

Your presenters

Simon McNamara, Chief Administrative Officer



- Appointed Chief Administrative Officer in September 2013
- Prior to joining RBS, was Chief Information Officer (CIO) of Standard Chartered Bank Consumer Bank (Singapore), responsible for developing and implementing the Group Technology and Operations strategy
- Has held a number of senior Information Technology and Operations positions in the global financial services industry
- A founding partner in a successful software start-up company in Silicon Valley

Christine McPherson, Finance Director, Services & Functions



- Finance Director for Services & Functions and the Finance lead for the bank wide cost reduction programme
- Worked in the bank for 19 years and has gained broad experience predominantly in finance roles including Senior Finance Business Partner, Distribution and Head of Business Partnering in Personal Banking
- · Has also spent time in the business as Head of Frontline Support, Specialist Banking

Kevin Hanley, Director of Innovation



- · The Bank's Director of Innovation, responsible for the innovation agenda
- Joined RBS in 2009, responsibilities include global solutions network; corporate office in Silicon Valley and our innovation hubs
- Previously Head of Services within ABN AMRO with responsibility for all Technology, Operations, Property and Procurement Services across the Group
- Was a partner in Accenture's Global Capital Markets practice based in London, leading the UK Capital Markets business

Agenda

Transformation and Innovation overview – Simon McNamara

Financial highlights – Christine McPherson

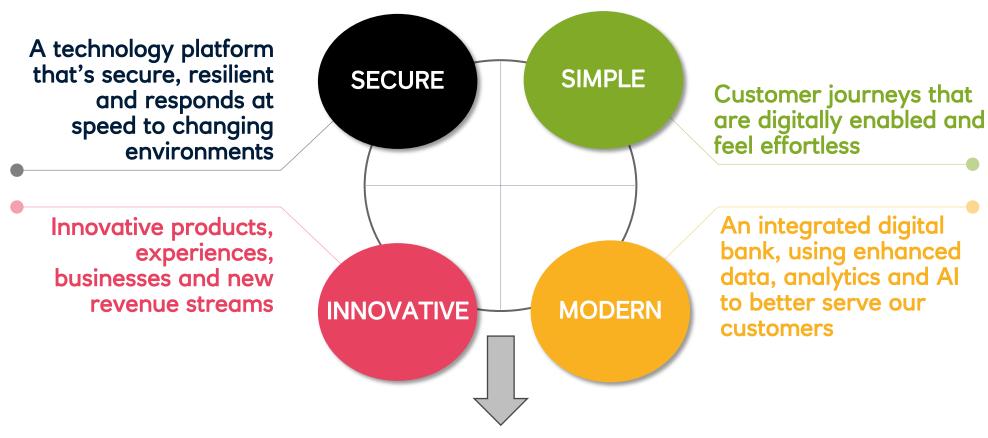
Our Innovation agenda – Kevin Hanley

Key messages and Q&A – Simon McNamara

Transformation and Innovation overview

Simon McNamara Chief Administrative Officer

We are transforming the bank to better serve our 19m customers



Driving our cost:income ratio down whilst enhancing customer experience

We continue to invest over £1bn a year in the business while substantially reducing expenses...



We have invested c.£7bn over the past 5 years transforming the bank

^{1.} Aligns to IMS 'Other Expenses', this does not include litigation & conduct costs and strategic costs.

^{2. 2014} expenses are ex Citizens Bank.

^{3. 2019} other expenses guidance – 2018 other expenses minus £300m committed cost savings.

^{4.} Covers: Mandatory and discretionary spend on core systems; non-ring fenced bank change; innovation spend; and technology transformation programme spend, which is booked to strategic costs.

Delivering a resilient, simplified, well controlled platform, improved employee engagement, lower run costs, higher levels of change

	2014	2018	Progress	2020+	
Technology critical 1 incidents 1	312	13	↓ 9 6%	Radically reduce low criticality incidents	
Major technology issues	19	3	↓84%	Continued reduction	
Volume of changes	60k	71 k	↑18%	Continue growth	
Number of applications	5.0k	2.3k	↓54%	1.6k	
Control environment rating	3 Needs some improvement	2 Satisfactory with exceptions	✓	2 Satisfactory with Exceptions	
Employee engagement	60	86	↑43%	Maintain current levels	
Technology run spend (P&L) - £bn²	>1.1	0.9	↓ >20 %	Continued reduction	

^{1.} Figures represent critical 1 incidents relating to technology only.

