



FIBAC 2026

Winning in the AI Era

The New Playbook for Indian Banks

August 2026



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Executive Summary I/III

Global banking has entered an era of new opportunities, unleashing massive potential for human prosperity. At the same time, there are resurgent as well as new risks, that have to be mitigated to unlock this prosperity.

While the future is difficult to predict, its drivers are known – **AI, geopolitics, climate and regulation of Big Tech**. This report draws on their interplay and resultant outcomes by 2050, thereby **simulating four archetypal scenarios**, each of which is dominated by one of the four factors. The future is likely to be a combination of these scenarios and **India's share in global GDP is expected to rise across all of them**.

The global banking sector, was languishing in the aftermath of COVID with only over half the banks trading above their book value. This has turned around with 81% of global banks trading above their book value today. India's rebound is among the brightest points across the global banking space. Add to this, a steady, sustainable growth, low NPA levels and solid capitalization buoys the sector's fundamentals.

India's banking-assets-to-GDP ratio remains below that of most major economies. The banks' advances have grown in line with the nominal GDP over the past decade. However, realizing 'Viksit Bharat' vision will require banking assets to grow materially faster by 3.5-4 p.p. over nominal GDP. Banks have started taking strides in that direction. **Last year, the growth of banking assets outpaced nominal GDP by 3.5 p.p.** Sustaining this momentum will be critical to building a USD 30 trillion economy supported by approximately USD 45 trillion in banking assets by 2047.

The sector is also bolstering through consolidation, foreign capital flows, greater flexibility and accountability towards a 'principles-based' regulatory landscape.

Digitization of the previous decade yielded benefits in terms of higher financial inclusion, better risk management and customer ease, but it has not yet met expectations on productivity gain. **Cost-to-income ratios remain elevated**, banks continue to expand branch networks (contrary to global trends), and technology spending has risen rapidly (despite remaining below global benchmarks).

The rise of AI and GenAI has the potential to break these sticky cost structures if banks embrace technology at scale. **AI can deliver significant productivity gains**. Beyond digitization of structured processes and data processing, AI agents can now automate complex, unstructured tasks. All human roles too can potentially deliver at top-quartile ranges, if enabled and augmented with AI/GenAI tools.

Customer experience will also undergo a fundamental transformation. Digital interfaces can become app-less, conversational, and enhanced with augmented reality.

To harness AI at scale, banks will need to reimagine their operating models around **three strategic imperatives**:

- a) **Democratize credit affordability**
- b) **Unlock productivity**
- c) **Building risk muscle beyond credit**

Executive Summary II/III

01 Democratize Credit Affordability

Access to credit has expanded significantly, with the bureau footprint doubling over the last five years. **While access has improved, affordability remains a challenge.** The cost of serving credit, is substantially higher than the cost of credit risk (and NCLs) itself. Servicing loans continues to be operationally expensive, particularly for small-ticket retail products that often serve as the entry point into formal credit. **Operation and collection costs together account for 40-50% share of the total cost to serve.**

Unfortunately, despite a decade of digitization, many secured loan processes continue to demand a large number of physical documents, manual checks, and have repeated back-and-forth interactions. **Agentic credit journeys can automate large parts of this process, materially reducing processing costs.**

Collections remain highly manual, intermediary-driven, and expensive. **AI-enabled journeys have the potential to transform collections** into a digital, direct-to-customer, intermediary-free, and personalized process; significantly reducing collection costs.

Supported by the right agentic workforce, these journeys can also become more individualized, authenticated and ensure end-to-end fulfilment.

02 Unlock Productivity

The last decade has seen limited productivity gains, with growth driven largely by capacity expansion. The past two to three years, however, appear to mark an inflection point, with tangible productivity improvements emerging.

Functions across the bank can reshape their operating models to **drive leaner organizational structures** through autonomous AI agents or **enable top-quartile performance** through enhanced capabilities. AI impacts functions in varied ways. Three examples illustrate this:

- Technology: AI can create a shift from a pyramid to a diamond organization, with stronger oversight towards AI agent-led artifacts (e.g. BRDs, code).
- HR: AI can reduce productivity losses arising from attrition/transfers by using AI copilots and tools that preserve unstructured knowledge.
- Advisory: AI can deliver more personalized, individualized customer engagement, helping RMs achieve significantly higher productivity

The opportunity is immense. While banks have begun this journey through multiple pilots, significant work remains to be done. **AI must become a strategic priority for leadership.** Banks will need to upskill talent, strengthen data and infrastructure readiness of backend operations, and strengthen governance frameworks to handle AI risks.

Executive Summary III/III

03 Building Risk Muscle Beyond Credit

Over the past decade, **banks have strengthened their financial risk management capabilities** as reflected in low NPA rates, contained interest rate risk and market risk. However, the re-emergence of geopolitical risk, escalating AI and cyber risks, rapidly evolving regulations and escalating stakeholder expectations requires significant strengthening of non-financial risk capability.

Adoption of AI and greater digitization will introduce new challenges, **requiring stronger fraud detection capabilities and real-time monitoring**. Critical operations will depend on interconnected processes, technology, data, people, third parties, controls, and facilities. Building operational resilience requires end-to-end visibility, robust impact assessments, and the ability to recover quickly while maintaining business continuity.

AI is also reshaping cyber risk. Attacks are becoming faster and less expensive, regulators are demanding greater board accountability, and high digital interdependence is expanding the attack surface area. Banks must evolve towards machine-speed defense. Rising geopolitical and climate risks will also have a greater impact on banks. Managing these risks requires a **detailed understanding of the underlying drivers at sub-portfolio level**, modeling tail-risk events, and simulating potential future impact.

Conclusion

The success of India's banking sector will depend on translating today's position of strength into two decades of sustained expansion, with banking assets growing 3.5–4 percentage points faster than nominal GDP. This transformation will be shaped by progress across three strategic imperatives:

- a) Democratize credit affordability
- b) Unlock productivity
- c) Building risk muscle beyond credit

Simultaneously, **banks must lower the structural cost of lending, redesign operating models around AI** rather than automate existing workflows and strengthen resilience beyond traditional credit risk. Achieving this will require coordinated action by banks, regulators and the government. The next two decades will bring both unprecedented opportunities and new risks. Every technological revolution has created a productivity super-cycle, and AI has the potential to be the largest yet. Indian banking has stepped into this transition with strong balance sheets, world-leading digital public infrastructure and growing AI momentum. With the right strategy, execution and collaboration, the banking sector can become a defining force in India's journey towards a truly Viksit Bharat.



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Four forces shifting the tectonic plates of the global economic order



Geopolitical De-Coupling

2026 GPRH index is the highest in the post world war era¹

Post-2010s, the re-emergence of multipolarity is strengthening. Access to global financial systems, capital flows, supply chains and technology is aligning to different blocs.



Artificial Intelligence

AI could add up to 0.8 p.p. to annual global GDP growth

AI is the most powerful general-purpose technology in a century. Balance between sovereign and globally coordinated AI will determine whether gains are shared or concentrated.



Cyber Risk

Ransomware attacks can be executed 17 times faster

Cyber is replacing conventional warfare for nations, and physical damage for society, as the primary theatre of conflict. Conflict now plays out in the digital domain first.



Polycrisis

2026 was the 3rd warmest in 177-year global record²

Climate shocks, regulatory shifts, technology changes, etc. now aggravate each other. Building adaptability and endurance will determine economic stability and prosperity.

1. Based on Geopolitical Risk Historical Index annual average, January to June 2026 versus full year averages of 1946 to 2025 2. Comparison of January to June period from NOAA

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Source: Geopolitical Risk Index (GPRH); IMF MD at India AI Summit (2026); IBM, X-Force Threat Intelligence Index 2026 ; NOAA



Four beacon scenarios to determine how the world will evolve in 2050

We call these the 'four beacon scenarios' for 2050. In reality, the future would likely be a blend of two or more of these scenarios. The decisions leaders make now will decide the outcome, for India and the world. These are conditional forecasts under a 'what if' assumption of how each of these scenarios play out.



AI Abundance

The explosive rise of AI technologies eventually leads to global cooperation on strict regulatory standards – enabling exceptional productivity growth, plentiful low carbon energy, and governments that prioritize stability over individual liberty.



Battling Blocs

The world transitions to a tense stalemate among economically decoupled and mutually distrustful blocs. International trade and cooperation decrease, while defense spending rises dramatically as national governments centralize power and control of critical resources.



Climate Coalition

An onslaught of extreme weather shocks drives nations to prize resilience over unbridled economic growth – and a multilateral agreement on carbon standards unlocks green innovation and infrastructure buildout.



Digital Darwinism

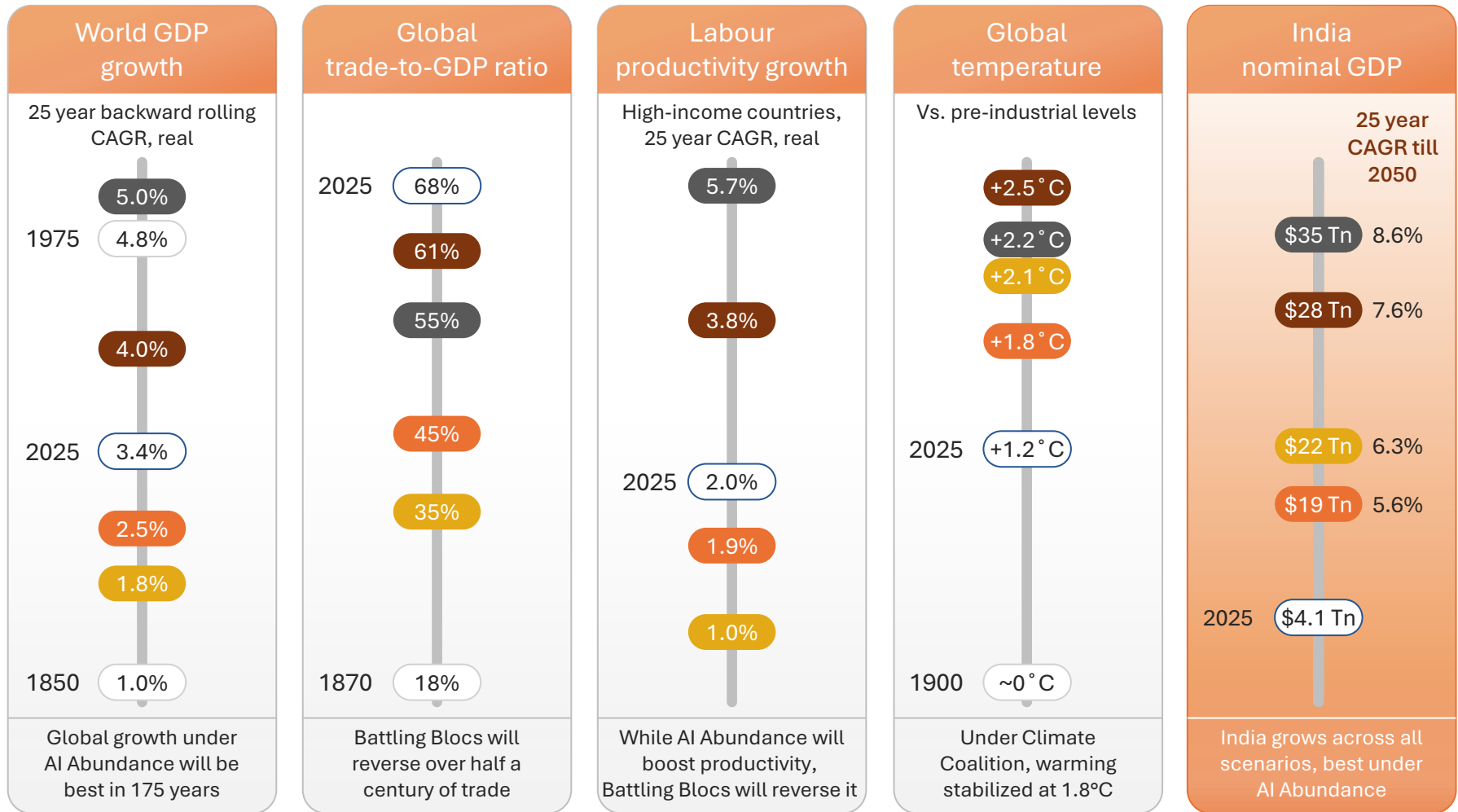
With governments and institutions in retreat, corporations dominate a low-regulation, rapidly warming world. Inequality soars, with work increasingly taking place in the gig economy, while huge leaps are made for the wealthy in bionics and longevity technology.

