

Leading digital services & outstanding experiences

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Case study videos : investors.vodafone.com/digital-services

Our vision: The new generation connectivity & digital services provider

Our Purpose

Inclusion for All

Ensuring everyone has access to the benefits of a digital society

We connect for a better future

Planet

Reducing our environmental impact and helping society decarbonise

Digital Society

Connecting people and things and digitalising critical sectors

Our Vision

The new generation connectivity & digital services provider, growing in Europe and Africa



Deep & trusted customer relationships



Best connectivity products & services



Leading innovation in digital services



Outstanding digital experiences

Our Strategy

Enabled through Group scale & expertise



Simplified & most efficient operator



Social Contract shaping the digital society



Leading gigabit

The Spirit of Vodafone

Earn customer loyalty

Create the future

Experiment & learn fast Get it done, together



1 Deep & trusted customer relationships

We have made significant progress over the last 3 years

Launched converged customer offer in all European markets

Launched Unlimited driving ARPU uplift

Launched 'value' brands in 6 major markets

'Digital First' customer experience in all markets

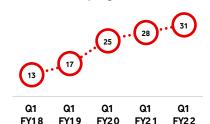
#1 or #2 NPS in 13 of 16 markets¹

FY21

European mobile contract churn (LTM)

Group Digital NPS





Evolving consumer needs present opportunities to go further



Purpose

A brand people can emotionally connect with



Purpose-led brand



Simplicity

A simple & easy-to-use converged experience



Digital

A digital first end-to-end



Home

More digital time in the home for work, education & play



Value

Overall value-for-money, not just price

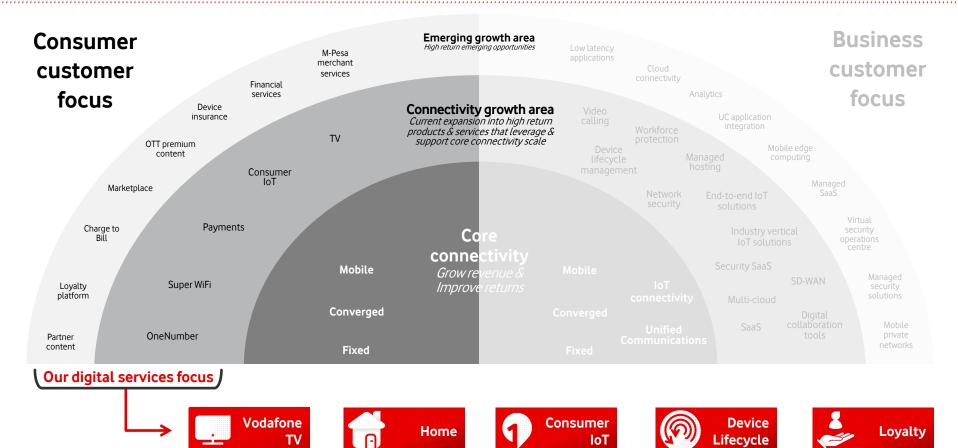
Multi-product connectivity

Digital First consumer platforms

Complementary digital services



2 : Leading digital consumer services





3: The leading FinTech in Africa





New financial services & opportunities

FinTech – we generate revenue of US\$1.3bn

Industry growth outlook FY21-FY25 = CAGR 27%

Insurance – addressable market US\$44bn

FY21-FY25 = **CAGR 3%**

We currently generate US\$60m

e-Commerce – addressable market US\$6bn

FY21-FY25 = CAGR 13%

We currently generate US\$0m

e-Services – addressable market US\$1bn

FY21-FY25 = CAGR 26%

We currently generate US\$0m



58 million

Vodacom financial services customers



US\$25bn

monthly transaction value



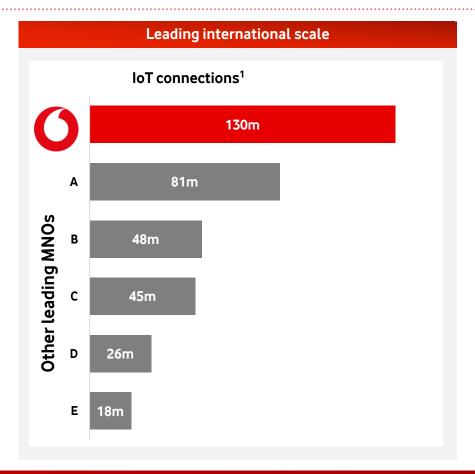
US\$1.3bn

financial services revenue¹



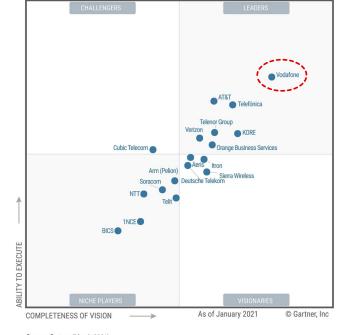


4: The global IoT connectivity leader



A Gartner leader in managed connectivity

Figure 1: Magic Quadrant for Managed IoT Connectivity Services, Worldwide



Source: Gartner (March 2021)

Digital services & experiences investor briefing

September 2021

For seven consecutive years



1: Deep & trusted customer relationships



1 Deep & trusted customer relationships

We have deepened relationships with consumers over the last 3 years

The expectations of consumers are evolving

Leveraging group scale to improve customer loyalty further

Trusted relationships underpin our revenue growth & productivity gains

A: We have deepened relationships with consumers over the last 3 years

Launched converged customer offer in all European markets

2: Leading digital consumer services

- Converged consumer connectivity offer in all European markets
- A leading European TV platform with 22m customers





Significant customer loyalty growth

#1 or #2 NPS in 13 of 16 markets¹



Launched Unlimited driving ARPU uplift

- Unlimited mobile plans in 12 European markets
- Supported by simplified & investment-linked pricing architecture





Second 'value' brands in 6

markets



Standardised operating model

Case study video: investors.vodafone.com/digital-services

Launched 'value' brands









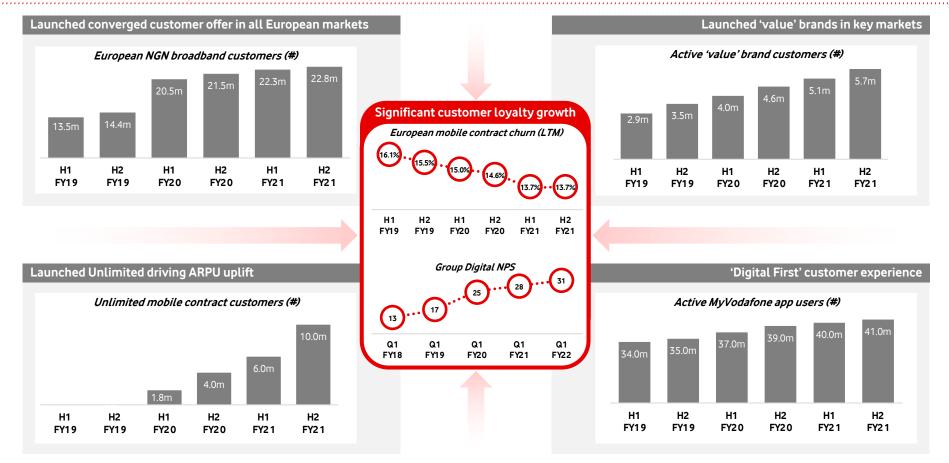
'Digital First' customer experience

- Class-leading suite of Digital First customer lifecycle management tools
- Supported by evolving retail channel presence





A: We have deepened relationships with consumers over the last 3 years





B: The expectations of consumers are evolving

We have a forensic understanding of what drives NPS today...

'Multi-products' have a large impact on mobile connectivity NPS

Variation from average NPS for those customer with multiple products / services

Variation from average in 5 for those customer with mattiple products 7 services				
	Penetration	NPS impact		
WiFi hotspots	24%	+13		
Cloud storage	19%	+13		
Online security	15%	+16		
Video streaming	14%	+12		
Music streaming	14%	+13		
Online gaming	7%	+12		

'Multi-products' have a large impact on fixed connectivity NPS

NPS for those with and without multiple products / services²

	Without	With
Landline	7	18
Pay-TV	8	24
Mobile	9	24
Video streaming	9	37
Cloud storage	9	33
Music streaming	9	41
WiFi hotspots	8	29
Online security	10	38
Smart home applications	13	40

Higher data allowance plans have significantly higher NPS

NPS by monthly data consumption¹

NF3 by infolicity data collist	приоп					
	France	Germany	Italy	Spain	UK	USA
<2GB	-4	12	11	-2	24	13
2-5GB	16	26	23	23	30	25
5-10GB	15	14	21	10	23	25
10-30GB	12	21	40	21	42	32
>30GB / Unlimited	20	-	36	40	58	33

Cable v fibre does not impact fixed connectivity NPS

NPS by fixed access technology²

	2019	2020
Digital subscriber line ("DSL")	9.4	12.5
Coaxial cable	13.6	17.7
Fibre	15.7	17.2
Fixed wireless access ("FWA")	n.a.	11.8