SECURE

^{2.} Ongoing operational costs of Technology function to deliver BAU. Does not include change/investment spend.

With a relentless focus on keeping our customers and the bank safe and secure



Loss of value to external fraud ¹

- 2018 industry up by 16%
- 2018 RBS **down** by 12%





DDoS attacks, customer impact

 2018 no customer impact despite significant increase in attacks since 2014

Security seminars held

- 2014 = 214 > 7k attendees
- 2018 = 430 > 16k attendees





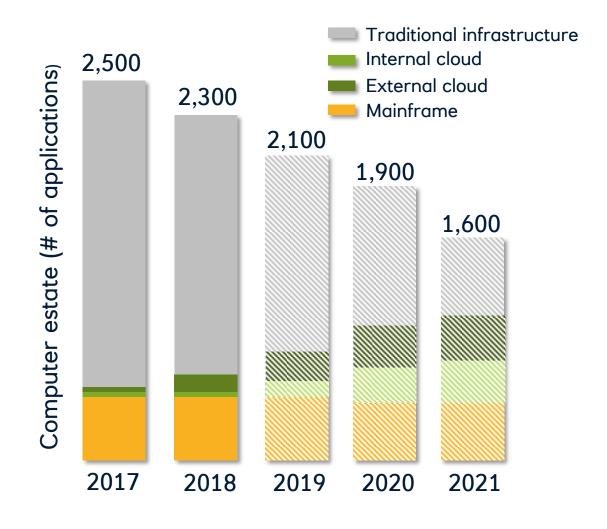
Staff data loss prevention coverage

- 2014 = 0% coverage
- 2018 = 99.7% coverage

^{1.} Source: UK Finance submission and press release March 2019. Figures represent unauthorised fraud.

And an intelligent use of Cloud to bring simplification and cost savings

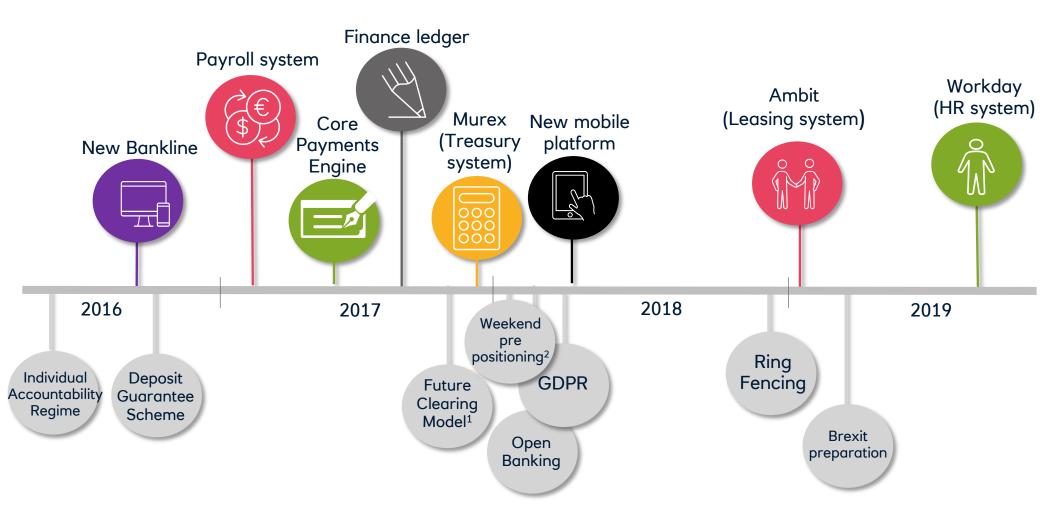




A simplified, flexible technology platform - quick to deploy and simple to maintain