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Source: BCG Institute, Beyond Tomorrow: Four Scenarios for the World of 2050, 2026



World growth can have a 50% swing in the different scenarios

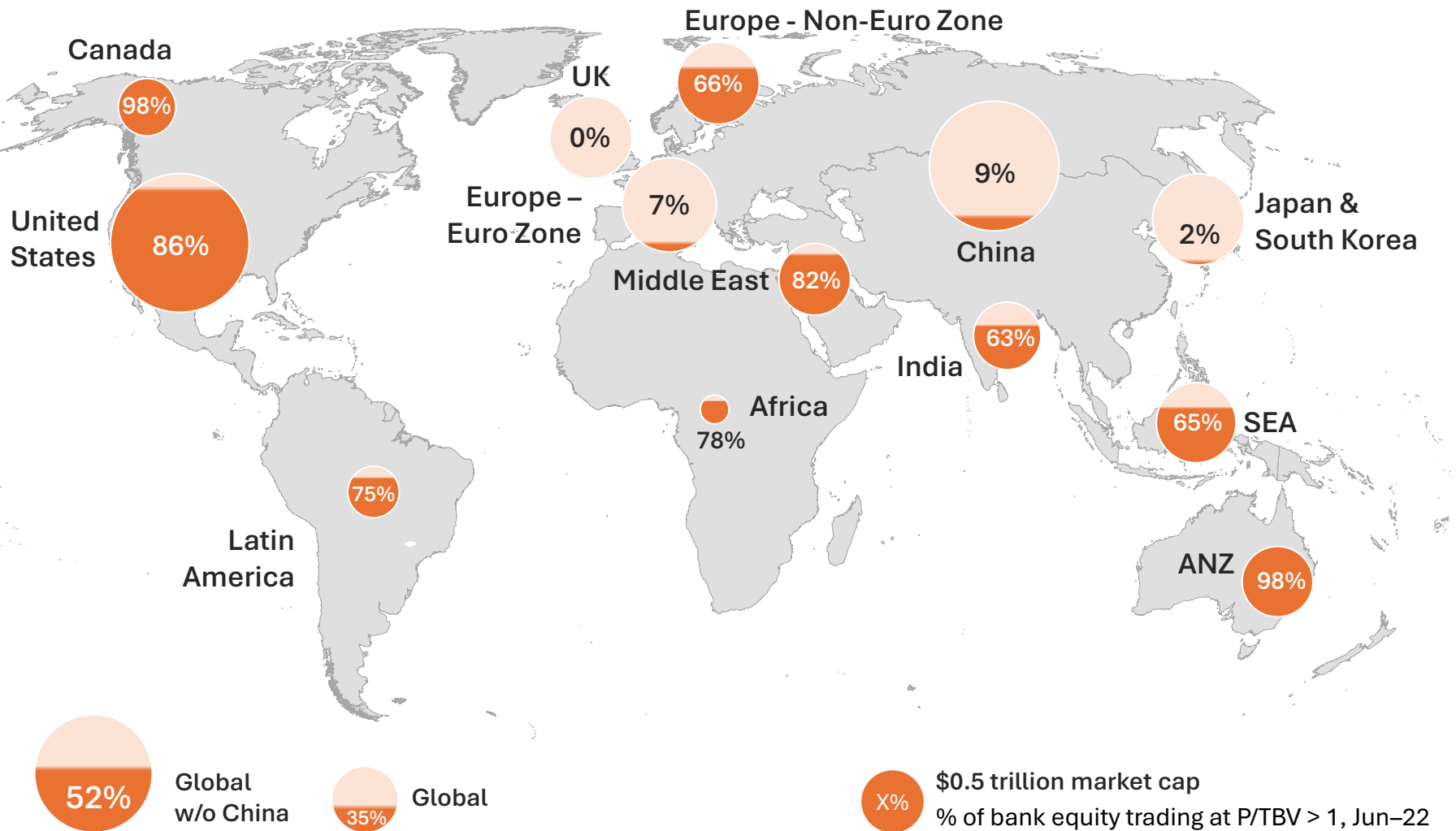


○ Current level (2025) | Scenario endpoints (2050): ● AI Abundance ● Battling Blocs ● Climate Coalition ● Digital Darwinism

Source: BCG Institute, Beyond Tomorrow: Four Scenarios for the World of 2050, 2026; World Bank; NOAA; Penn World Table



3 years ago, banking sector across the world was struggling with majority banks trading at less than book value

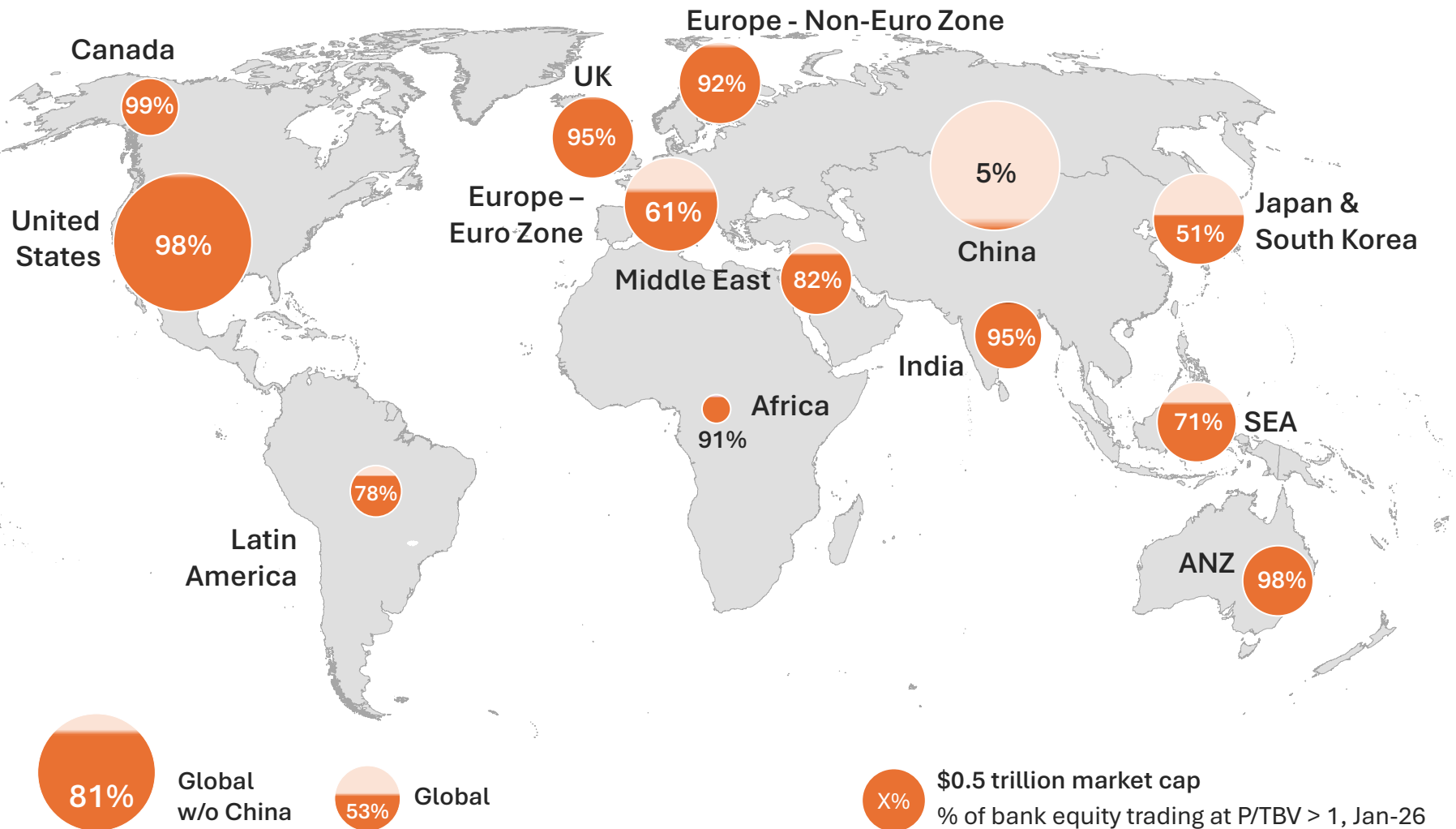


Note: All publicly listed banks considered for analysis

Source: S&P Capital IQ; Future of Finance 2026; BCG analysis



Despite increased macro volatility and uncertainty, banking sectors around the world are now trading above book value



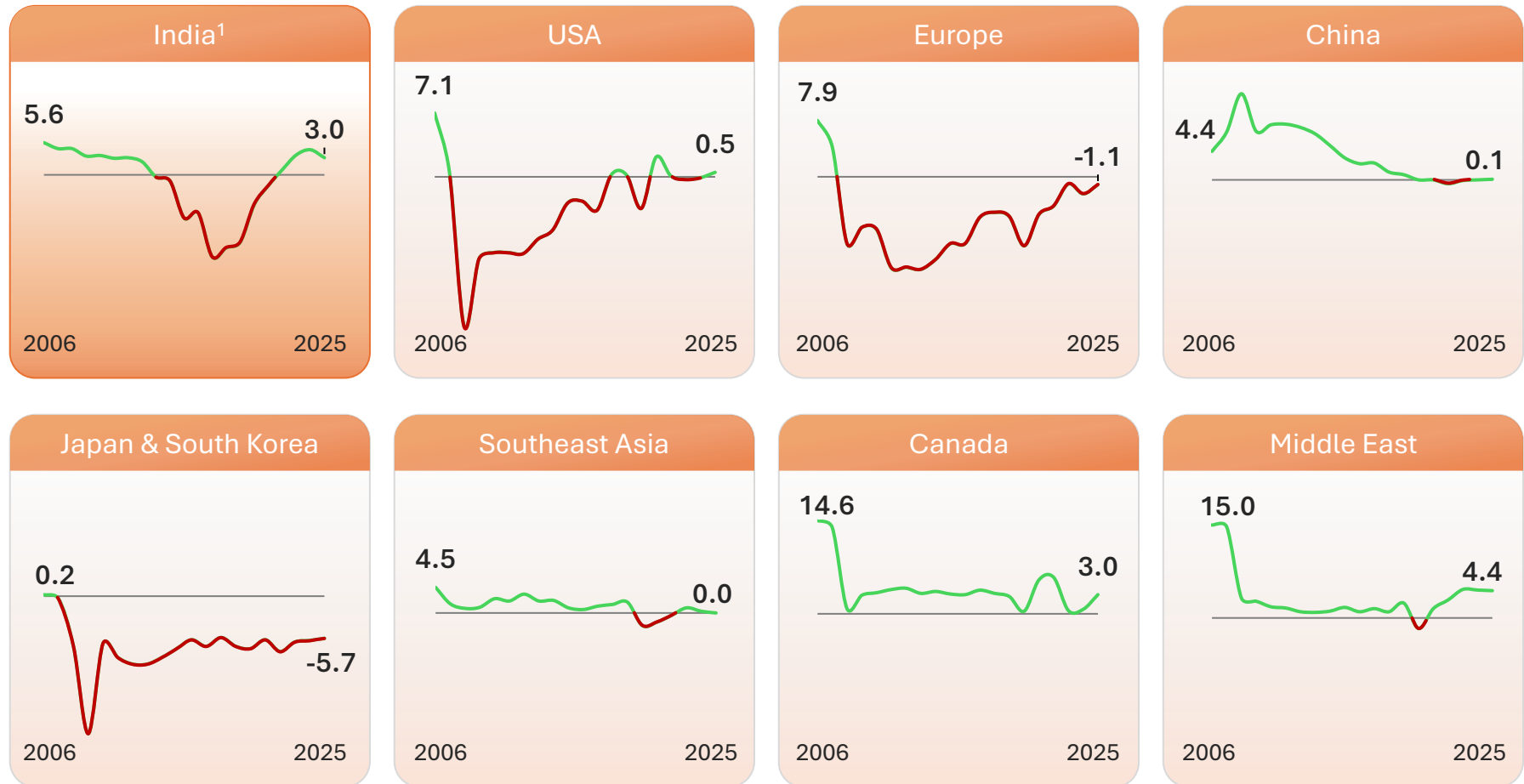
Note: All publicly listed banks considered for analysis

Source: S&P Capital IQ; Future of Finance 2026; BCG analysis



Indian banks have rebounded stronger, outpacing most major global economies

Excess Return over Cost of Equity (%)