B: The expectations of consumers are evolving

...plus the longer term consumer trends accelerating over the last 18 months



Purpose

A brand people can emotionally connect with



Likely to switch to brands associated with good causes



More loyal to brands associated with good causes





Simplicity

A simple & easy-to-use converged experience



Want providers to advise on best tech & make life simpler



Want help with all devices from a single point of contact





Digital

A digital first end-to-end service



Mins a day spent on mobile internet



Mobile internet usage via app





Home

More digital time in the home for work, education & play



Experienced working from home during pandemic



Connected devices in the average European home





Overall value-for-money, not just price

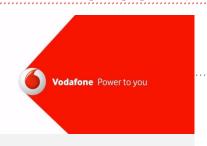


Consider both value & MNO brands in their shortlist of potential providers



Rank of Value for Money satisfaction in driving NPS score

C: Leveraging group scale to improve loyalty further 1) Purpose-led brand



2: Leading digital consumer services



2007-2015



Expanding mobile operator



3G mobile



Emergence of the smartphone as a tool for life





2016-2020



Establish position in fixed connectivity



Converged connectivity



Increasing pervasiveness of connectivity in life





2021+



Case study video investors.vodafone.com/digital-services



Purpose-led connectivity & digital services



A loved & trusted 'home' brand



More meaningful role for technology in the digital society



C: Leveraging group scale to improve loyalty further 2) Multi-product connectivity



Mobile connectivity

57m Europe customers are Mobile only

2: Leading digital consumer services

Satisfying customers' desire for higher mobile usage with Unlimited connectivity plans



Fixed connectivity

- 15m Europe customers are Fixed only customers
- Upgrading existing fixed customers to Gigabit networks, and cross-selling fixed to mobile-only homes



Complementary digital services

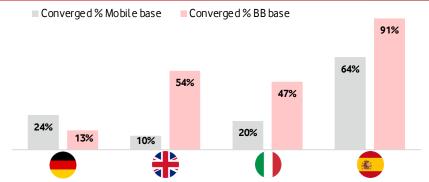
- High product usage (>50m) but most customers only use 1-2 additional digital services
- Strong distribution, new digital platforms and offers will create capability to scale



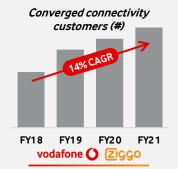
Broader household penetration

- 75% of households not yet converged
- Understanding customer needs further to further drive household penetration

We have a large consumer cross-selling opportunity in Europe

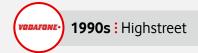






- Proven VodafoneZiggo integration model focused on cross-selling
- Focused on offering additional value instead of discounts
- Model being applied to Germany through 'GigaKombi' packages
- 1.7m converged German customers today, with significant opportunity







2000s: Multichannel



2010s: Omnichannel

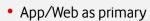


Always-on & personalised digital marketing



2: Leading digital consumer services

- Automated engine
- Agile & real-time
- Shared Group platform



- Optimise stores to support digital
- Shared Group platform



Digital **First** retail

Automated base management



- Predictive & relevant
- Real-time & automated
- Shared Group platform

- MyVodafone app
- Tobi Al assistant
- Shared Group platform



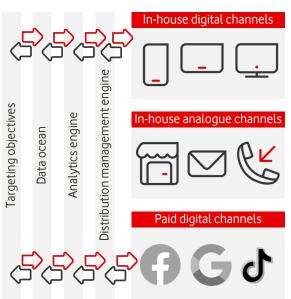
Al-based customer service



Engaging with customers at scale

Mass personalisation of marketing through enhanced automation





- Real-time delivery of personalised messages
- Highly efficient, in-house engine





- Owner operated
- Campaign Optimisation across search, social & programmatic



- All product teams now working in Agile Squads
- Products iterated on customer feedback with faster time-to-market



- Data-driven
- Bespoke global Alengine development
- Maximise learning & impact across the Group



 Accelerated and focussed design + lift & shift to markets





Strategic partnerships

Case study video investors.vodafone.com/digital-services

FACEBOOK

- App Distribution
- Customer Insights and Marketing Innovation



- Operating Billing
- Google Cloud Platform for Al



- Content distribution (Amazon Prime)
- Revenue Share



- Customer experience
- Digital sales



3: The leading FinTech in Africa

Digital First retail supported by redesigned analogue channels

>340 million customers



MyVodafone App

- 13 markets involved
- 41m active users
- Co-development
- Common code base





Desktop





In-store



Online channels

- Project ongoing with markets
- More efficient resource utilisation
- Consistent UI
- Unified platform

Assisted channels

- 5 markets involved
- Common journeys for all assisted channels
- Unified web-app base
- Seamless user experience



Increase digital adoption

- Implement a seamless experience across channels
- Educate customers to self-service



Increase sales volumes

- Drive up conversion rate & up-selling volumes
- Provide an engaging experience & personalised offers



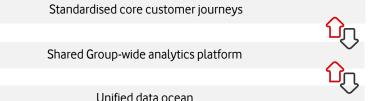
Drive operational efficiency

- Reduce retail operational costs
- Adopt simplified, reliable & efficient processes



Accelerate go-to market

- Use a standard modular architecture
- Reduce time-to-market & delivery cost







Evolving the largest Al-enabled customer service operation in Europe

From FAQ to cognitive assistant

- Started life as FAQ 'chatbot'
- Now cognitive conversations on chat (40%) & voice (60%)
- Powering MyVodafone app, online, contact centres & WhatsApp
- Extending now to active selling

Successful customer request resolution

- 63% of TOBi contacts resolved without transfer to a human agent
- Improved NPS to +49 (+40 in FY20)
- ~30m voice & chat conversations per month
- Avoid 50m assisted contacts per year



'One-bot' architecture for voice & chat

Case study video : investors.vodafone.com/digital-services

- Single, scalable technical platform
- Component-based architecture enables greater flexibility to deliver best-in-class.
- Integration layer drives reusability across markets
- Central library of best in class journeys

Enhanced data integration

- Engaged in 60% of inbound customer contacts
- Actively supporting human customer service agents
- Enables proactive customer service



Our always-on 'Base' management engine maximises household lifetime value through data-driven cross-sell, up-sell, retention & loyalty/rewards

Real-time customer insight



Complete household view

2: Leading digital consumer services



Internal + external holistic data sources



Real-time customer interaction



Automated decision-making

In-house developed Al engine

Reactive to customer query



Proactive to customers

'MarTech' digital automation stack









Personalised 'next best action'



Customer specific



Tailored products



Paid & own channels



Message / creative



Wer kombiniert, hat alle Vorteile



D: Trusted relationships underpin our revenue growth & productivity gains

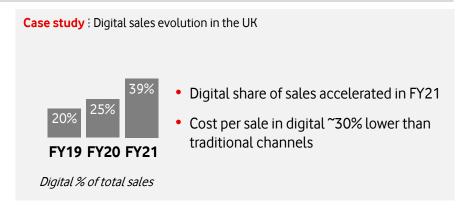
Convergence drives significantly better economics, supporting medium-term revenue growth ambition

	🔓 Fixed-only	Mobile-only	a Converged	S Digital services
# customers	15m	57m	8m	+50m
Contract ARPU / ARPA per month	~€ 25	~ €20	~ € 50	+€1-10
Direct margin	~70-80%	~85%	~80%	60-90%
Commission intensity	<15%	<20%	~10%	<10%
NPS	Good	Good	+7pts	Connectivity + 1 product: +11pts Connectivity + 2 products: +31pts
Churn	~15%	~15%	3-5pp lower	~2pp lower
Lifetime customer value	Good	Good	>3x	Strong incremental

D: Trusted relationships underpin our revenue growth & productivity gains

Digital First customer lifecycle management drives significant productivity gains

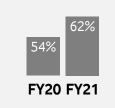
	2018	2021	Mid-term ambition
Customer acquisition via digital	11%	24%	>45%
Customer retention via digital	11%	28%	>65%
Frequency of customer contact	1.7x	1.4x	<0.9x
Inbound contacts via TOBi	Nil	37%	>95%



Significant driver of total cumulative net Opex savings in Europe



Case study: TOBi development in Italy

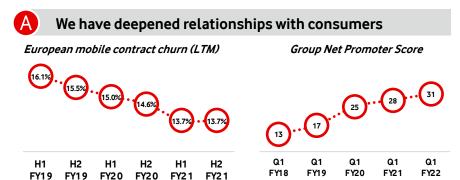


Tobi containment rate

- 62% of customer contacts managed without need for human interaction
- Frequency of contact to a human agent reduced 13% YoY
- Customer Care opex reduced 30% over last 3 years