Enabling us to deliver a simplified technology estate and meet demanding regulatory requirements





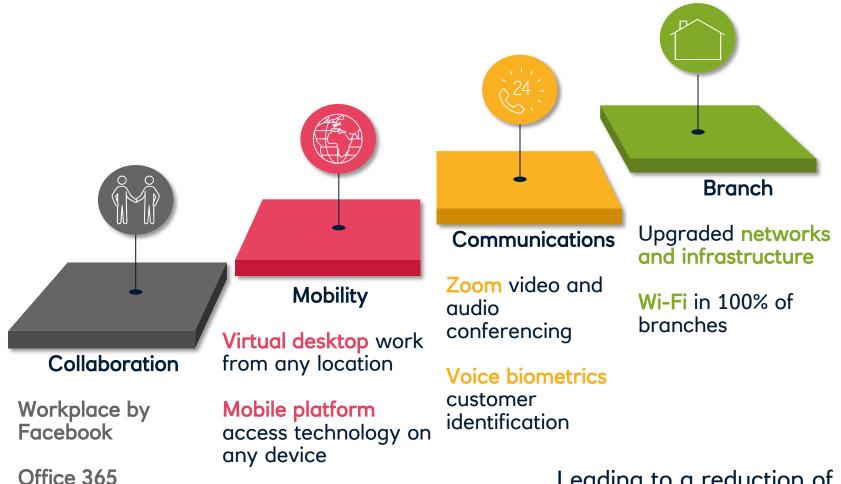
^{1.} Future Clearing Model: mandatory, industry-wide programme improving efficiency and speed of cheque processing from six to two weekdays.

^{2.} Weekend pre-positioning: scheduled payments due Monday (or the day post bank holiday) are reflected in account balances on the Saturday.





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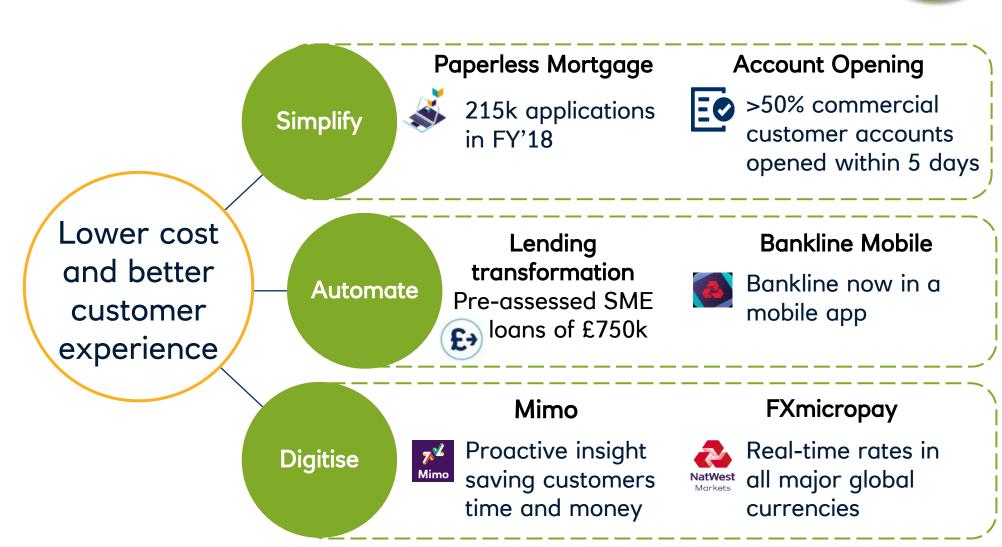