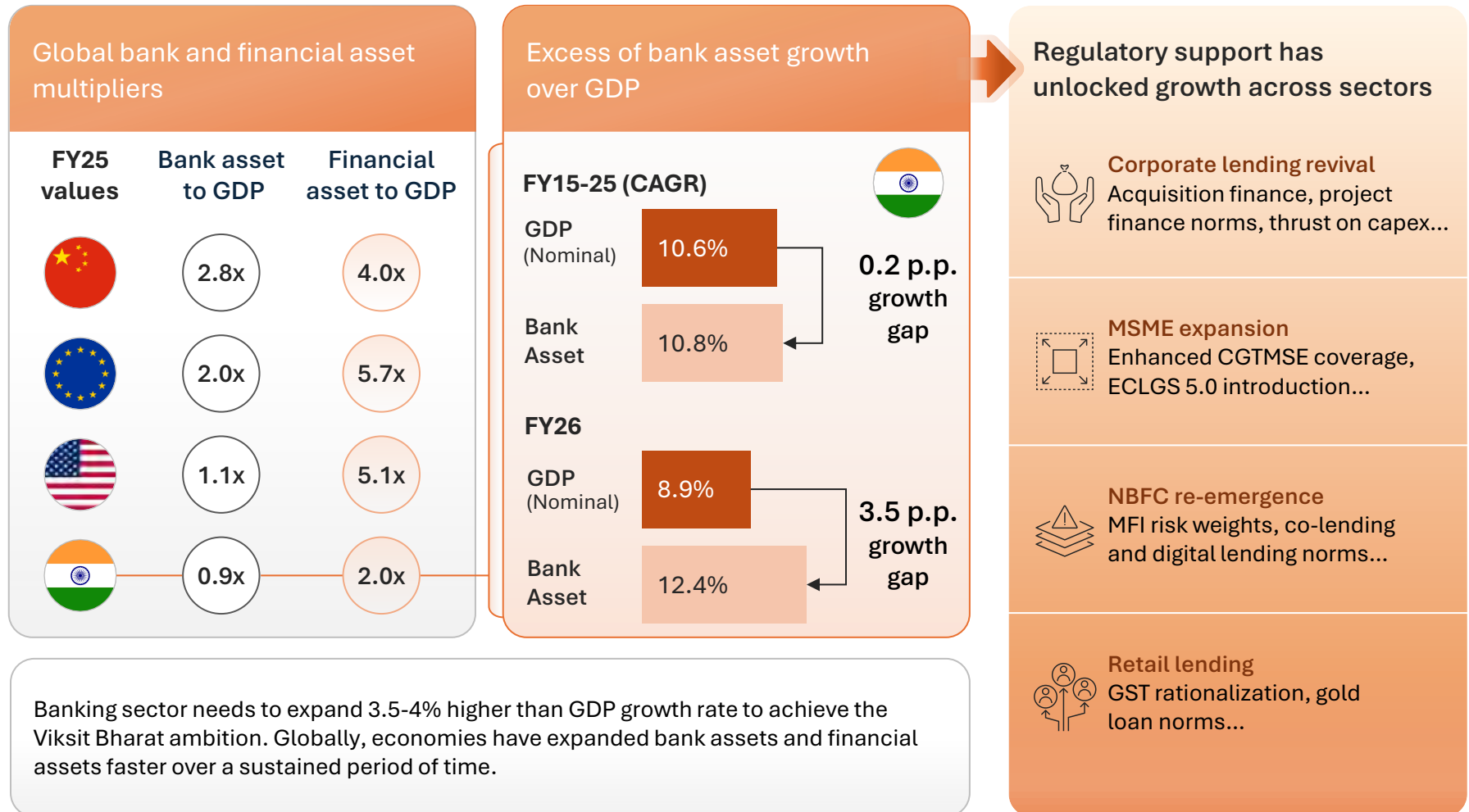
1. For India, data is reported on an FY basis; 2025 denotes FY26

Note: Excess return over Cost of Equity (CoE) is calculated as (Industry RoE - Industry CoE) of listed banks from 2006 to 2026; CoE is calculated as 5-year rolling average from 2011 onwards

Source: S&P Capital IQ; Bloomberg; RBI; BCG analysis



India's banking assets are starting to outpace GDP growth; after a decade of just matching nominal GDP growth



1. Financial assets consist of assets from the following entities: Banks, Central Banks, Financial auxiliaries, Insurance corporations, OFIs, Pension funds & Public financial institutions

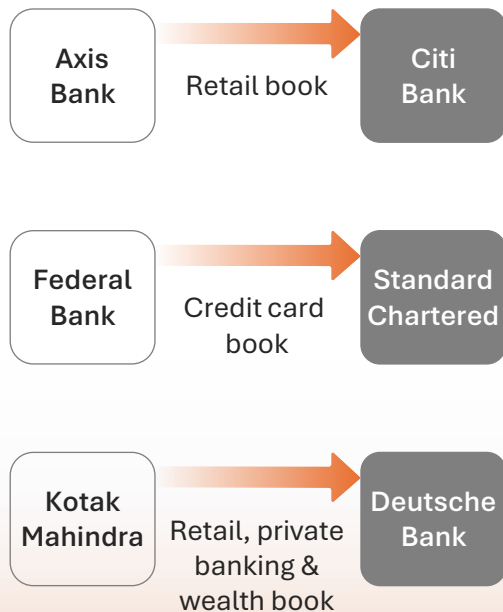
Note: Calculations are based on updated GDP 22-23 base data values for India; For countries excluding India, data is reported on a CY basis; FY25 denotes CY24

Source: FSB; RBI; BCG analysis



Nature of foreign capital in Indian banking is evolving

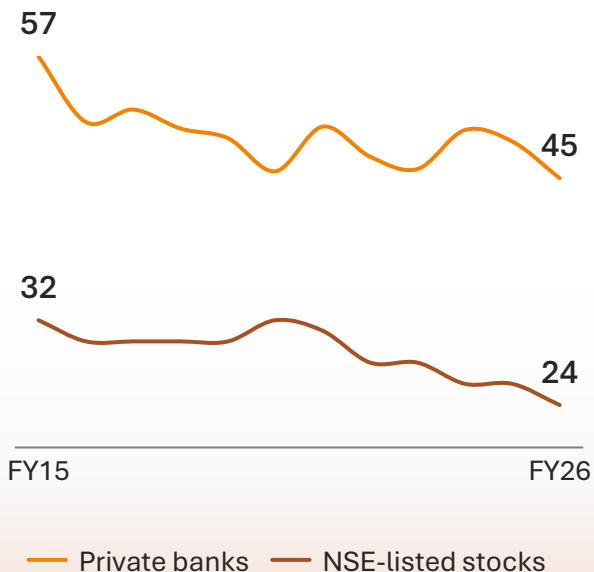
Indian banks are acquiring operations of foreign banks



Entrenched foreign banks are exiting India's retail business, with domestic banks stepping in to buy.

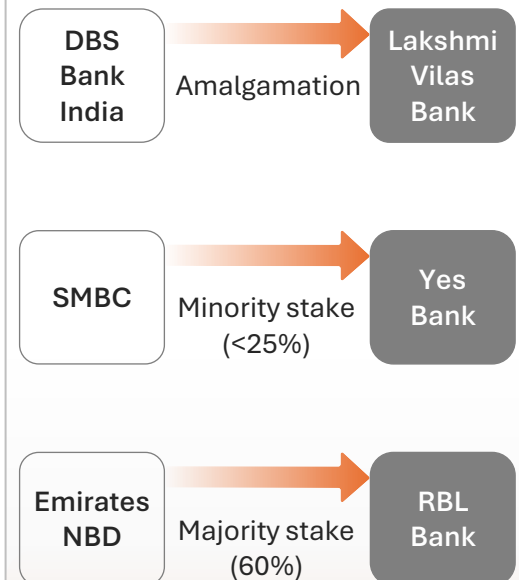
Bank ownership is being rewired - DIIs have started anchoring demand

Market-cap-weighted foreign shareholding for Indian Private banks & NSE-listed companies (%)



FIIIs are at a 10-year low across private banks and NSE-listed stocks.

Foreign capital entering as strategic investments



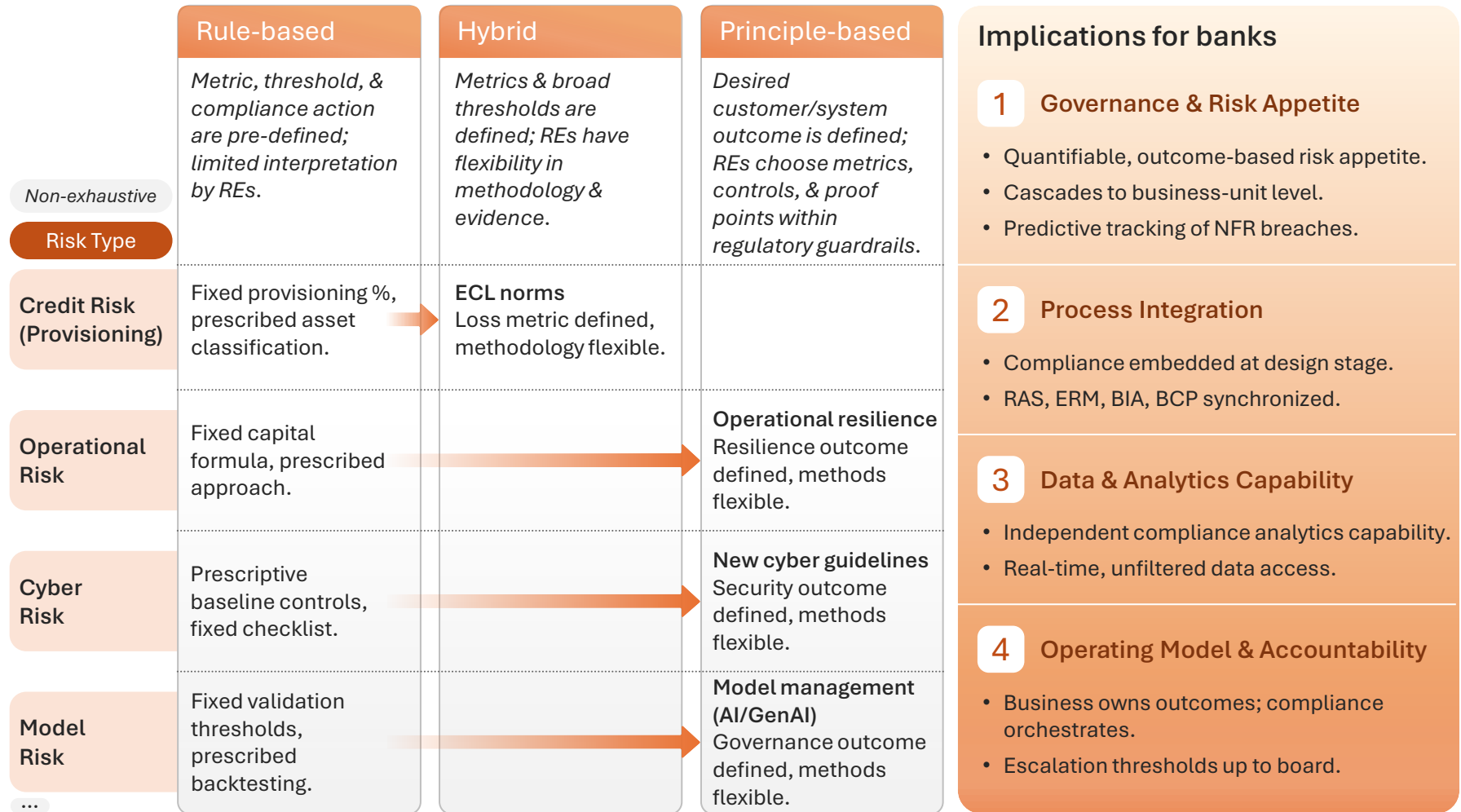
Foreign banks are scaling up their India footprint by acquiring strategic stakes in Indian banks.

Note: Foreign shareholding for Indian Private banks includes foreign promoters, foreign institutions, NRI, Foreign national, Foreign companies & ADR/GDR holdings

Source: Bank shareholding reports; NSE Ownership Report; BSE; Capitaline



As uncertainty and volatility rise, the regulatory landscape is shifting towards more principle-based regulations



Source: RBI; BCG analysis

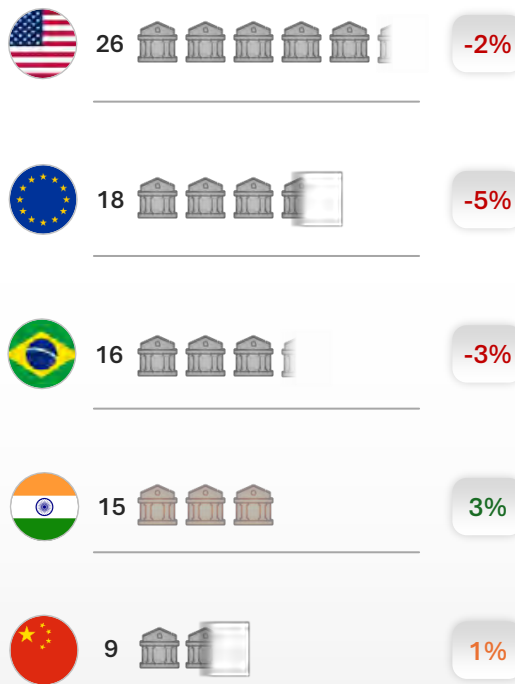


Banks are investing more, but the productivity payoff is yet to arrive

Investment in branch network continues to rise...