Summary: Deep & trusted customer relationships



#1 or #2 NPS in 13 of 16 markets1

1	Purpose-led brand
2	Multi-product connectivity
3	Digital First consumer platforms
4	Complementary digital services

Leveraging group scale to improve loyalty further





Overall value-for-money, not just price



A simple & easy-to-use converged experience



A purpose-led brand to emotionally connect with



A digital first end-to-end service



More digital time in the home for work, education & play

	2018	2021	Mid-term ambition
Customer acquisition via digital	11%	24%	>45%
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Frequency of customer contact	1.7x	1.4x	<0.9x
Inbound contacts via TOBi	Nil	37%	>95%

D

Connectivity underpins revenue growth & productivity



2: Leading digital consumer services



2 : Leading digital consumer services

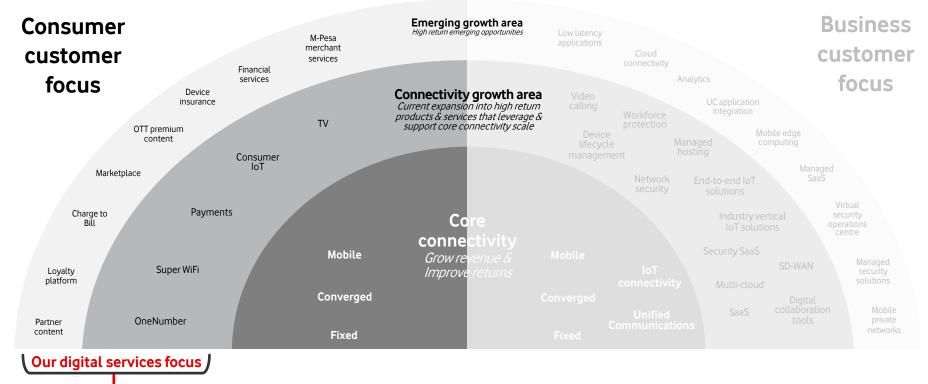
We have compelling growth opportunities in adjacent digital services

B We have the commercial & technical capabilities to deliver

We are developing scalable digital platforms for key growth areas

Our digital platforms have an attractive economic model

A: We have compelling growth opportunities in adjacent digital services















A: We have compelling growth opportunities in adjacent digital services

	□ VTV	a Home	C.loT	Device Life	🛂 Loyalty
Total addressable market ¹	€26bn	€3bn	€2bn	€7bn	€4bn
Market growth	Low single-digit	Double-digit	Double-digit	High single-digit	High single-digit
Industry margin	Good	Good-high	High	Good	Good
Addressable profit pool	€5-10bn	>€1bn	>€1bn	€1-3bn	€1bn
Critical success factors	Customer reach Content Technology	Customer reach Trusted brand Technology	Customer reach Product awareness Technology	Scale Integrated selling Digital experience	Scale Partnerships Technology
Our scale	22m customers		>20m customers		13m active users



Leveraging scale through shared expertise

Product management

1 : Deep & trusted customer relationships

- In-house platforms
- Standardised commercial tools
- Scale cross-market development

Strategic partnerships

- Content owners & distributors
- Brand owners
- Best-in-class technologies

Support functions

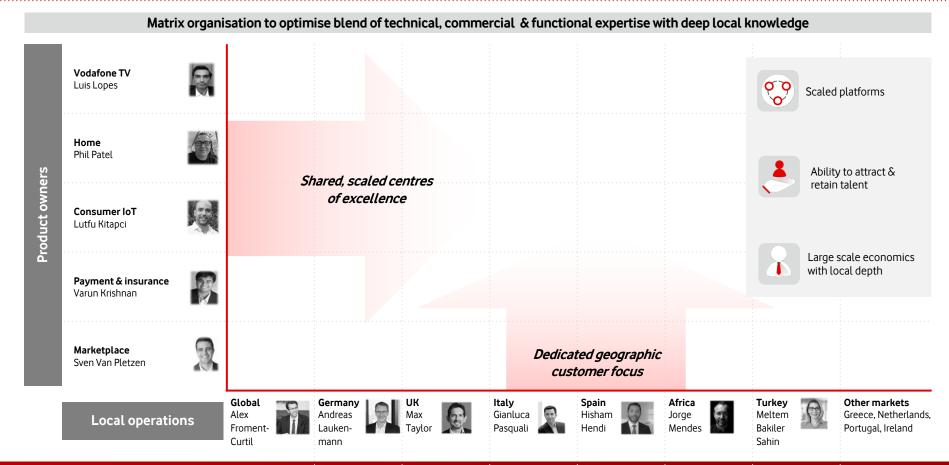
Strategy, commercial planning, brand, digital marketing, programme and project management, channel development

Local, in-market delivery & customer support



4: The global IoT connectivity leader

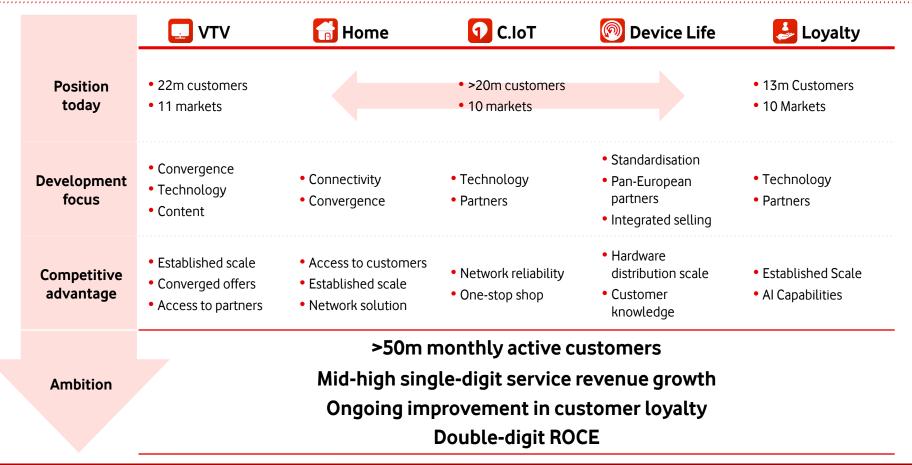
B: We have the commercial & technical capabilities to deliver





1 : Deep & trusted customer relationships

C: We are developing scalable digital platforms for key growth areas





1 : Deep & trusted customer relationships

C: We are developing scalable digital platforms – TV



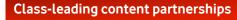
A scaled platform in Europe

- Germany: 13m
- Netherlands: 4m
- Spain: 2m
- Other Europe: 3m

11 markets

22m customers

Regional scale+ strategic partners

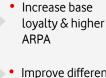


Avg. viewing of partner content in DE on our STBs is greater than smart TVs & Games Consoles



NETFLIX

>1 hour avg. daily partner content viewed



- Improve differentiated distribution & increase ARPA
- Create simpler choices & longer term commitment

A key pillar in our convergence strategy



Product Vodafone TV 4k

Launch February 2017

Partner Amazon



Vodafone Átika

November 2020

Devialet, Amazon



Vodafone TV 4k Pro

July 2021

B&O, Dolby, Google

Class-leading technology partnerships



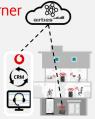
C: We are developing scalable digital platforms – Home



Super-WiFi: Reliable connectivity in every corner

2: Leading digital consumer services

- Self-optimisation for best WiFi experience
- Whole home WiFi Coverage guarantee
- Intelligent Diagnostics







Tech Experts: One-stop-shop for all Home Tech needs



Experts through Retail network monetising service & driving Brand Experiences



Premium paid service, delivered remotely or in customer homes



Case study: WiFi Doctor in Italy

Routerembedded software





Automated diagnostics & optimisation





Real-time contact centre updates



- Optimises a stable connection between every device on the network
- Secures excellent long-term endurance without abrupt interruptions
- Supplies the best performance for devices, based on usage
- Self-adapts to all connected de devices in real-time
- 16m auto-optimisations per day

Real-time, customer-specific data available to care agents

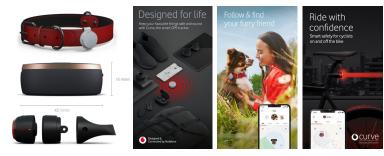


Automated diagnostics & solution proposals

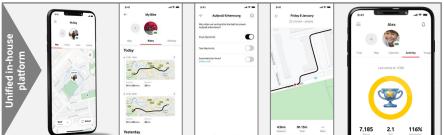




C: We are developing scalable digital platforms – Consumer IoT



2: Leading digital consumer services

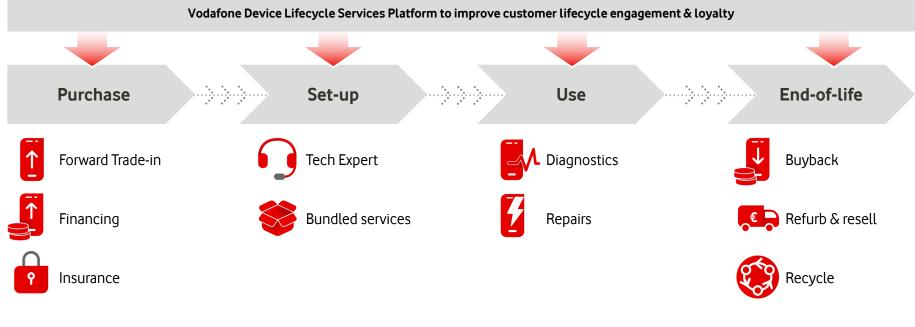








C: We are developing scalable digital platforms – Device Lifecycle













1: Deep & trusted customer relationships

C: We are developing scalable digital platforms – Loyalty

Loyalty applications driving engagement, satisfaction & loyalty



1: Deep & trusted customer relationships

- Increase customer satisfaction and value perception (+2-5pts NPS)
- Customers spend more (+€2-3 ARPU)
- More reasons to visit My Vodafone App (+20% visits per month)
- Customers stay for longer (-0.5pts churn)
- New revenue opportunities (advertising, commission, payments)