Leading to a reduction of 21% on property costs and 13% on T&E costs¹

1. Cost reduction based on FY2018 vs FY2016.

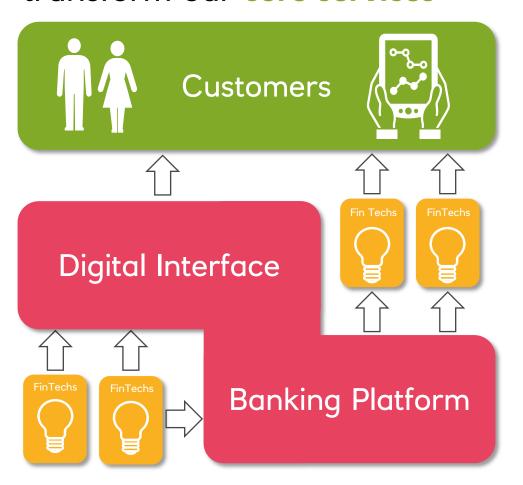
Customer journeys digitally enhanced and made to feel effortless





The transformation of our core platform enables us to transform our core services





No need to re-platform

A **modular approach** to the provision of services and capability

Delivering for our customers on our own and with partners

A **customer base of 19m**, that sets us apart from FinTechs and new entrants

A **powerful data strategy** that capitalises on open banking

Industry leading APIs

Core Banking Applications





Open Banking opens up a new world

RBS, Ulster & NatWest are 3 of the top 5 ranked banks for API quality

We have 289 operational external APIs...

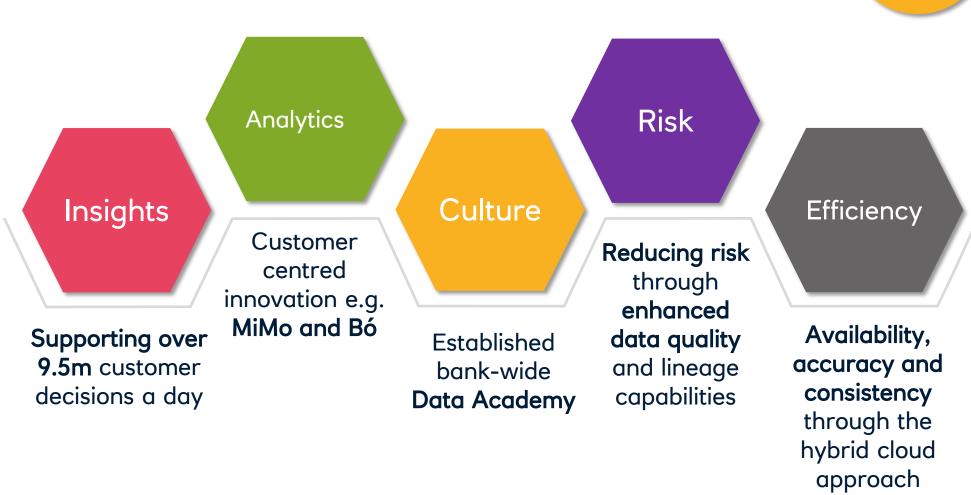
...5 customer propositions in use, 12 in the pipeline