Branch Density
no. of branches per 100k adults – FY25

10-year
CAGR

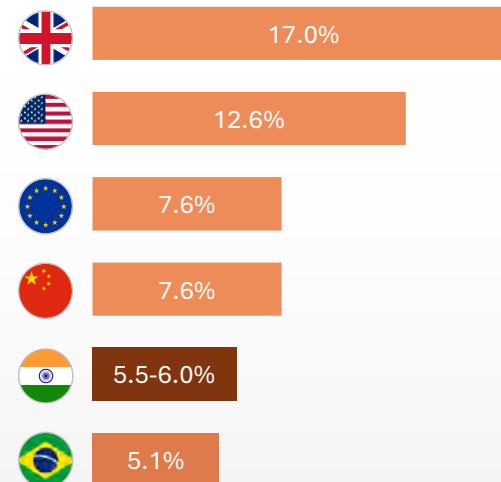


...with significantly faster rise in technology costs...

IT cost for Indian Banks (indexed to FY15)



IT cost as % of total revenue (FY26)

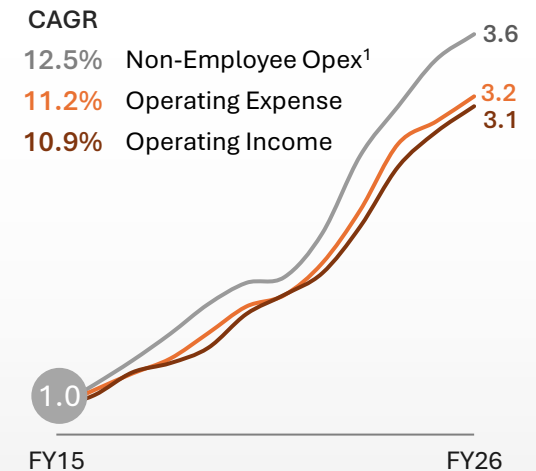


...leading to sticky cost-to-income ratio and no productivity gains

Cost-to-income ratio



Operating income Vs. Operating expense
Indexed to 2015



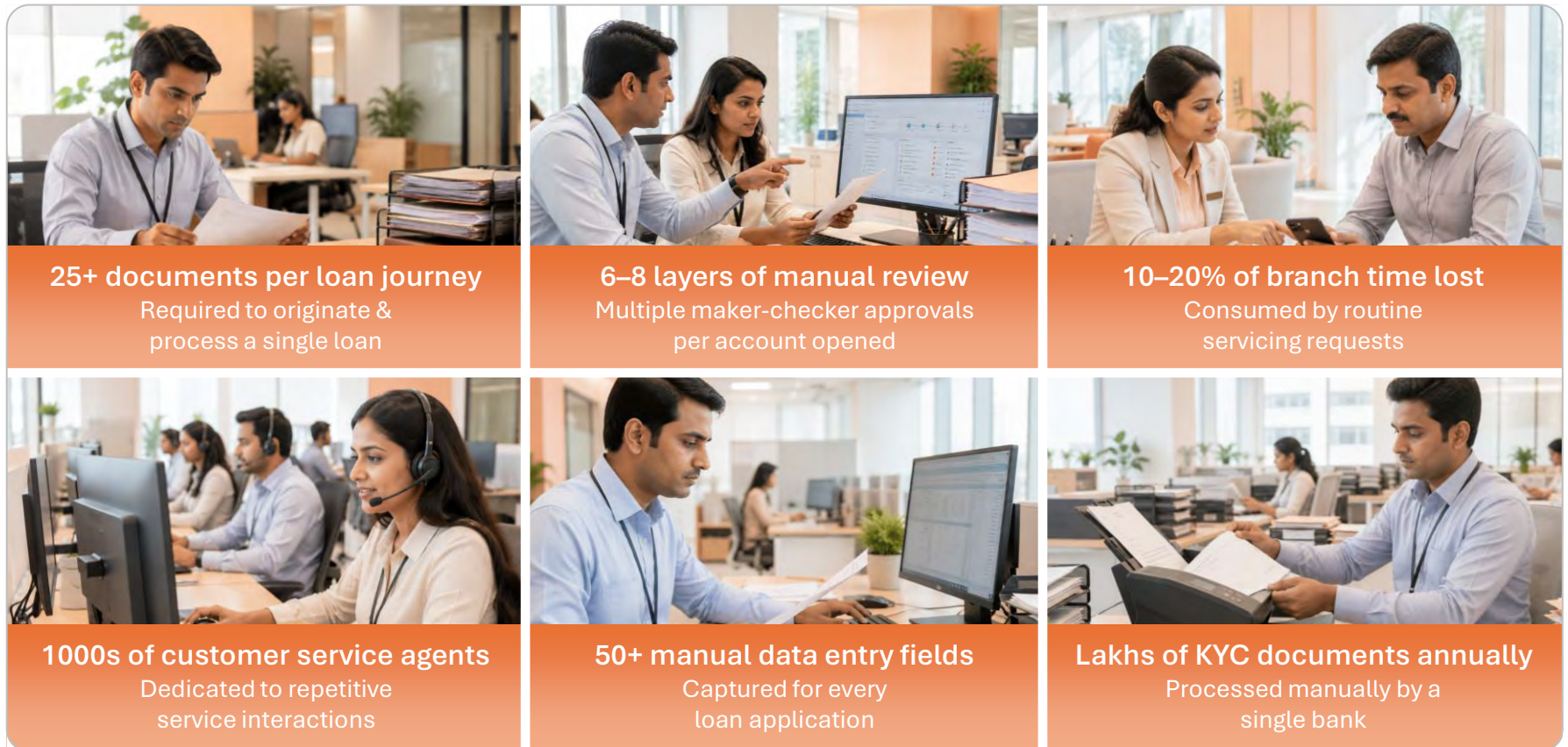
1. Non-Employee Opex includes IT costs

Source: RBI; World Bank; Bank annual reports; Gartner; S&P Capital IQ; FIBAC Banking Survey; BCG analysis



State of banking today: Despite a decade of digitization efforts

Over the last decade, significant investment has been made in the digital infrastructure ecosystem. This has paid off very well in many structured operations/data processes of the sector - e.g. payments (95%+ digital), ID checks (Aadhaar, Bureau, PAN etc). However, there remains a lot of manual work, physical paper handling and complex tasks that impede realisation of gains.



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Banking is evolving: The AI era will bring in a new operating model

Digitization



Code the known

- Banks automated finite, rule-based journeys on structured data, eliminating manual steps.
- Banks coded predictable rules well, but only permutations explicitly programmed can be handled.

Bureau data reading

Aadhaar-based KYC auto-fetch

...

Much of the investment over the past decade has gone into digitizing structured information & processes.

Agentic Execution



Agents do the work

- Agents process unstructured data (voice, documents, images, free form text), executing infinite task permutations.
- Direction replaces prescription, & agents are guided by intent rather than hard-coded steps.

Call centre agent ▶ Voice bot

CPA for loan ▶ DocAI agent

...

Much of the gains expected from AI & GenAI will come from automating complex tasks & unlocking outside productivity gains from humans deployed across the bank.

Augmented Intelligence



Humans become smarter

- Humans remain at the centre for judgment & relationships, with AI adding intelligence & speed to every decision.
- Humans are more enabled, making better decisions, faster than before.

Advisory RM with wealth insights

Credit analysts with Smart CAM

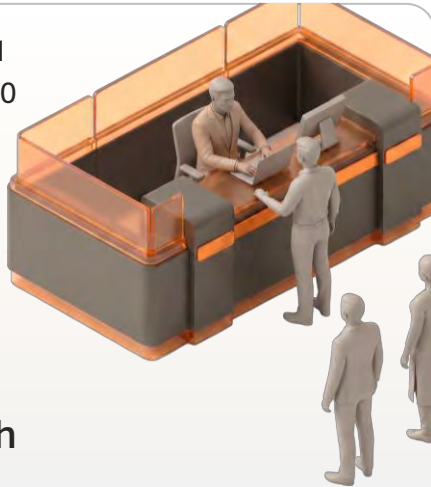
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Banking is evolving: Conversational banking is the next frontier

ERA 1 Pre-2010



Branch

Physical form factor

Customer walks in. Relationships built face-to-face with bankers. Hours, geography, & queues define access.

Channel

branch teller

RM

Interface

paper

in-person

Reach

hours-bound

local

ERA 2 2010-Today



Digital

Screen form factor

Customer self-serves on app or web. Menus, forms, & dashboards mediate every interaction at scale.

Channel

mobile & net banking

Interface

tap

swipe

type

Reach

24 x 7

self-service

ERA 3 Emerging now



Conversational

Dialogue form factor

Customer talks. GenAI agents understand intent, advise, & transact in natural language across voice & chat.

Channel

AI Agents

voice

chat

Interface

natural language

Reach

always-on

personalized

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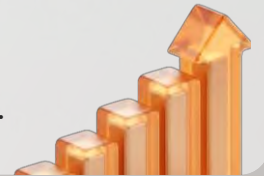
Three imperatives to fulfil India's banking ambition

1

Democratize credit affordability

Lower the operating cost, higher credit affordability

India's degree of penetration in unsecured credit is comparable to and even higher than some OECD countries. However, cost of credit is high, and it is driven by high operating cost of lenders and not the borrower's risk profile. AI-led transformation across operations and rewiring the underwriting journey by leveraging agentic AI will enhance efficiency, with the process savings translating to more affordable credit cost to borrowers.



2

Unlock productivity

Rewire operations, not blind automation

The maximum productivity benefit from AI can only be realized if banks redesign their operations workflow - repetitive, toil tasks with high certainty outcomes need to be automated, and people resources deployed to enhance decision quality in edge cases or tasks with high variance, high value outcomes. Banks must flatten hierarchies, reskill workforce and empower them to reduce cost and increase productivity.



3

Building risk muscle beyond credit

Build an AI-enabled resilient enterprise

Risk management is no longer just about credit risk, it spans fraud, operational resilience, cybersecurity, climate etc. Banks lack visibility on how change ripples across operations. Cybersecurity needs to keep pace with attacks that are at machine-speed. It is time to move from managing risks in silos to taking a comprehensive, AI-enabled, dynamic view of resilience across the enterprise.



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01

Democratize Credit Affordability

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Credit insights Partner: [TransUnion CIBIL](#)

India has seen a steep increase in access to credit

Credit penetration over the past 5 years



1. Population of age 20 and above 2. Borrowers ever present in retail bureau as of March of the respective year

3. Borrowers active in the last 5 years in retail bureau as of March of the respective year 4. Count of MSMEs in India as of March of the respective year

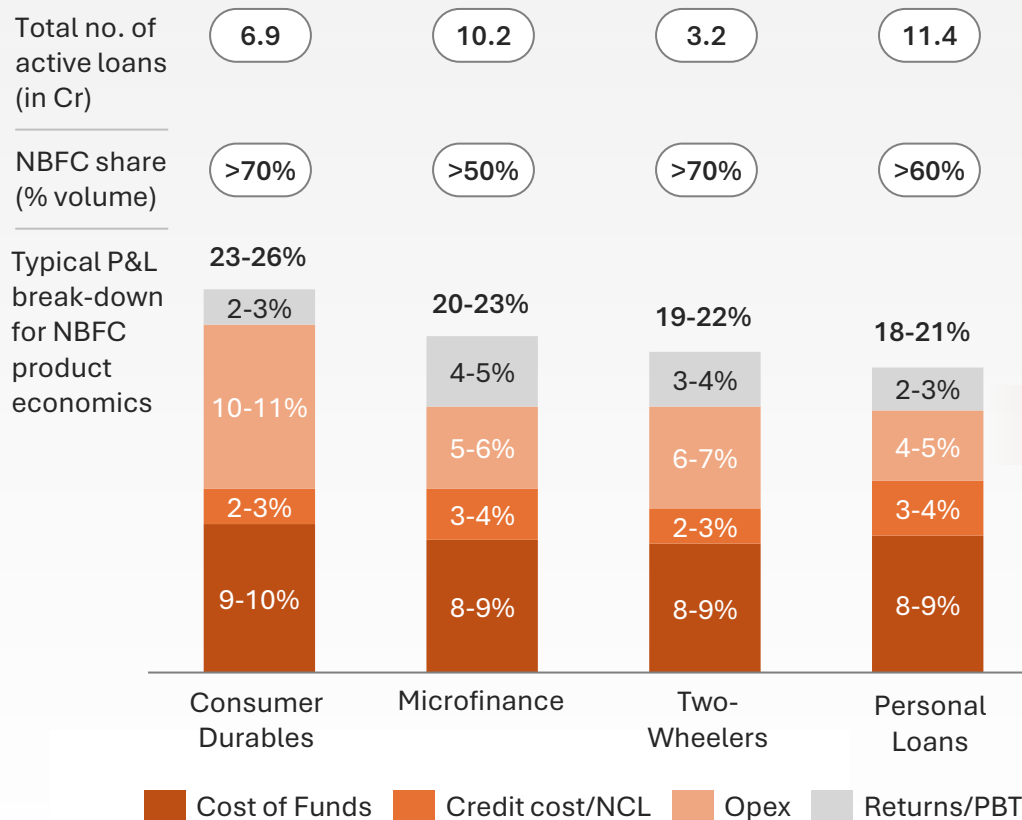
Source: TransUnion CIBIL; MoSPI; Indian Industries Association (IIA); World Population Review; BCG analysis

Credit insights Partner: [TransUnion CIBIL](#)

Affordability of credit continues to be low, driven by high operating costs

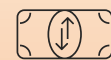
Product-wise P&L break-down:

Cost to serve is a much larger challenge than credit loss



Operating cost decomposition by channels

% of opex



45-50%

Sales costs
(including channel costs)



20-25%

Credit operating cost



20-25%

Collection costs



5-10%

Corp G&A
(allocated costs)

Source: TransUnion CIBIL; CRISIL; Industry interviews; BCG analysis



Lenders need to pivot from collections to debt resolution



Meet **Deepak**,
A two-wheeler loan borrower
with a clean record

Deepak, 34, a store supervisor in Nashik, took a loan for his Honda Activa and paid every EMI on time for twelve months.