	Loyalty	Rewards	Marketplace
What are we offering?	Mostly free benefits either as prizes or in exchange for changing behaviour	Discounts / coupons / vouchers to buy products on 3 rd party merchant sites	Products & services direct to consumer
Examples of offerings	Recharge with X and get Y, Spin the wheel and stand a chance to win a phone etc.	Get 10% off Nike trainers, 20% off Starbucks coffee	Smart Tech products at retail prices
Payments	No payment involved	Redeem rewards from VF for no cost, pay on 3 rd party merchant sites	Pay directly with VF
Delivery / returns etc.	Limited only for physical prizes done by VF or outsourced	Managed by 3 rd party advertisers/publishers	Either managed by VF or 3 rd party sellers (to be determined)



Marketplace capabilities

4: The global IoT connectivity leader

- Marketplace generates incremental non-connectivity revenue by creating value customers, partners and Vodafone. Categories include fashion, home & living, handsets, petshop, cosmetics & electronics
- **Customer value**: Best digital services, exclusive offers, easy payment options (mobile payment, Vodafone pay) & deepening further engagement
- Partner value: Access to customers, marketing & sales support, international deal support
- Shareholder value: Attractive stand-alone economics, deeper insight into customers & higher loyalty with customers



D: Our digital platforms have an attractive economic model

	□ VTV	G Home	1 C.loT	Device Life	Loyalty
Service revenue growth ambition	Low single-digit	Double-digit	High double-digit	Double-digit	High double-digit
Contribution margin	Good	High	High	Good	High
Investment model	Content partners Hardware partners Software partners	Hardware partners Software partners	End-to-end Branding partners	Technology partnerships	End-to-end Merchant partners
Capital requirements	Low	Low	Medium	Low	Low
Indicative ROCE	Good	High	Good	High	High
Impact on core connectivity loyalty	Strong	Strong	Strong	Strong	Medium

D: Our digital platforms have an attractive economic model



Case study: Device lifecycle in the UK





Search for your device using its IMEI number or by choosing the make

Then simply answer a few questions about the condition of your device

Finally, choose your preferred payment method and enter your contact



STEP 2: Send us your device

information on how to post your device back to us. Or you can choose to print off a freepost returns label and package up the device yourself.

Once we've received your device we'll be in touch to let you know it's arrived and we will process your payment. Please allow up to 5 working



STEP 3: Receive your payment - which could be same day!

No one likes waiting around to be paid - so once we've received your

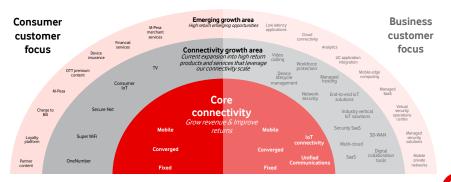
All that's left for you to do is to spend it!

- Vodafone UK ambition to be #1 destination for Trade-In
- Guaranteed savings for customers using MyVodafone App
- Trade-in key to drive market share increase at product launch
- Ambition of 1m+ cumulative Trade-In transactions over 6 years

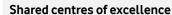


Summary: Leading digital consumer services





















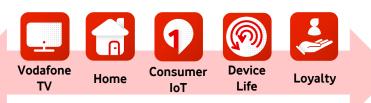












Scalable digital platforms for key growth areas



Strong service revenue growth



High contribution margin



Double-digit incremental ROCE

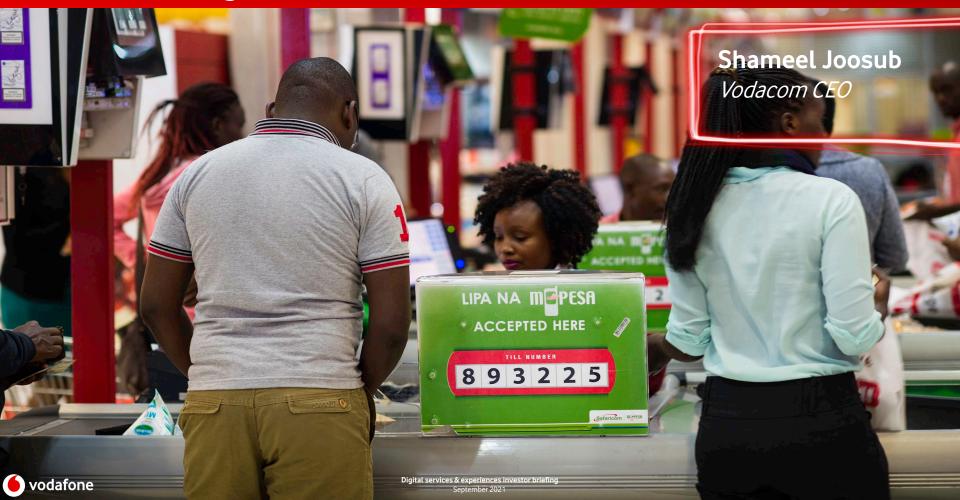


Significant impact on core connectivity loyalty

Digital platforms have an attractive economic model



3: The leading FinTech in Africa



3 : The leading FinTech in Africa

We built the leading FinTech platform in Africa

B We have a strong opportunity to extend our leading position

Our economic model is highly attractive

We have a clear strategic roadmap for growth

A: We built the leading FinTech platform in Africa

2: Leading digital consumer services

Vodacom Group: c.30% of Vodafone Group operating profit



Market leading position across all our markets

US\$6.7bn



Vodacom Group revenue

South Africa & International markets (DRC. Tanzania, Mozambigue, Lesotho)

US\$2.7bn1

Safaricom revenue

(associate)

US\$2.7bn

Vodacom Group EBITDA EBITDA margin 40.0%

US\$1.3bn1

Safaricom EBITDA (associate)

EBITDA margin 51.0%



>400m

Population

in countries where we operate



46% **Smartphone**

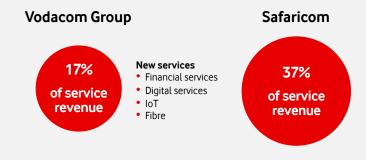


penetration

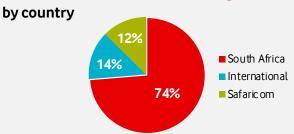


Purpose-led model AAA ESG rating from MSCI

New services contribution



Vodacom Group operating profit





A: We built the leading FinTech platform in Africa



Consumer System of Advantage

Further together, growing with our customers

Lifestyle 'super-app'

Future Data of Home Connectivity Smartphone

- penetration
- 5G leadership
- ConnectU
- Save your moments

Entertainment

Security

Home tech

Digital

- Video
- Gaming
- Music
- Smart home & loT

Payments / M-Pesa



- Services & bill payments
- P2P transfers
- E-commerce
- Scan to pay

Financial Services / M-Pesa



- Lending
- Investments
- Life & funeral insurance
- Device & short-term insurance

Everything personalised



 Global recommender supporting beyond mobile opportunities

Loyalty 'Vodabucks' programme – behavioural rewards across all platforms

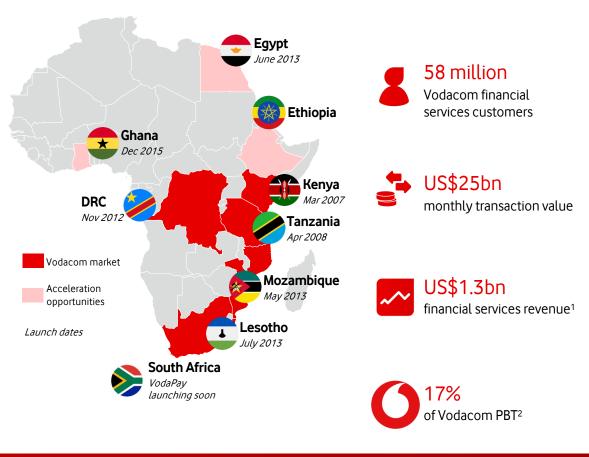
Big Data Analytics and 360° view of the customer

Differentiated Customer Experience across all channels



Case study video investors.vodafone.com/digital-services

A: We built the leading FinTech platform in Africa



March 2007 – M-Pesa launched as a money transfer service **2011** – International money transfer **2012** – Micro loans & savings **2014** – Merchant payment services Vodafone sells Safaricom stake