We're a **partner of choice** for FinTech and BigTech











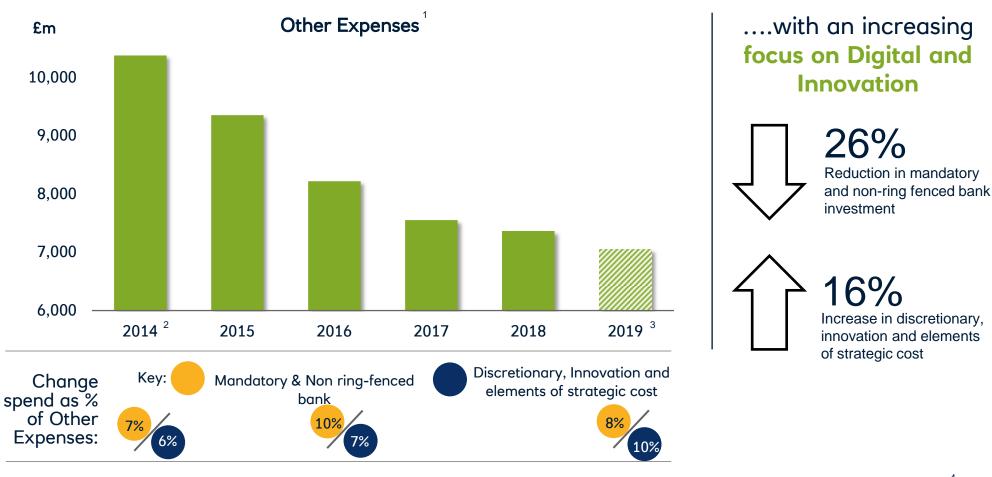
Financial highlights

Christine McPherson Finance Director, Services & Functions

Key Messages

- 1 ~30% bankwide reduction in Other Expenses since 2014
 - Built digital-first journeys designed around the customer which also support cost reduction and improvements in control
 - Since 2016, our investments have supported ~20% reduction in Property & Technology costs
 - 4 We take a prudent approach to the capitalisation of investment spend

We continue to invest over £1bn a year in the business while substantially reducing expenses...



We have invested c.£7bn over the past 5 years transforming the bank

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^{4.} Covers: Mandatory and discretionary spend on core systems; non-ring fenced bank change; innovation spend; and technology transformation programme spend, which is booked to strategic costs.

Our Investment has enabled us to serve our customers better and reduce costs

We have driven tangible cost reduction in our franchises through our investments in:

- Digital:
- Process simplification: and
- · Front line capability

our infrastructure costs:

branch footprint

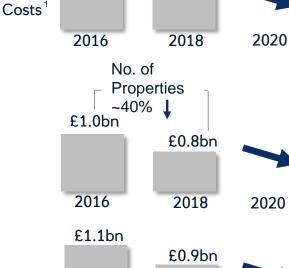
Personal Banking

Commercial Banking

Property costs

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No. of FTE 1 ~20%

No. of FTE

↓ ~20%

£0.5bn

2018

£0.6bn

2018

2020

£0.6bn

2016

£0.7bn

2016

Staff

Costs¹

Staff



Simplify technology architecture

 reducing applications, physical infrastructure and devices

Digital office reduces need for physical devices and office space

Our investment strategy is reducing

Shift to Digital has reduced

1. To present a like-for-like view, these figures exclude operations costs transferred into the franchises in 2017

2020

We take a conservative approach to capitalising investment spend

				1	
		Goodwill	Other(1)	Total	
	Cost	£m	£m	£m	
	At 1 January 2018	18,039	2,259	20,298	_
	Currency translation and other adjustments	77	9	86	
	Acquisition of subsidiaries	48	2	50	
	Additions		364	364	(1) ;
	Disposals and write-off of fully amortised assets		(610)	(610)	
	At 31 December 2018	18,164	2,024	20,188	_
	Accumulated amortisation and impairment				
	At 1 January 2018	12,481	1,274	13,755	
	Currency translation and other adjustments	77	5	82	
	Disposals and write-off of fully amortised assets		(573)	(573)	
ſ	Charge for the year		271	271	(1);
٢	Write down of goodwill and other intangible assets		37	37	$\overline{(2)}$
_	At 31 December 2018	12,558	1,014	13,572	=
	Net book value at 31 December 2018	5,606	1,010	6,616	(1)¦
	Net book value at 31 December 2017		985		- !

(1)

 Net Additions/Charge for the year: £93m

• Net book value 31/12/18 vs. 31/12/17: £25m

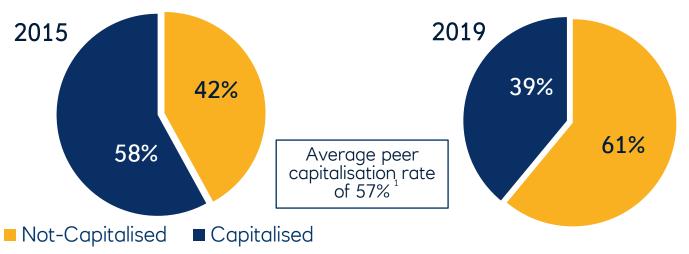
Our conservative capitalisation approach means that we're not creating a financial headwind for the future



 Write down of intangible assets during 2018: £37m (during 2017: £29m) Our prudent capitalisation approach results in a low level of write-offs

Capitalisation of IT investment spend:

Note: (1) Principally internally generated software



Our Innovation agenda

Kevin Hanley
Director of Innovation

We have a strong set of innovation assets



Innovation Forum

Innovation Fund

Tech Advisory Board

Technology & Innovation Committee



Research

Scouting

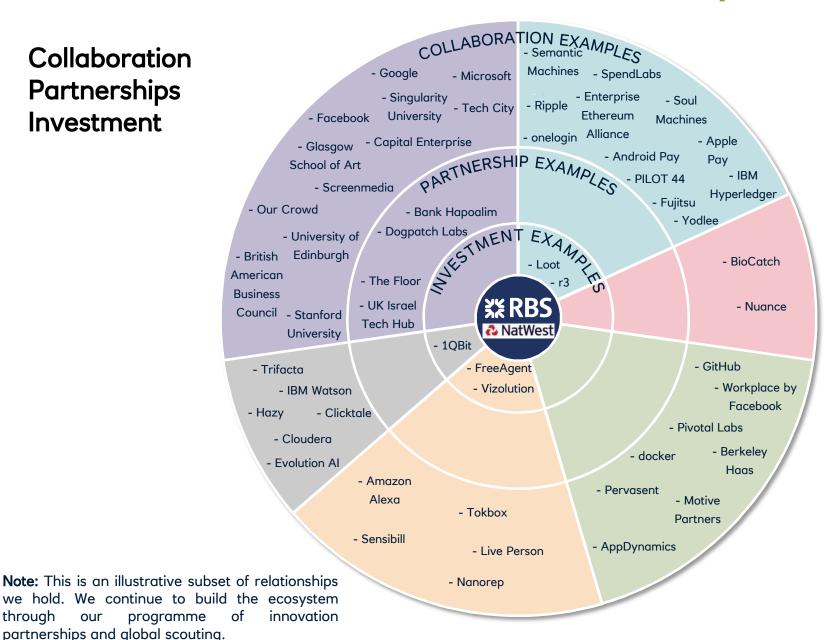
Open Experience

Engineering

And have established a rich Innovation Ecosystem

Collaboration **Partnerships** Investment

through





Customer **Experience**

Improving the way we serve our customers

Enterprise

Options to deliver new ways of working

Safe & Secure

Protecting our customers and staff

Payments/Funding

Finding ways of extending payment, lending and money holding options

Driving Innovation

Relationships that support our ideation

Data & Analytics

Creating ways to interrogate data and add value for our customers

Our innovation is driving real customer impact





We measure
innovation
capability and the
number of early
stage opportunities
identified

Ideation



We measure how
many opportunities
are developed to the
point of benefit
delivery and the pace
of execution

Execution



Impact

And we are delivering innovative solutions for customers now





A digital SME banking proposition



Capturing Payments and encouraging trade



24x7 personal assistant



Invoice & payments automation on one platform

Currency**Pay**™

A simple, secure and streamlined internal payment platform



An innovative new companion bank account

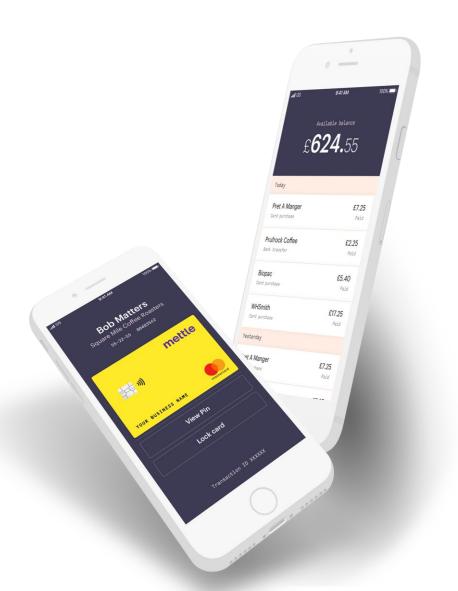
Path.