Four months ago, his employer shut the warehouse and he lost his job. He covered one more month from his own savings but has missed his last three EMIs since. He has filed a claim with the EPFO to withdraw his provident fund and has told the bank himself that he will pay more once he is working again.

Deepak is wondering

Will one missed payment brand him a defaulter, or will his bank recognize a borrower who is honest, and only temporarily unable to pay?



Demonstrated inability to pay



Expressed intent/willingness to pay

AI/GenAI can bring personalization in helping the customer through this distress cycle

D2C engagement – minimize/eliminate intermediary

Reached out via voice bot & WhatsApp in native language in a polite tone for customer comfort.

Bureau simulator shared – assess score impact

Deepak can check his credit score impact based on his repayment capacity.

Repayment plan shared – personalized offers

Settlement engine offers 3 plans within policy limits.

Continuous engagement – ensure on track behaviour

Agent checks in around the dates Deepak agrees, instead of generic periodic reminders.

Agentic journeys & tools enabling personalized, real-time resolution

Tracks repayment history

Verifies EPFO filings

Reads bank transactions

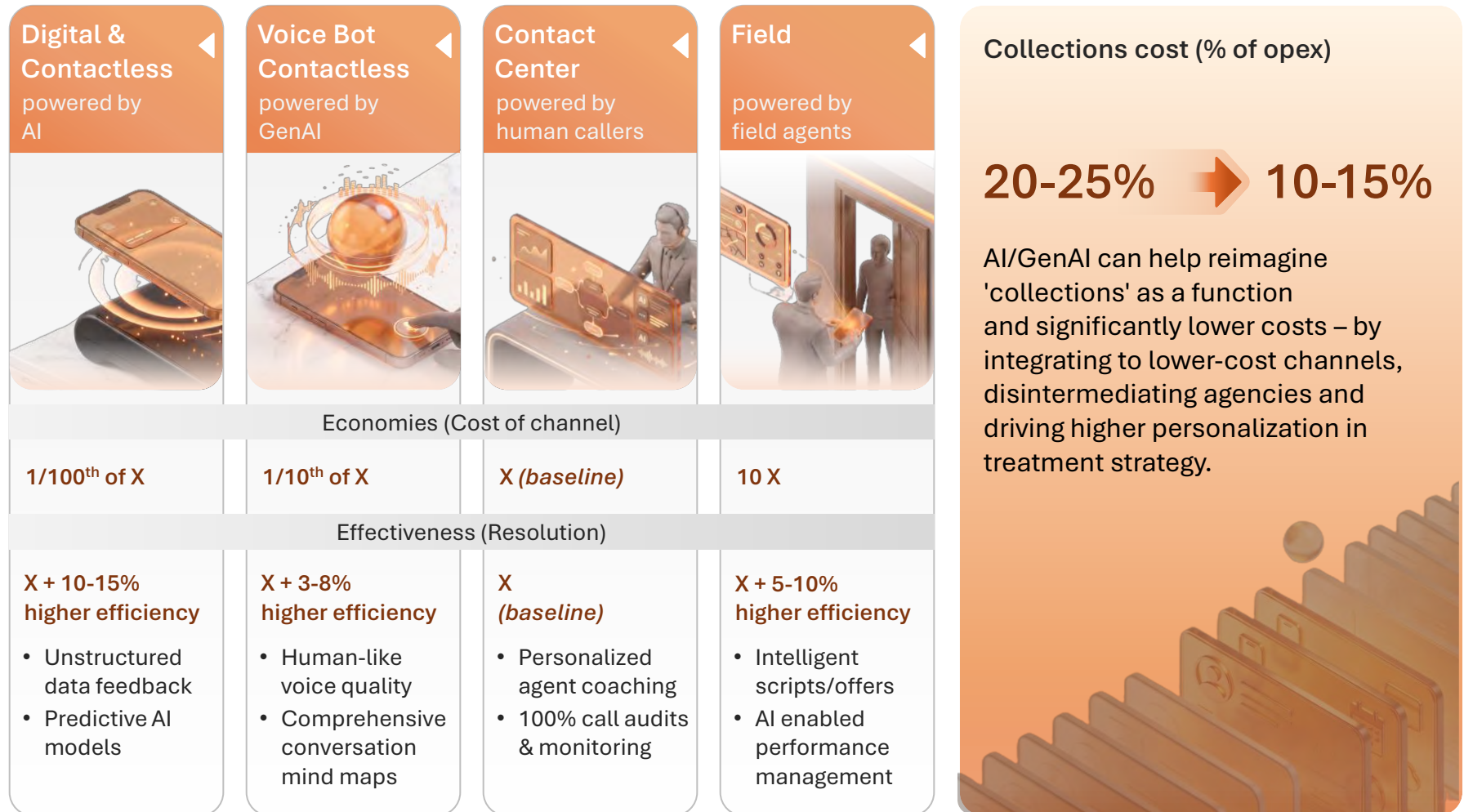
Checks & simulates bureau score

Analyses customer sentiment

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GenAI can enable shift-left to low-cost channels with much better efficacy



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Source: BCG experience



Potential to reimagine a seamless, intelligent and agent-led credit journey

Login & Application 	Profile Assessment 	Asset Verification 	Credit Sanction 	Post Sanction 
DocuAssist agent Extracts, validates data from documents.	BureauLink agent Automatically pulls bureau scores via API.	ValueLens agent Estimates collateral value using market data.	SmartCAM agent Synthesizes data & policy checks into a CAM.	SecureSign agent Manages digital signs, validates document execution.
IDVerify agent Confirms applicant identity via checks.	RiskLens agent Assesses applicant risk using credit, income data.	LegalCheck agent Verifies ownership, legal status of pledged assets.	PolicyGuard agent Checks lending policy, exposure limits, etc.	DisburseNow agent Releases funds only once conditions are met.
ApplyGuide agent Guides applicants through the form, pre-fills fields.	CashFlowIQ agent Analyzes bank transactions to assess affordability.	InspectHub agent Schedules & tracks inspections, valuer visits.	OfferOptimizer agent Recommends rates & terms basis risk profile, portfolio.	
	FraudShield agent Detects synthetic identities, fraud signals.			
Lower TAT 50-90% reduction ¹	High FTR >95% Target	Lower opex 40-60% reduction	Lower mortality rate 20-30% reduction	Lower NCL 10-20% reduction

1. 80-90% for mortgages, small business banking; 60-80% for other secured; Up to 50% for unsecured

Source: Industry benchmarking; BCG experience



02

Unlock Productivity

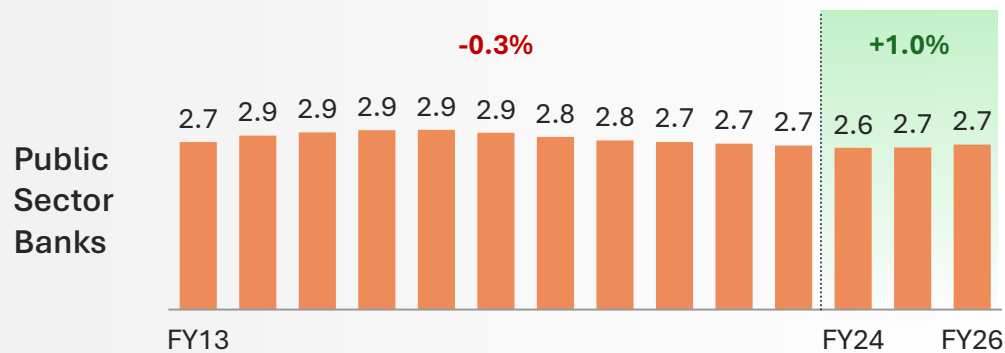
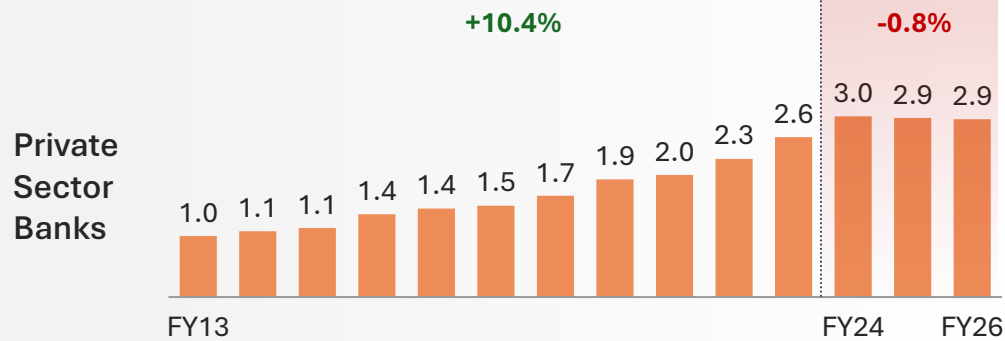
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Real productivity has picked up industry-wide, led by a sharp reversal at private banks

Industry headcount growth has flattened

Employee Base | Indexed to FY13 Private Bank's base



Cost/employee

Indexed to FY13 Private Bank's base

FY13

1.0

FY26

2.0

FY13

1.2

FY26

3.6

Real productivity
(Operating income/employee
adjusted for inflation)

CAGR (%)

FY13-23

-0.5%

FY23-26

5.4%

FY13-23

3.2%

FY23-26

5.4%

Source: RBI; Bank annual reports; BCG analysis



Attrition causes productivity loss; opportunity to recover up to 80% by accelerating ramp-up time from weeks to days using AI

Attrition drives productivity gaps and income loss...

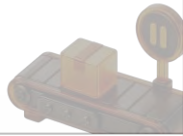
15-20%¹

Attrition/transfers resulting in non-peak productivity periods.



1.5-2.0%¹

Organization-wide downtime attributable to attrition/transfers.



0.5-1%

of operating income lost as a result.



₹ 6-12K Cr

Total operating income loss across the industry.



...however, 3 broad solutions can help bridge these gaps...

1

TalentLens

AI-assisted sourcing & screening identifies the right replacement or transfer, accelerating the ramp-up window.

2

TaskPilot

AI co-pilots guide employees through their tasks from day one, lifting efficiency during the critical early days.

3

Knowledge Vault

Emails, chats, calls are converted into a searchable, cited knowledge base, preserving institutional knowledge.

...unlocking measurable value

80%

Operating income loss bridged by accelerating ramp up time from weeks to days.