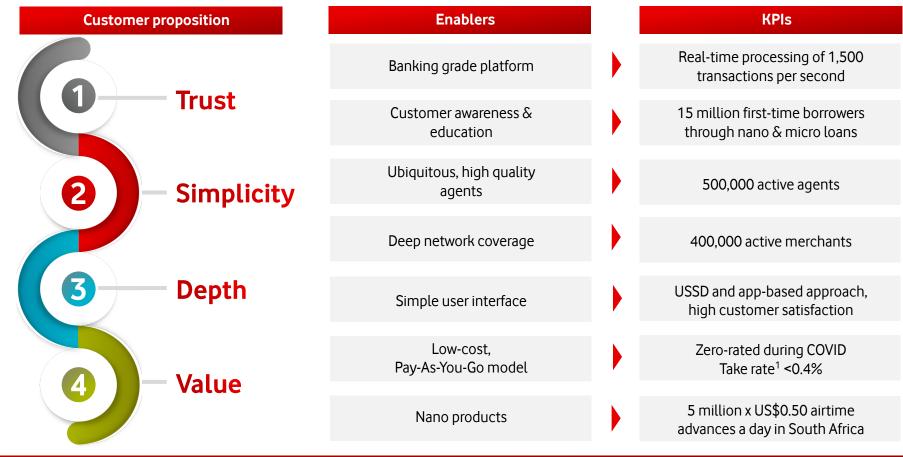
2017 – Vodafone sells Safaricom stake to Vodacom

2019 – Vodafone sells M-Pesa Africa to Vodacom/Safaricom

2021— Launch of M-Pesa and VodaPay 'lifestyle super-apps'



2 : Leading digital consumer services





M-Pesa Africa

US\$1.15 billion of revenue in FY21



1: Deep & trusted customer relationships

Money transfer & basic services

- Person-to-person ('P2P') transfers
- Bank transfers & cash in/out
- Mobile top-ups
- International money transfer



Digital payments

- Consumer to business
- Business to consumer
- Business to business

- Micro loans
- Overdraft facilities
- Insurance (new)

Investments and savings (new)

of M-Pesa revenue

78%

14%

of M-Pesa revenue

Financial services



of M-Pesa revenue

8%

Financial Services in South Africa

US\$161 million of revenue in FY21



Financial services

- Airtime advance
- Voucher advance
- Merchant payments
- SME lending ('Vodalend')
- Enterprise resource planning ('VodaTrade')
- Invoice financing



Insurance

- Short term (device) insurance
- Life insurance
- Funeral cover
- · Roadside, home, home drive assist

40%

60%

of SA financial

services revenue

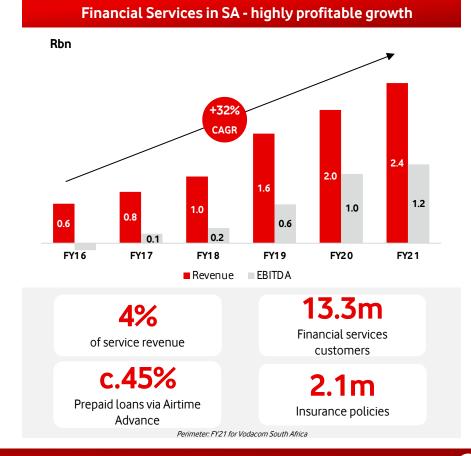
of SA financial

services revenue



Products & services

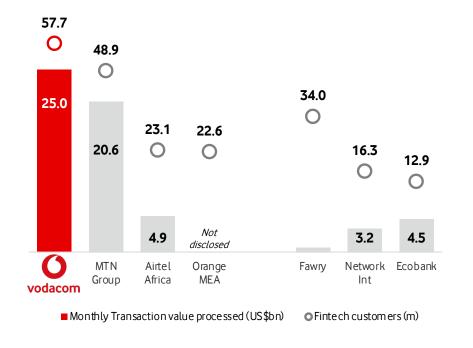
M-Pesa – consistent track record of growth Monthly transaction value (US\$bn) +67% **CAGR** 25.0 21.1 14.7 12.5 FY19 FY20 FY21 Q1 FY22 M-Pesa customers (millions) 28.3 24.9 22.6 16.1 13.5 14.7 FY19 FY20 FY21 ■ Vodacom International ■ Safaric om 28% 44.4m of service revenue M-Pesa customers US\$3.3bn **75%** growth in merchants Nano-loans granted Perimeter: FY21 for Vodacom International & Safaricom on 100% basis



1 : Deep & trusted customer relationships

A: We built the leading FinTech platform in Africa

African competitive landscape covers telcos, fintech & banks



Supportive regulatory environment

M-Pesa

Regulated and licensed by central banks

Deposits held in trust, no interest earned, no capital required

South Africa

Fully licensed insurance provider

VodaPay launching with sponsor bank partner

Across markets

Marketplace/Over-the-top approach to traditional banking products

Data privacy and GDPR compliance

Anti-money laundering requirements

Perimeter: Last reported quarter/period. Network International customers based on cards in issue. Ecobank based on digital customers



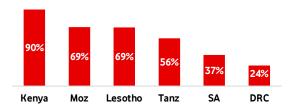
1: Deep & trusted customer relationships

B: We have a strong opportunity to extend our leading position



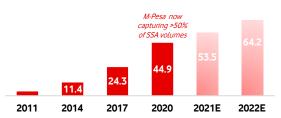
Money transfer & basic services

Further financial service penetration...



...and transaction value growth

Industry wide sub-Saharan Africa ('SSA') mobile money monthly transaction values (US\$bn)



Source: GSMA, forecasts based on GSMA global view





57% **Financial** services penetration





Growth opportunities

Fintech – we generate revenue of US\$1.3bn

Industry growth outlook FY21-FY25 = CAGR 27%

Insurance – addressable market US\$44bn

FY21-FY25 = CAGR 3%

We currently generate US\$60m

e-Commerce – addressable market US\$6bn

FY21-FY25 = CAGR 13%

We currently generate US\$0m

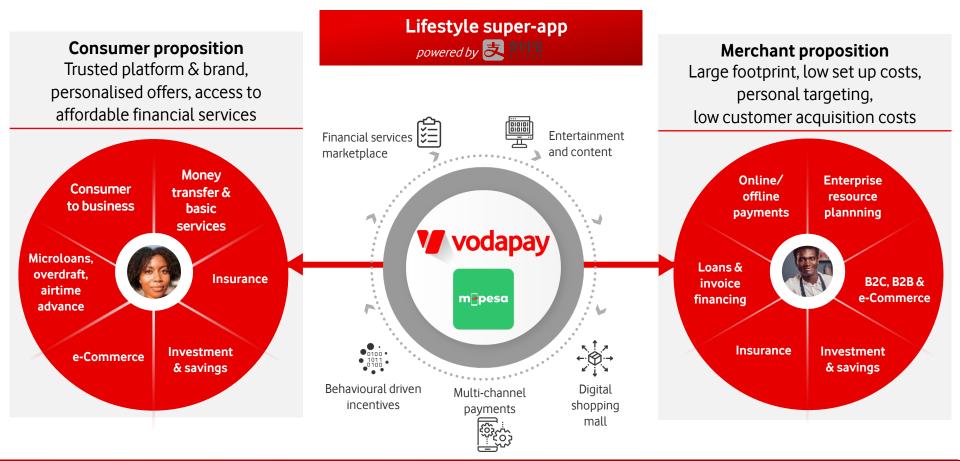
e-Services – addressable market US\$1bn

FY21-FY25 = CAGR 26%

We currently generate US\$0m



B: We have a strong opportunity to extend our leading position



4: The global IoT connectivity leader



B: We have a strong opportunity to extend our leading position

4: The global IoT connectivity leader

An evolving agile matrix organisational model			
	Brand focus	Legal structure	Management
South Africa	V vodapay	Local separation between Vodapay & telco	Vodacom Financial Services ¹
Kenya	MPESA	Integrated with Safaricom	M-Pesa Africa ²
Tanzania	m-pesa	Local separation between M-Pesa & telco	M-Pesa Africa ²
DRC	m-pesa	Local separation between M-Pesa & telco	M-Pesa Africa ²
Mozambique	m-pesa	Local separation between M-Pesa & telco	M-Pesa Africa ²
Lesotho	m-pesa	Local separation between M-Pesa & telco	M-Pesa Africa ²
Ethiopia	Not launched	Not launched	Not launched
Egypt	Cash	Integrated with Vodafone Egypt	Vodafone Egypt
Ghana	Cash	Local separation between Vodafone Cash & telco	M-Pesa Africa ²

... enabling our growth ambitions

Dedicated management focus & skilled resources



Scale & ability to replicate service offerings of our leading markets



Innovation hub, nimble & quick to market

Growth & **ROCE**

Central relationship for global tech & payments partnerships

Growth, **ROCE** & valuation

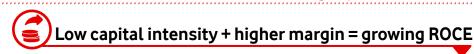
Greater disclosure & 'look-through' value