Business advisor.
tips, articles &
tailored tools

esme

Fully automated lending platform

Mettle: The business account that helps you get ahead today and plan for tomorrow



mettle

- ✓ Free small business account
- ✓ Application in minutes
- ✓ Create, send, track and chase invoices when they are due
- ✓ Expenses made simple
- ✓ Capture receipts and categorise transactions for bookkeeping
- ✓ Track bills and schedule payments
- ✓ Live chat support
- ✓ Backed by NatWest





Take card payments and use the NatWest Tyl portal to see sales trends and get insights into how your business is doing.



Anywhere and anyhow

Accept payment in person, online and by phone



Get your money fast

Next working day settlements



All in one place

Tools and integrations for your business

- ✓ Simple sign up
- Straightforward contracts
- ✓ No hidden fees
- ✓ Simple pricing

The Tyl portal to manage

✓ your data









Invoice & payments automation on one platform



Taking Control

Based on a well-researched, tested and customer co-created proposition, with tangible functional and emotional benefits



WHAT

A new digital only bank account that helps people do money better

WHY

40 percent of working-age adults in the UK — that's just under 17 million people — have less than £100 in savings

HOW

- Full-stack
- End-to-end team
- Cloud native
- Part of NatWest Bank plc
- Agile sprints across whole business
- Full banking licence
- Low cost; built for scale
- Orchestrated via API

And we are delivering innovative solutions for customers now







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Business advisor, tips, articles & tailored tools

esme

Fully automated lending platform

Key messages and Q&A

Simon McNamara Chief Administrative Officer

Conclusion

Myth	Reality
"You will need to replace your core platform in the future"	A wholesale replacement of our core banking platform is not needed. We will continue to simplify and reduce our core platform by replacing standalone components
"You have a huge legacy environment which holds you back"	After 5 years of significant investment our platform is a competitive advantage, as is our 19 million customer base
"You are behind peers in your agility/ability to make changes rapidly"	We have a track record of delivering innovative solutions and a number of UK firsts including paperless mortgages, bio-metric debit cards, credit cards and payments
	We delivered 27 major mobile live deployments and 87 production changes in 2018 alone
	We're the partner of choice for BigTech + FinTechs given our optimal interfaces and extensive customer base

Key Messages

- Our technology investment has delivered a highly resilient and agile platform, safe, secure and fit for the future
 - We are using data, APIs and innovation to better meet the needs of our extensive customer base and drive revenue
 - We are spending less on mandatory investment and are taking innovation seriously with some exciting opportunities
 - 4 Our strategy is driving costs down whilst enhancing customer experience
- Our platform, people, customers, partnerships, data and drive make us one of the leading digital banks in the UK

Q&A

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The targets, expectations and trends discussed in this presentation represent RBSG management's current expectations and are subject to change, including as a result of the factors described in the "Risk Factors" section on pages 253 to 263 of the RBSG 2018 Annual Report and Accounts.