Achieved through **faster sourcing, productivity from day-one and preserved institutional knowledge.**



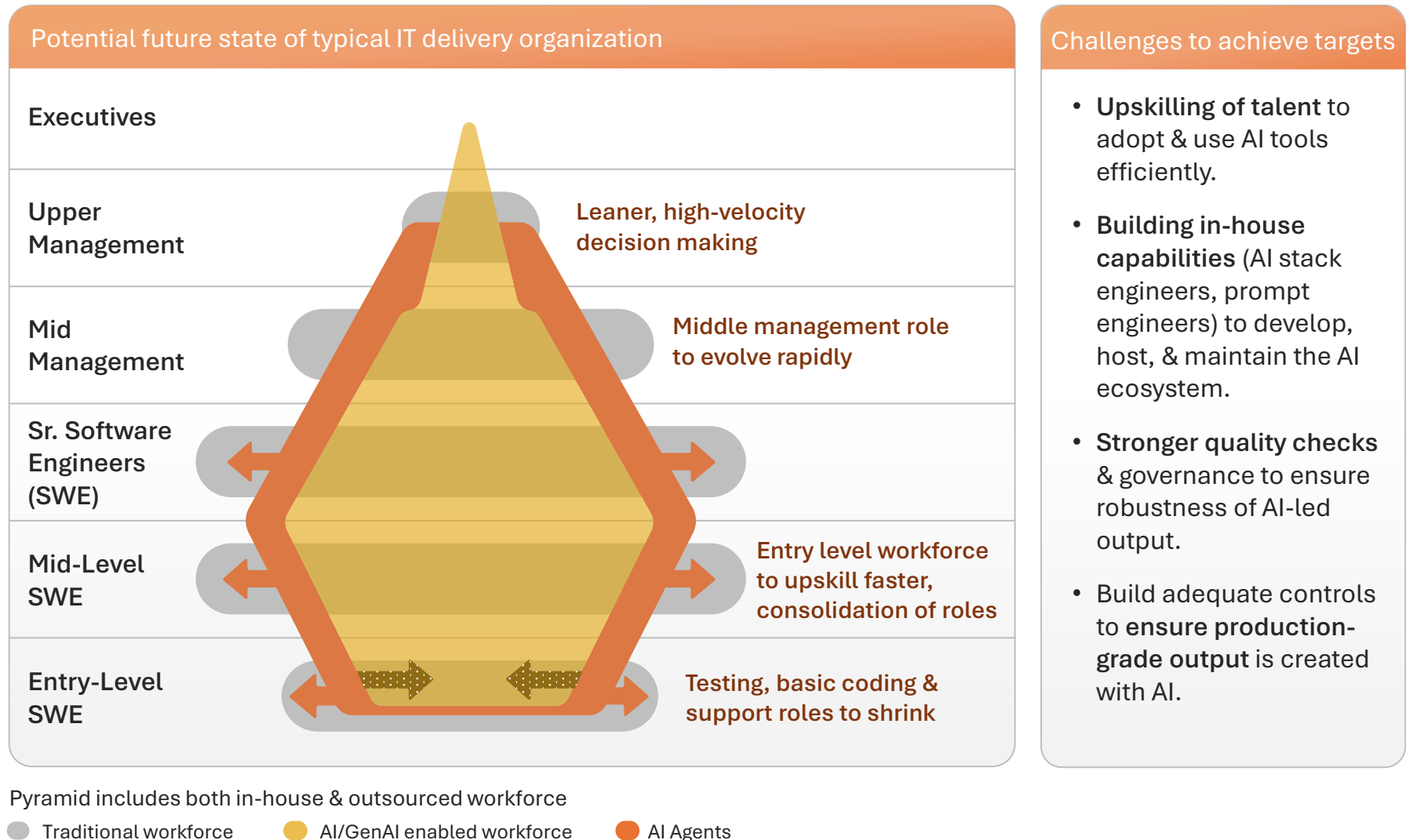
1. Based on FIBAC 2026 Banking Survey and its previous editions

Note: Images on this page are generated by AI

Source: RBI; FIBAC Banking Survey; BCG analysis



AI has the potential to reshape tech workforce model - flatter hierarchies, fewer silos



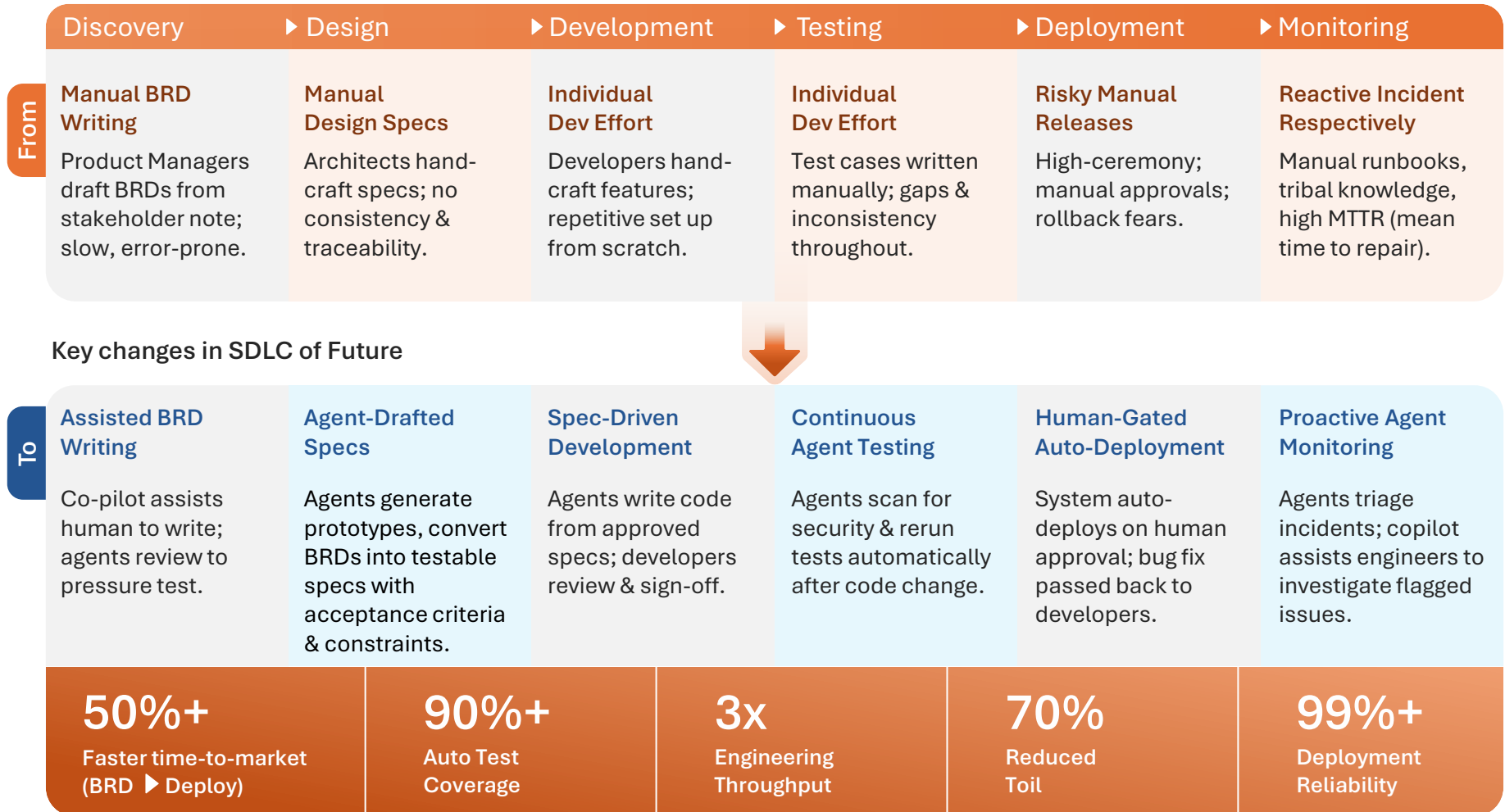
Challenges to achieve targets

- **Upskilling of talent** to adopt & use AI tools efficiently.
- **Building in-house capabilities** (AI stack engineers, prompt engineers) to develop, host, & maintain the AI ecosystem.
- **Stronger quality checks & governance** to ensure robustness of AI-led output.
- **Build adequate controls** to ensure production-grade output is created with AI.

Source: State of AI/GenAI across Engineering Survey; BCG analysis



An agentic SDLC to accelerate software delivery while improving quality, reliability, and productivity



Source: BCG experience



AI can reshape every stage of the RM value chain leading to revenue growth & unlocking capacity

Customer acquisition

20–25% unlock

Onboarding & KYC

45–55% unlock

Deepening & cross-sell

20–45% unlock

Service & operations

40–55% unlock

Retention & portfolio quality

30–50% unlock

Potential to unlock significant value across players

+15-20%

Revenue per RM driven by cross-sell, retention, higher acquisition conversion, AI-powered lead scoring.



25-30%

Capacity unlocked via better planning, onboarding, & superior servicing.



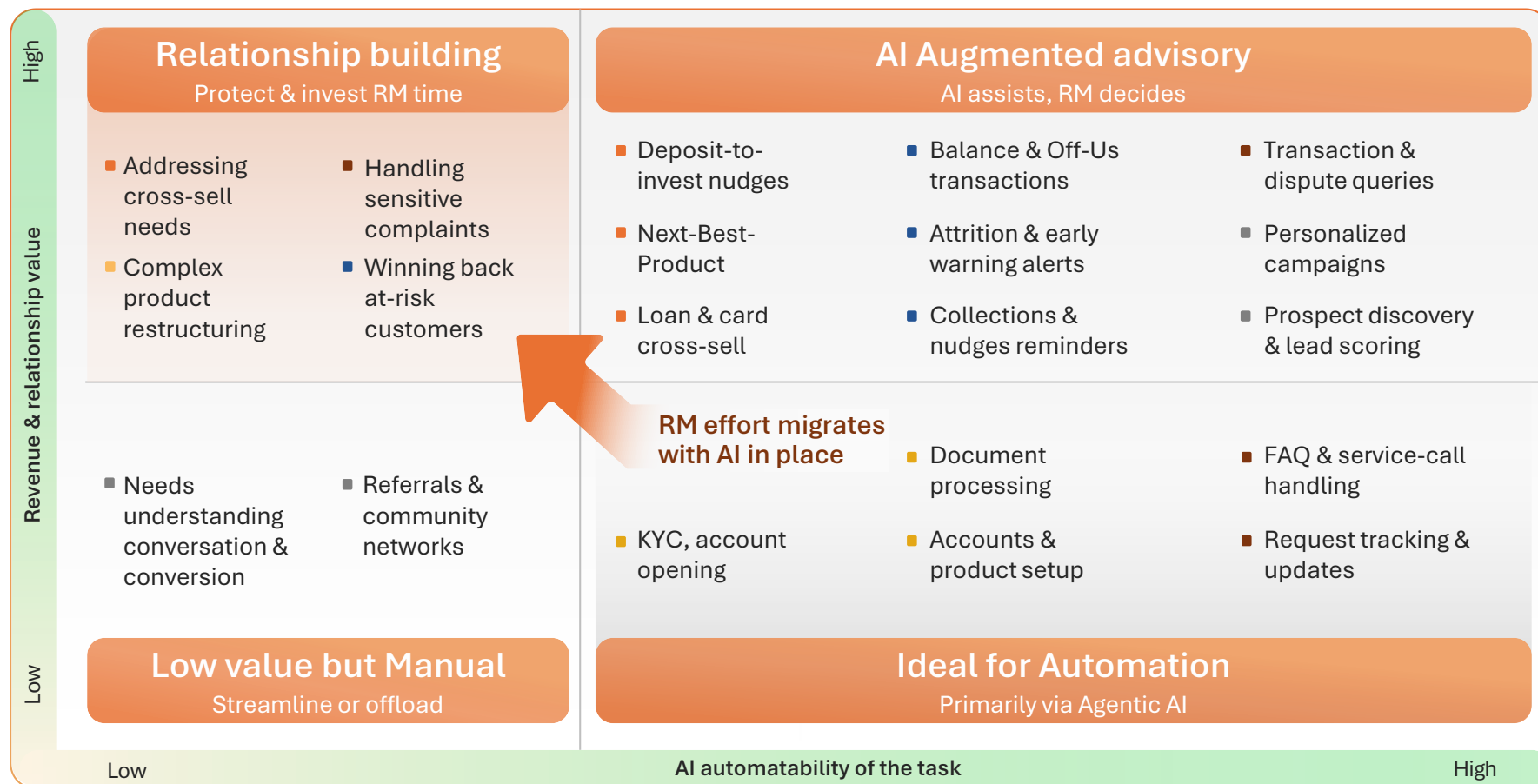
AI enables good relationship managers to operate at their best, more consistently by shrinking preparation time, surfacing portfolio gaps, and enhancing quality of recommendations.

AI augments human intelligence and aids better decision making at every step.