Valuation



C: Our economic model is highly attractive

2: Leading digital consumer services

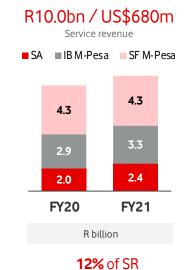


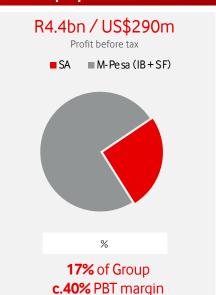
Vodacom Group Fintech financials – 100% basis¹

US\$1.3bn Service revenue

US\$580m Profit before tax

Vodacom Group Fintech financials – proportionate basis²



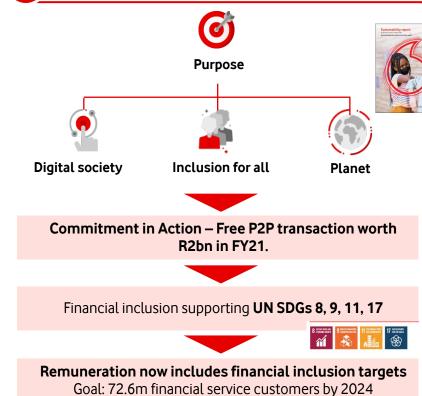




Digital services & experiences investor briefing

September 2021

Also creating value for society



C: Our economic model is highly attractive



High-growth & scalable model with attractive returns

Expanding our product set to capture growth opportunities

Payments & e-Commerce

- Services & bill payments
- P2P transfers
- Scan to pay
- International money transfer
- Consumer to business
- eCommerce payments

Lending

- Prepaid handset finance
- Airtime Advance
- Voucher Advance
- Micro loans
- Overdraft facility
- Instant/virtual credit card
- Installments

Savings & investments

- Savings
- Fractional ownership of shares & commodities
- Unit trusts
- Money market

- Device
- Home & road assist

- Third-party
- Car

Insurance

Short-term

- Long-term
- Life & funeral
- Group Schemes
- Contract cover
- Home

Merchant services

- Online (e-Com) & offline point of sale payments
- Business to business
- · Business to consumer (eq. Salaries)
- Enterprise resource planning
- Invoice financing
- SME lending



Scalable platform



Fintech marketplace

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Behavioural lovalty

Multiple revenue drivers

Fee per transaction

(P2P. cash-out, C2B. B2B. B2C & e-Commerce)

Service fee

(Airtime advance. content. loans)

Commissions

(investment products. 3rd party services)

Platform hosting fees

Advertising fees

Attractive margins & returns

c.40% PBT margin

with further opportunities including digitalising inflows & outflows, and increased use of Shared Services

Maintain low capex intensity

As we leverage global

tech partnerships (i.e. AliPay) and centres of excellence (i.e M-Pesa Africa), to deliver highly attractive ROCE



D: We have a clear strategic roadmap for growth

Financial services integral to our Vision 2025

Combine the power of connectivity & Fintech



Enhance our System of Advantage



Scale affordable financial & digital services



Deliver =/>20% CAGR Fintech revenue growth

Capabilities



Next Generation technology



Al, Big Data & AML



Open API



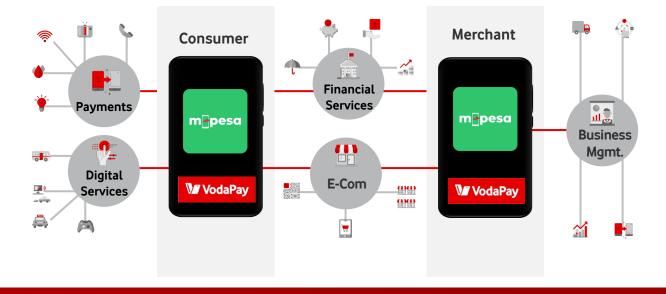
Single point of integration



Cloud enabled

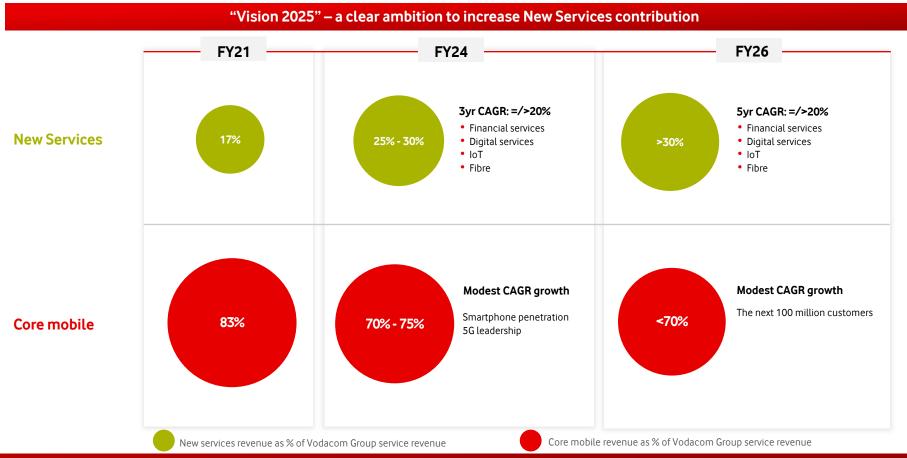
TechCo approach to connecting consumers and merchants

Powered by M-Pesa Africa and Vodacom South Africa we are building lifestyle super-apps with mini apps capabilities, exposing the best merchants and partners offers to the broadest customer base





D: We have a clear strategic roadmap for growth

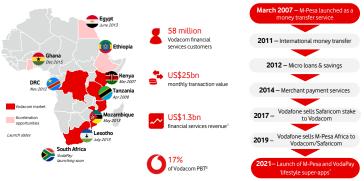




Summary: The leading FinTech in Africa

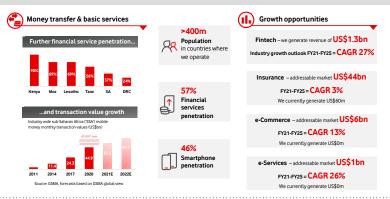


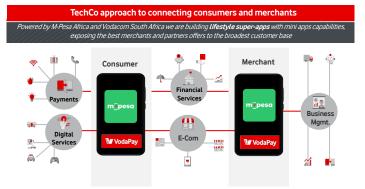
We built the leading FinTech platform in Africa