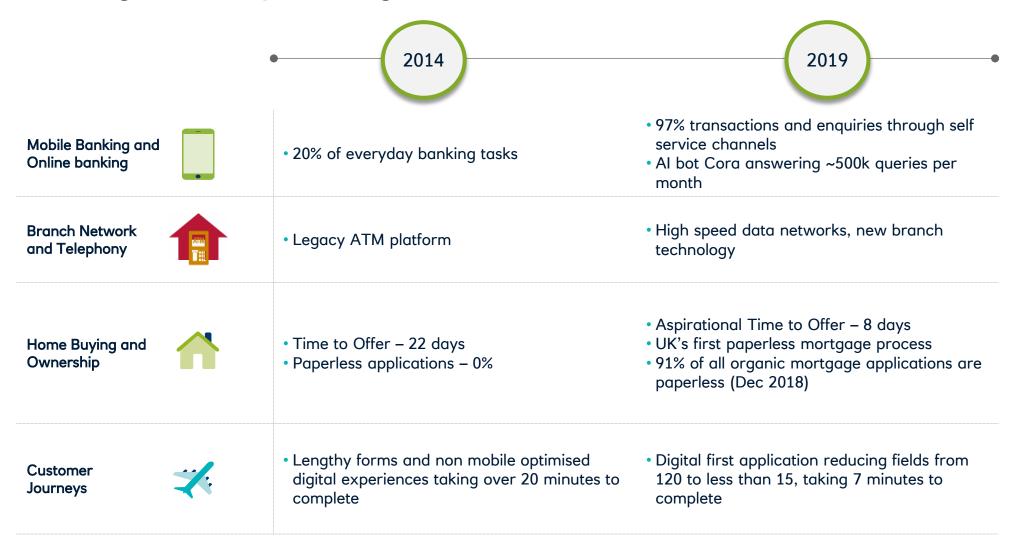
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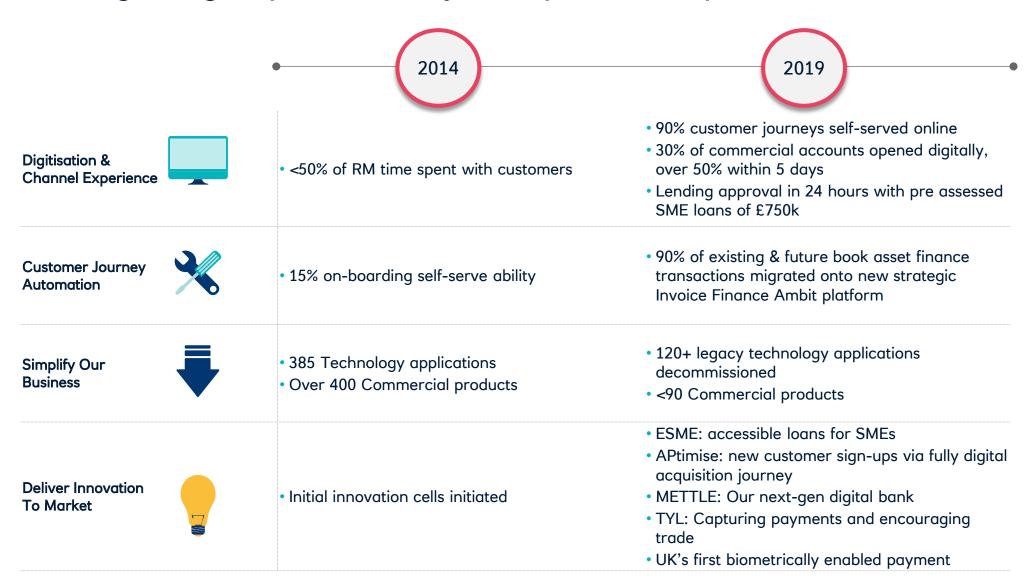
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Appendix Slides

In **UK Personal Banking** we have built a strong digital offering whilst optimising our branch network



Commercial & Private Banking is focused on transforming and digitising key customer journeys and simplification



We continue to transform the NatWest Markets business through increasing automation

2014 2019 Digital products enhancements; FXmicropay made accessible to customers on SAP No distinct service model for high volume Commerce Cloud flow activity vs. high value solutions activity Strong electronic offering across Fixed Income and Focused on for customers Currencies (i.e. #11 on Tradeweb & Bloomberg in GBP Customers Electronic offering primarily centred around Swaps) the Currencies Leading with content to help customers navigate through market reform (i.e. RFR² replacement) • Highly automated trading (i.e. 98%¹ quote rate across all products and 31 seconds time-to-quote on GBP Inconsistent use of market data Swaps) Numerous exception processes & manual Consolidated and consistent data source **Driving automation** reconciliations and efficiency Simplified systems, standardised Front to Back Products on multiple systems processes and decommission of legacy systems Duplication common Progress on tech strategy though migration of services & applications onto Cloud High cost of regulatory compliance due to Delivered regulatory compliance across key complexities in processes and technology Regulatory and programmes (i.e. MIFID II, EMIR, UK ring-fencing) Control environment outside of risk appetite Controls · Control environment within appetite, embedded Mobilised plans to strengthen controls front preventative and automated controls to back

^{1.} Period considered 1st Jan'19 to 20th May'19 for GBP Swaps, source Bloomberg and Tradeweb.

^{2.} RFR - Risk Free Rate