Note: Images on this page are generated by AI
Source: Industry interviews; BCG analysis



AI absorbs the automatable, low-value tasks freeing RM effort to level up into the high-value relationship zone



The prize is not just cost cutting but redeploying effort from the bottom-right quadrant into the top-left where revenue & trust are won

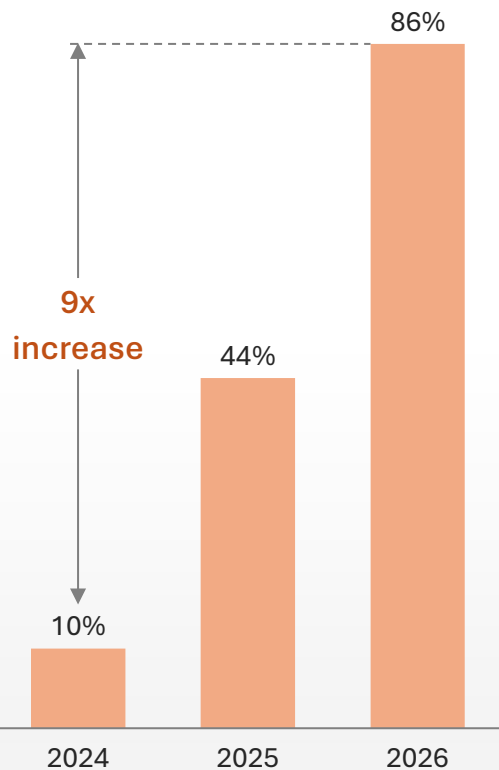
■ Customer acquisition ■ Onboarding & KYC ■ Deepening & cross-sell ■ Service & operations ■ Retention & portfolio quality

Source: Industry interviews; BCG analysis



Indian banks are experimenting with GenAI at a fast pace; but long way to go to embrace it at scale

Share of banks with GenAI use cases under implementation (%)¹



Strategic prioritization of GenAI and scaling challenges

% of banks with GenAI among top 3 strategic priorities

36%

Indian Banks¹

Vs.

81%

All Indian CXOs²

Top challenges faced by banks in deploying AI/GenAI solutions³

Data & infrastructure readiness

77%

ROI uncertainty

46%

Talent & skills gap

39%

Regulatory & governance concerns

39%

1. FIBAC 2026 Banking Survey and its previous editions 2. BCG AI Radar 2026 Survey (n=200) 3. Based on the frequency of each barrier/enabler ranked 1st, 2nd or 3rd

Note: Images on this page are generated by AI

Source: FIBAC Banking Survey; BCG GenAI in FI Benchmarking Survey; BCG AI Radar 2026 Survey; BCG analysis



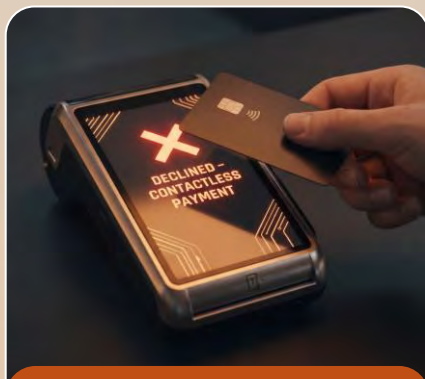
03

Building Risk Muscle Beyond Credit

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Risk landscape is expanding beyond traditional credit risk



Fraud

Fraud patterns are evolving across operations - asset, liability & transaction related. Adoption of AI & digitization will also bring challenges, requiring banks to strengthen detection capabilities & real-time fraud monitoring.



Operational Resilience

Critical banking operations depend on interconnected processes, technology, data, people, third parties, controls & facilities. Building operational resilience requires end-to-end visibility of these dependencies, impact assessment, recovery & continuity during disruptions.



Cybersecurity

Cyber risk is being reshaped by AI. Attacks are now faster & cheaper to launch, regulators are demanding board accountability, & growing digital interdependence is widening the attack surface. Banks need to move towards machine-speed defense.



Emergent Risks & Uncertainties

Rising geopolitical & climate risks will impact banks way more than in the past. Modelling for these risks requires detailed understanding of the underlying shock factors at a sub-portfolio level, studying fat-tail events & simulating the future impact.

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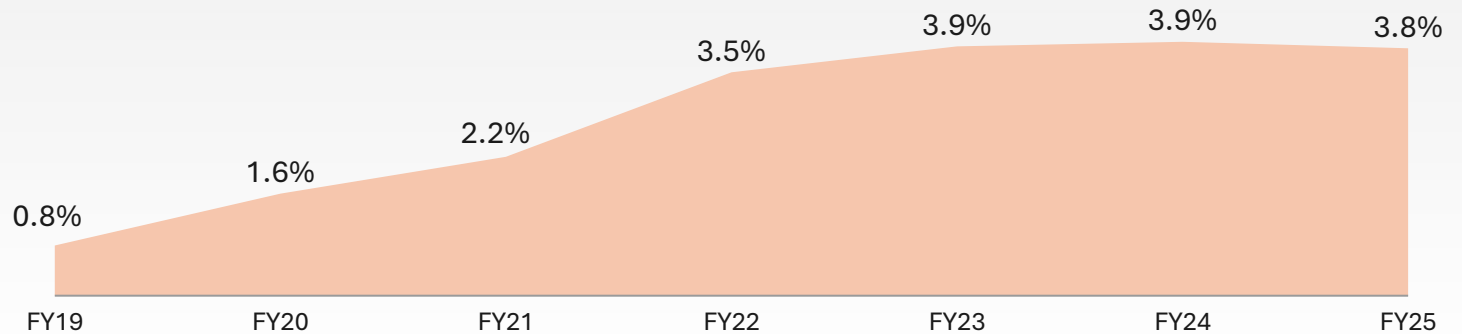
Credit insights Partner: **TransUnion CIBIL**

Fraud incidence continues to be elevated

All values are % of loans with 90+ DPD at 6 MOB not normalized at 12 MOB¹ to total loans (retail consumption)

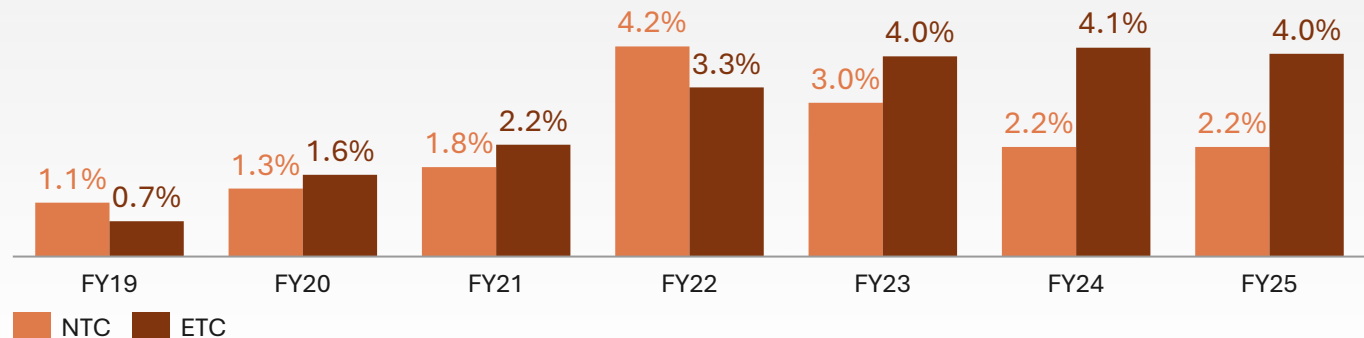
Early delinquency volumes over time

Proxy for fraud



Early delinquency volumes over time by ETC & NTC

Proxy for fraud



1. Early Delinquency: 90+ DPD in 6 months is taken to determine applications with potential fraudulent behavior

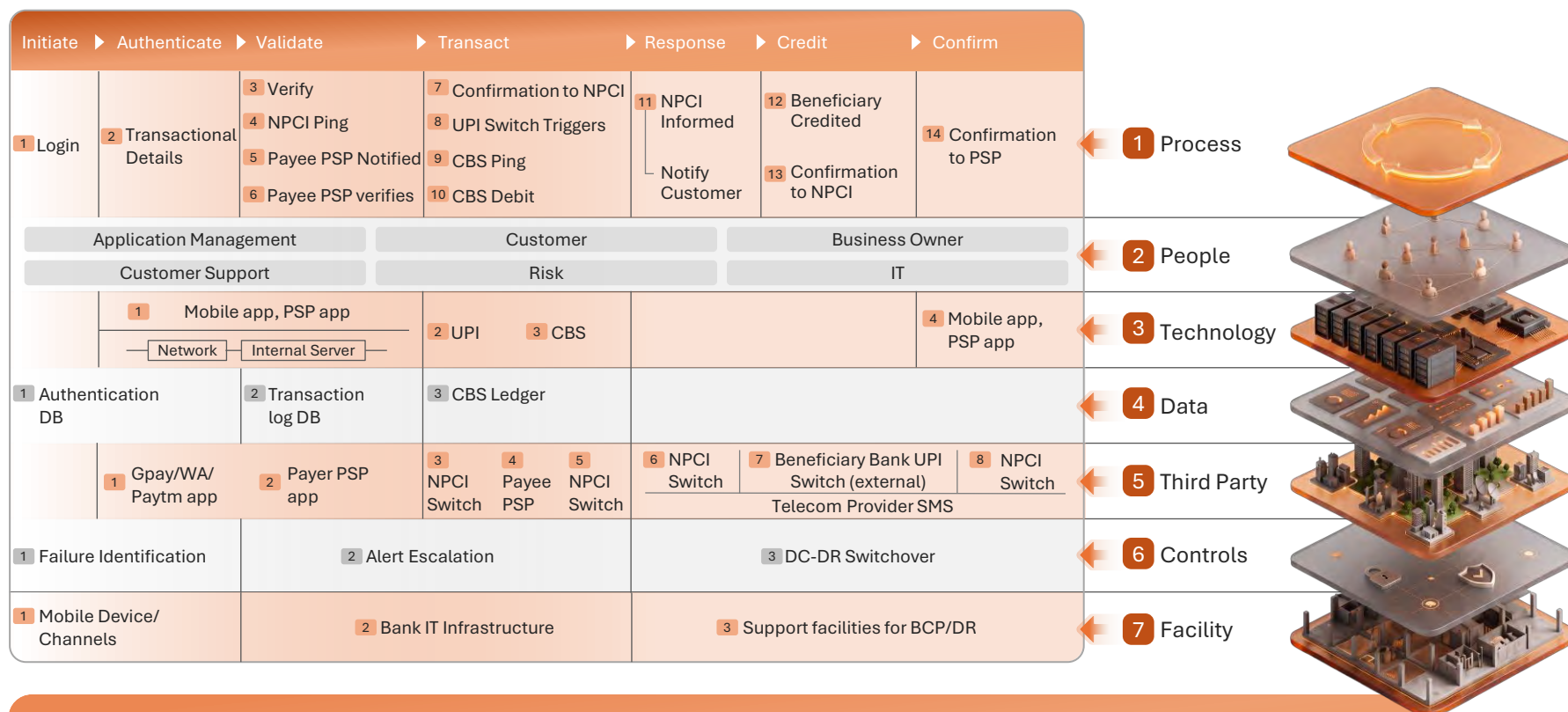
Note: Analysis done for Personal loans, Credit card, Consumer durable & Two-wheeler loans