B Strong have a strong opportunity to extend our leading position





We have a clear strategic roadmap for growth



Our economic model is highly attractive



4: The global IoT connectivity leader



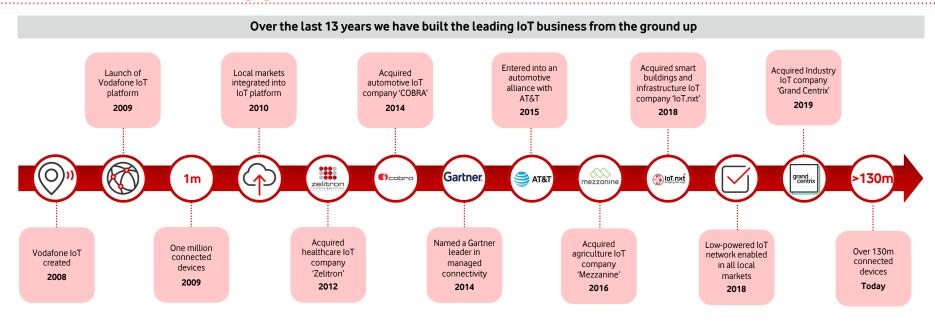
4 : The global IoT connectivity leader

We built the leading global IoT connectivity business

The addressable market opportunity is compelling

Significant benefits from scalable platforms & services

Our economic model is highly attractive





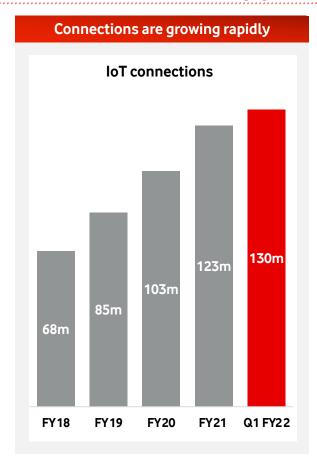
>130m connected devices

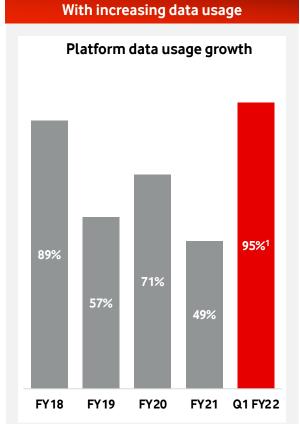


A Gartner 'leader' in Managed Connectivity for seven consecutive years

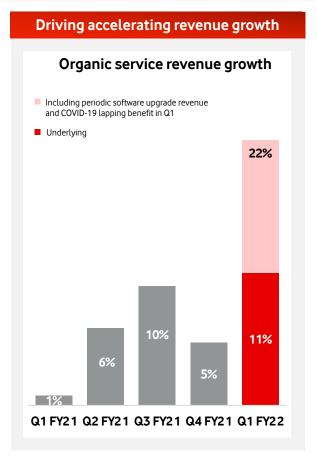






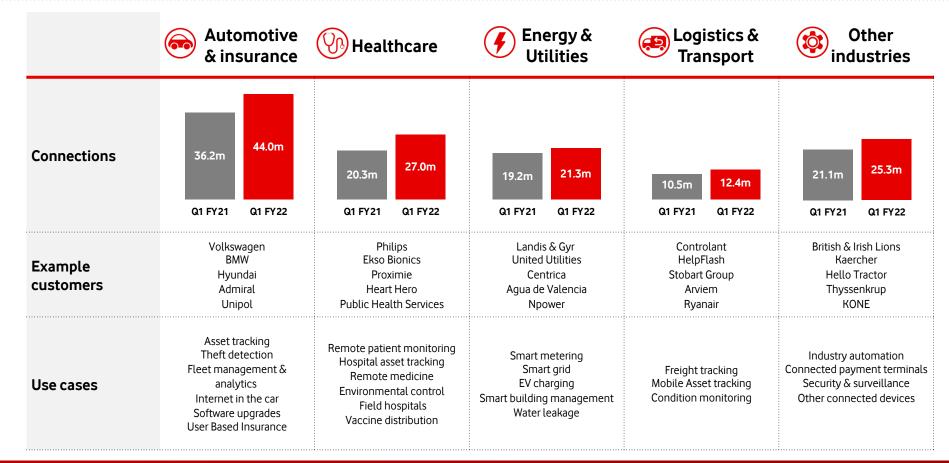


Digital services & experiences investor briefing September 2021

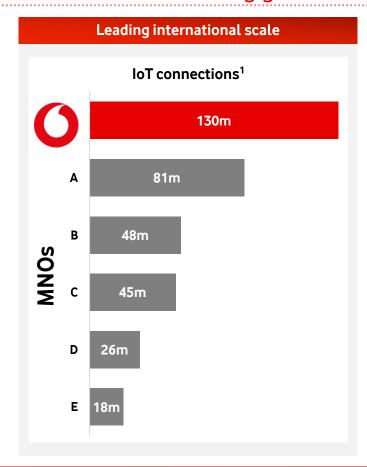


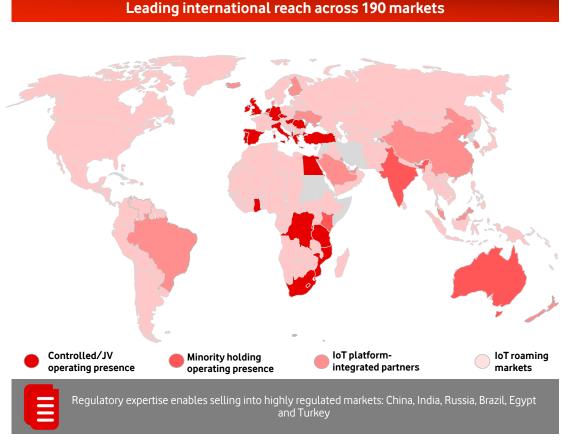


1 : Deep & trusted customer relationships









1 : Deep & trusted customer relationships

Capabilities









Channel

- 250 in-house IoT specialist sales staff, alongside our generalist sales staff and 3,600 indirect resellers
- Enabling deep international customer reach



Partner economics

On-footprint scale bolstered by partners which are integrated into our global IoT platform



Procurement & logistics

- Procuring, managing and servicing customer devices
- Enabling new revenue streams and larger procurement scale



Deep vertical expertise

- 5 global centres of competency
- Enabling deep vertical-specific expertise and solution creation



MPN & MEC leadership

- First-to-market Multi-access Edge Computing with AWS & 20 live Mobile Private Networks
- Enabling deeper IoT solutions expertise







Platform

- Self-built and secure global platform
- Enabling leading economics, rapid deployment, security by design and easy API linkage



Portal & analytics

- Advanced portal and analytics
- Driving improved customer experience and value creation



Integrated SIMs & SIM localisation

- Embedding connected SIMs into customer hardware and localising SIMs to improve economics
- Driving reduced churn, higher share of value chain and reduced cost



Development capability

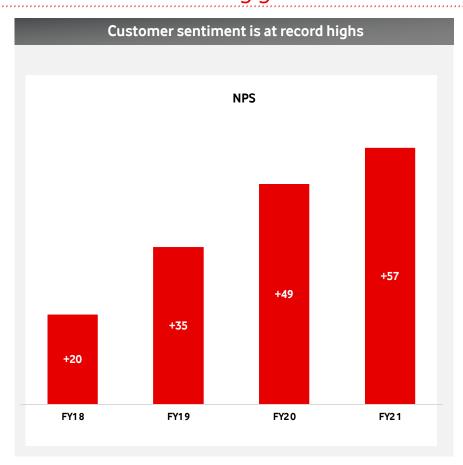
- >500 developers
- Enabling scalable and rapid portal, platform and solutions development



SIM trust & security

- Patented authentication technology for blockchain and micro payments
- Enabling best-in-class device security





A Gartner leader in managed connectivity¹

Figure 1: Magic Quadrant for Managed IoT Connectivity Services, Worldwide



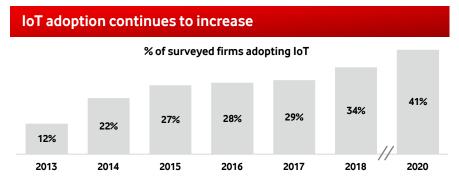
- ..

For seven consecutive years



1 : Deep & trusted customer relationships

B: The addressable market opportunity is compelling



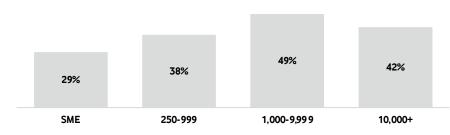
With adopters experiencing multiple benefits

	Benefits experienced
Reduced operating costs	55%
Improved understanding of environmental impact	51%
Reduced environmental waste	50%
Improved business insights	50%
Improved employee productivity	49%
Reduced carbon footprint	43%
Improved asset utilisation/uptime	42%
Greater flexibility when servicing customer demands	39%
Greater customer loyalty	38%
Improved efficiency	38%
Improved brand differentiation and market competitiveness	36%
Streamlined environmental and regulatory compliance	36%

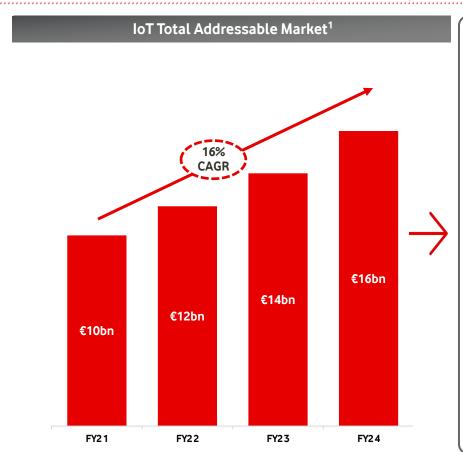
Leading to deeper adoption	
	Net agree
We're more positive about the potential of IoT	92%
Our confidence in IoT technology has grown	88%
Data analytics has become more important to use because of IoT	87%
IoT has changed the way we approach data analytics	86%
We have more live IoT projects	84%
Our reliance on IoT has grown	84%
The scale of our IoT projects has grown	84%
IoT has enabled us to do things we couldn't do previously	84%
We've increased our use of partners to deliver IoT solutions	83%
We're spending more on IoT	81%

And SMEs present an even larger opportunity

% of surveyed firms adopting IoT











1 : Deep & trusted customer relationships

B: The addressable market opportunity is compelling

€750bn recovery fund enables significant IoT opportunity

Smart cities – Ibiza

1 : Deep & trusted customer relationships



- Ibiza received EU recovery funds for digitalisation and published a public tender in October 2020
- Vodafone won the public tender through offering IoT solutions including early fire detection, seawater quality and environmental monitoring, beach capacity control, smart parking and traffic management, alongside a mobile and web application for tourists
- These solutions are being integrated into one single platform, enabling the island of Ibiza to not only welcome tourists back but to improve their capabilities and environmental protections
- Three other EU RF related smart city tenders have already been won in Spain alone, with many more expected to follow

