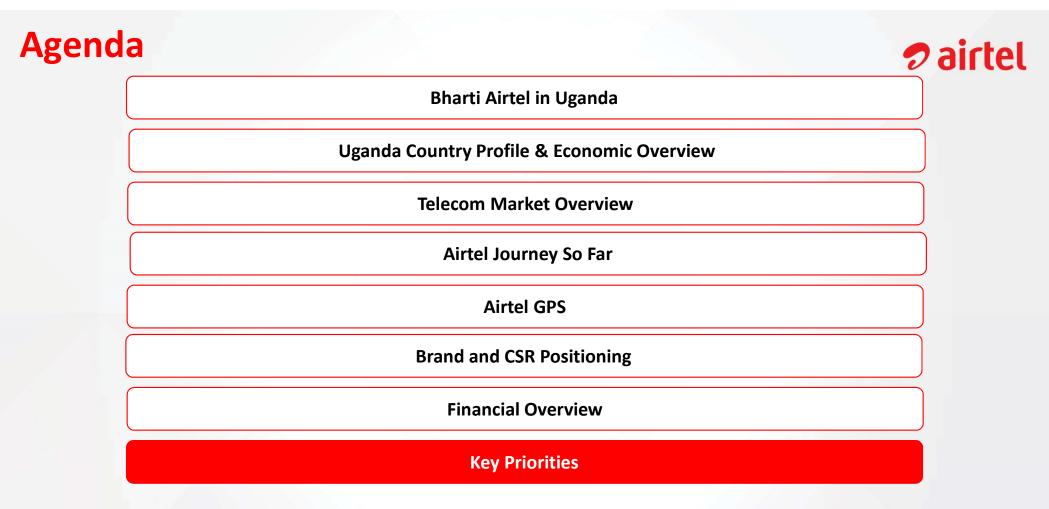
Airtel Uganda Financials



EBITDA Margin (%)

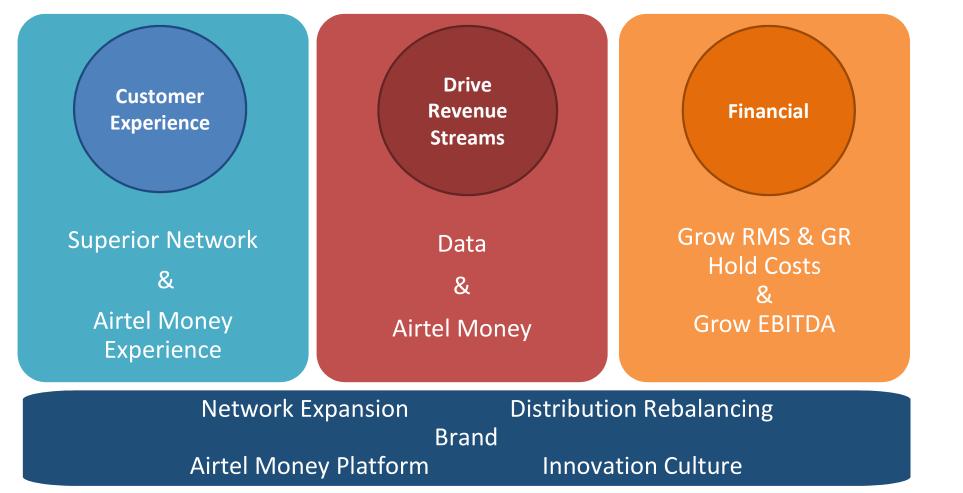








Slide 35



Our Priorities