Digital for green – Smart forests



- Vodafone partnered with Rainforest Connection, a non-profit, to create Romania's first smart forest in 2021, giving a voice to trees in the fight against illegal deforestation
- Solar-powered IoT devices are placed in trees, each monitoring over 3km² of forest for the sound of chainsaws
- When activity is detected, alerts are automatically sent to forest rangers, via a smartphone app, improving response effectiveness, which is especially important as a single ranger may be responsible for thousands of hectares
- Smart forest solutions are also active in the UK. where we have partnered with DEFRA to measure CO2 absorption

eHealth – Telemedicine in Greece

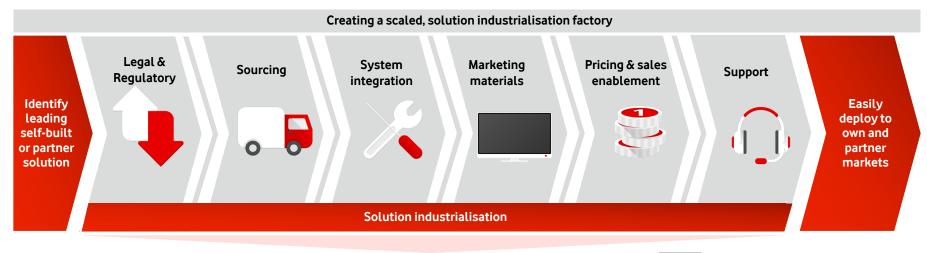


- Vodafone Innovus developed a telemedicine platform for the Greek health service to improve healthcare accessibility for 500,000 citizens on remote mainland regions and islands
- Patient devices such as pacemakers, diabetes monitors and smart watches are connected into one platform integrated into established clinical systems
- Doctors and other care personnel can then remotely monitor patients, quickly identify potential issues and examine patients via the platform
- 51,000 remote examinations have been carried out today, saving considerable transportation costs and improving health outcomes
- This solution will now be deployed across Vodafone's markets

70% of grants must be distributed by end of 2022, all funds must be spent by end of 2026



C: Significant benefits from scalable platforms & services

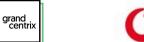


Centre of competency Vodafone



Agriculture





/odafone

Specialisation

Key E2E

solutions

Automotive and insurance

Fleet management

Stolen vehicle recovery

My Farm Web Connected farmer Smart buildings and infrastructure

Energy management Office management Cell site management Industry

Smart factory Container tracking Healthcare

Remote patient monitoring Cold-chain monitoring

>100 end-to-end solutions launched to date



C: Significant benefits from scalable platforms & services

Smart building case study

We created a safe return-to-office solution including thermal cameras and a connected desk booking solution to ensure social distancing as part of our wider building management solution

- IoT.nxt, our subsidiary, launched our return-to-office solution, which is now live in 3 markets with 5 more to go live by the end of 2021
- This solution has strong economics, with an >40% contribution margin and a project payback period of under a year

Customers

vodafone () ZIGGO





Thermal screening solution

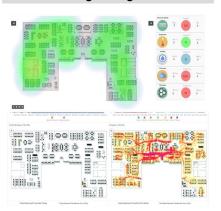


Seamless integration between hardware and software



Vodafone smart building solution platform

Building management



Employee social distancing app





D: Our economic model is highly attractive

Share of IoT capital additions

Indicative capital allocation excluding shared network infrastructure









Platform Capacity & Maintenance 24%

Platform Evolution 38%



Customer-led Investments 15%

End to End **Solutions** 17%

Shared network infrastructure

Drivers



Continued platform evolution, including improvements in platform flexibility, partner integration, management portal and enhanced analytics



Platform capacity and maintenance improvements



Development and integration of E2E solutions



Demand-led investments required to service customers



IoT specific network improvements



Other

2%

D: Our economic model is highly attractive

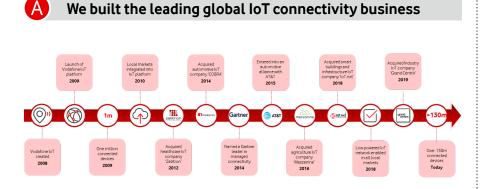
Q1 L12m	Connectivity	Hardware	E2E solutions
Total revenue	Majority of revenues, growing 10% YoY	Small, growing 11% YoY	Small, growing >30% YoY
	Own self-developed platform	Leverages global procurement scale	Own self-developed platform
System of advantage	Own Pan-European & African scale, combined with international partner scale	Drives further connectivity demand	Own pan-European and African scale and leading partner integration
Contribution margin	80-90%	25-35%	45-55%
Investment model	Leverage existing mobile network	Customer-demand led	Own investment and partner model
Capital Intensity	Medium	Limited	Investment phase
Indicative ROCE	High	Strong incremental returns due to reseller model	Investment phase

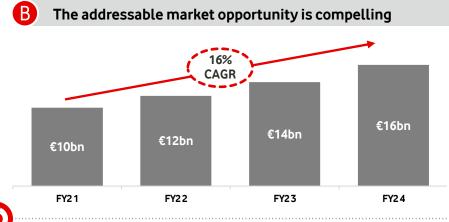
Total IoT: €0.9bn revenue business with double-digit growth, 75-85% contribution margin and high ROCE



1 : Deep & trusted customer relationships

Summary: The global IoT connectivity leader





Identify leading self-built or partner solution	Legal & Regulatory	Sourcing	Creating a scaled, so System integration	Marketing materials	Pricing & sales enablement	Support	Easily deploy to own and partner markets
			Solution indu	strialisation			

	Connectivity	Connectivity Hardware	
Total revenue	Majority of revenues, growing 10% YoY	Small, growing 11% YoY	Small, growing >30% YoY
Contribution margin	80-90%	25-35%	45-55%
Indicative ROCE	High	Strong incremental returns due to reseller model	Investment phase

Significant benefits from scalable platforms & services

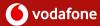
Our economic model is highly attractive



1 : Deep & trusted customer relationships

Appendices

T	More information	p73
Ш	Definitions	p74
Ш	Importance notice	p76



Appendix I: More information



Vodafone Business: Investor briefing *investors.vodafone.com/vbbriefing*



- 4-part video presentation
- 8 video case studies
- Analyst Q&A video replay



Technology: Investor briefing *investors.vodafone.com/vtbriefing*



- 4-part video presentation
- 5 video case studies
- Analyst Q&A video replay



Vantage Towers: Capital Markets Day <u>investors.vodafone.com/reports-information/investor-events/VTCMD</u>



- 7-part video presentation
- 5 video case studies
- Analyst Q&A video replay



Appendix II: Definitions

Term	Definition
2G/3G/4G/5G	Cellular technologies that enable voice and data services. 2G stands for 2nd generation etc.
Al	Artificial intelligence
AI/ML	Artificial intelligence/machine learning
AML	Anti-money laundering
API	Application programming interface, a software intermediary that allows two applications to talk to each other
AR/VR	Augmented reality/virtual reality
ARPA	Average revenue per account
ARPU	Average revenue per unit
AWS	Amazon Web Services
B2B	Business-to-business
B2C	Business-to-consumer
ВВ	Broadband
C.IoT	Consumer Internet of Things, see IoT
C2B	Charge to bill

Term	Definition
CAGR	Compound annual growth rate
Connections	The number of devices or products that we connect
CPaaS	Communications Platform as a Service
CRM	Customer relationship management systems
DSL	Digital subscriber line
DXL	Digital experience layer: an intermediary software layer that decouples customer facing systems from legacy systems improving time to market
E2E	End-to-end
EM	Emerging markets
Exabyte/ Petabyte	A petabyte is equal to 1,000,000 gigabytes. A exabyte is 1,000 petabytes
FBB	Fixed broadband
FCF	Free cash flow
Gbps/Mbps	Gigabits (billions)/megabits (millions) of bits per second
HHs	Households
IoT	Internet of Things, network of physical objects embedded with electronics, software, sensors & network connectivity, including built-in mobile SIM cards, that enables collection of data & exchange communications with one another or a database



Appendix II: Definitions

Term	Definition
IRR	Internal rate of return
LTM	Last twelve months
MarTech	Marketing Technology, a range of software and tools that assist in achieving marketing goals or objective
Massive MIMO	Multiple-in multiple-out antennas, 'massive' as they can have a large number of antennas per array
MEC	Multi-access edge computing: embedding compute servers closer to the edge of the network in order to reduce latency
MNO	Mobile network operator
MPN	Mobile Private Networks
NFV	Network function virtualisation
NGN	Next generation network, broadband access technology that enables access at speeds of 100Mbit/s or more
NOC	Networks operation centre
NPS	Net promoter score, a measure of customer sentiment
ОТТ	Over-the-top, media service offered directly to viewers via the Internet
P2P	Person-to-person

Term	Definition
RAN	Radio access network
ROCE	Return on capital employed
SaaS	Software as a service
SDN	Software defined networks
SD-WAN	Software defined wide area networks
Self-built	Fixed networks that are fully owned by Vodafone
SME	Small and medium-sized enterprises
SOC	Security operations centre
STBs	Set-top box, device that enables a TV set to receive and decode digital television broadcasts
UC	Unified communications & collaborations products and software
UI	User interface
VOLTE	Voice over LTE (data)
VTV	Vodafone television



Appendix III: Important notice

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