Source: TransUnion CIBIL; BCG analysis



Operational resilience requires end-to-end mapping of critical operations

UPI critical operation: end-to-end mapping across 7 layers of interdependencies

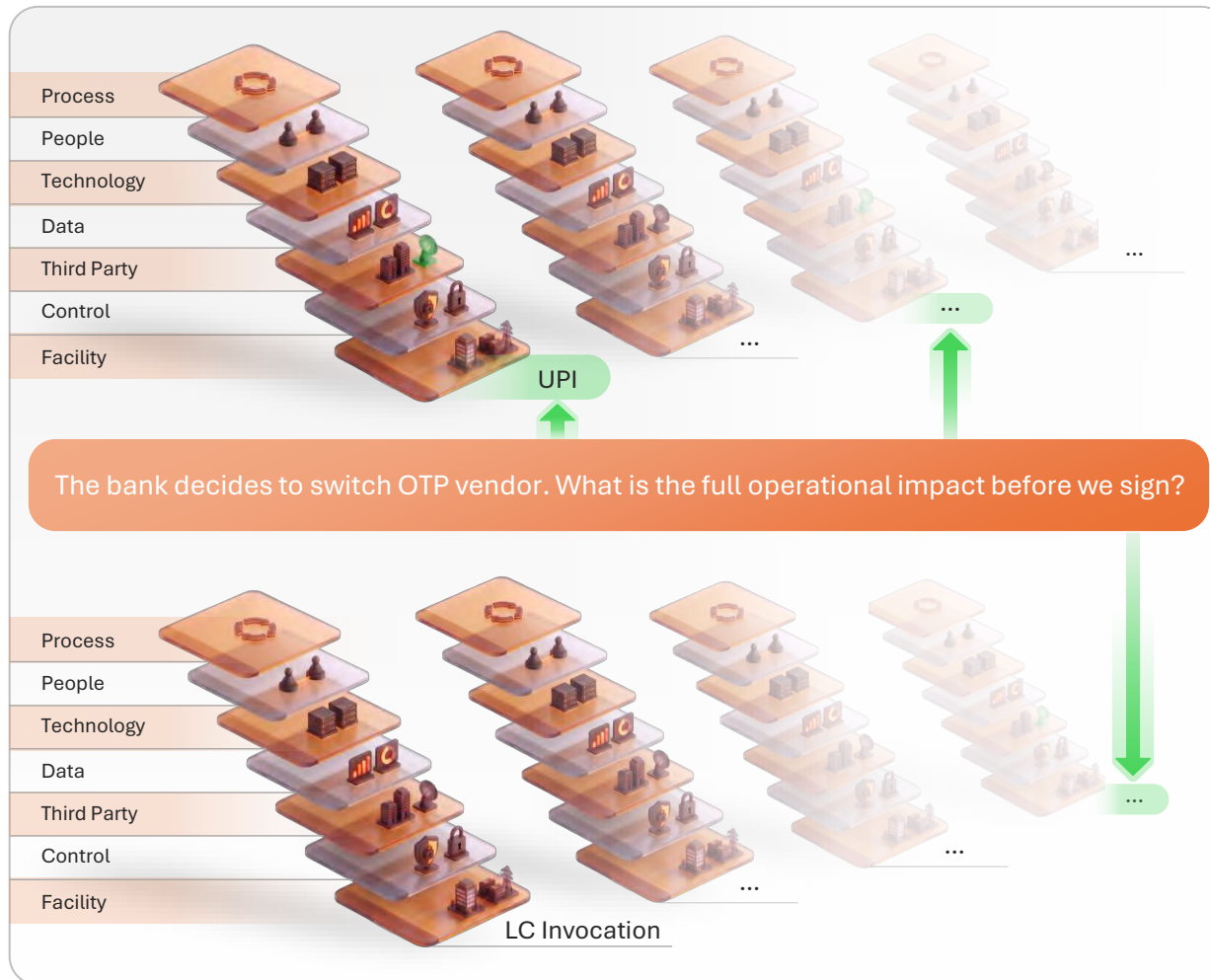


Operational resilience demands a full view of what keeps a critical operation running. Most banks lack one. A single critical operation spans 7 layers and 40-50 interdependent steps, and mapping it end-to-end has traditionally taken months of manual work, pieced together from policies, BRDs, APIs and data flows scattered across teams and systems.

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A single change can ripple across multiple operations – GenAI can help identify every dependency and vulnerability across these operations



1-2
months

Manual mapping of dependencies across 100+ operations across the bank, for any internal, external or regulatory change.



1-2
days

GenAI-based dependency mapping & identification of all vulnerabilities, across the same 100+ operations.



Note: Images on this page are generated by AI



Cybersecurity has become a board-level risk for Indian Banks

Indian Banks face a structurally more demanding cyber environment...

1.6x Attacks per organization in Indian BFSI Vs. global in 2025¹.

17x Faster: time from vulnerability disclosure to first observed exploitation².

76% of Indian BFSI CISOs rank AI-enabled attacks as a top-four priority³.

38% of Indian BFSI spend over 10% of IT budget on cyber (Vs. 76% globally)⁴.

...creating 3 Board-level imperatives

AI-enabled threats

Since attacks now move at machine speed, **detection & response must be re-timed** to match this pace.



Regulation

The bar has moved from having controls in place to being able to demonstrate to the board how **cyber & AI risk is governed**.



Digital Interdependence

Banks must **assess business value & security risk together** for every new digital capability.



1. Check Point Cyber Security Report 2026 (January 2025 – December 2025) 2. 745 days (2020) to 44 days (2025), Flashpoint 2026 Global Threat Intelligence Report

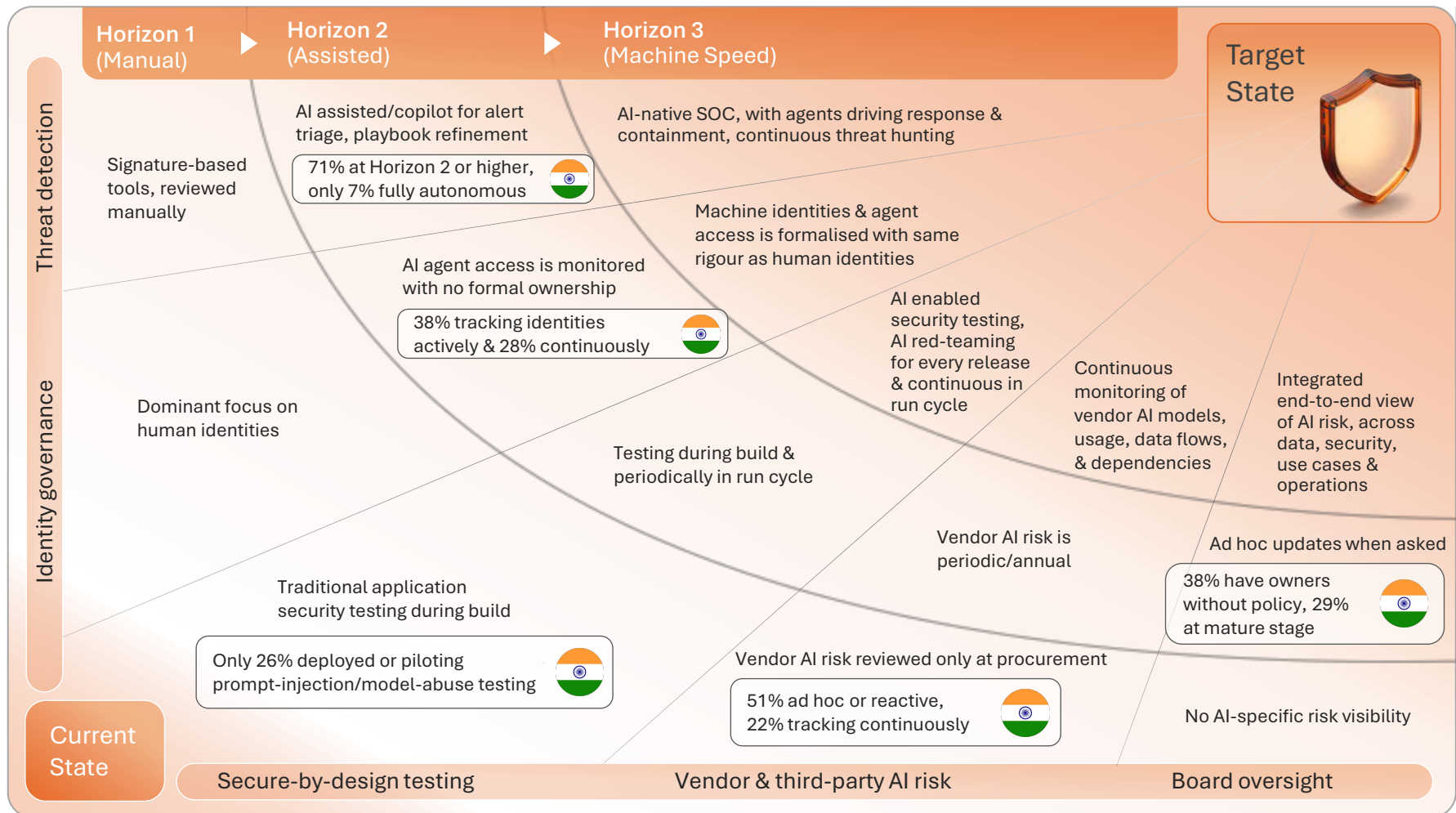
3. BCG x DSCI India CISO Survey 2026 (N=42) 4. BCG x DSCI India (N=42) and BCG x GLG Global (N=53) CISO Surveys 2026

Note: Images on this page are generated by AI

Source: BCG x DSCI, Cybersecurity in the Age of AI, May 2026



AI to beat AI: Cybersecurity needs massive overhaul across the industry



Current State of Indian BFSI

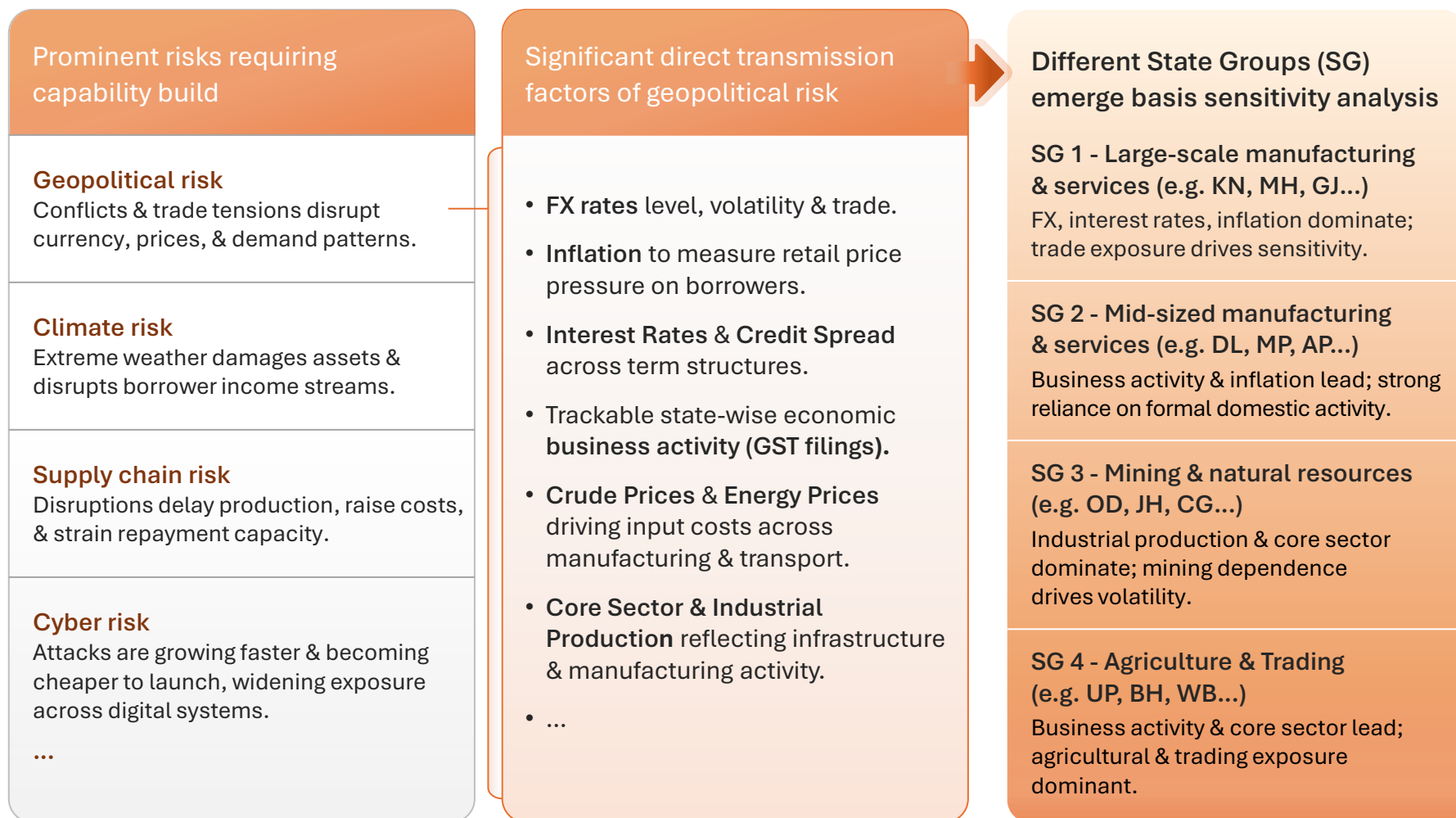
Note: Classification Criterion: Horizon 1. Controls are signature- or rule-based and reviewed by humans, Horizon 2. AI augments human analysts but humans sign off on decisions, Horizon 3. AI-native controls operate continuously and are embedded in the build; Images on this page are generated by AI

Source: BCG x DSCI India CISO Survey 2026 (N=42); BCG analysis



Credit insights Partner: **TransUnion CIBIL**

Emerging risks that may cause unexpected losses need to be assessed with advanced stress-testing



Note: SG1, SG2, SG3, SG4 are state groups clubbed by predominant economic activity and similarity of macro-factors driving MSME portfolio risk

Source: TransUnion CIBIL; BCG analysis



Credit insights Partner: **TransUnion CIBIL**

MSME credit has been resilient at the current level of geopolitical stress

If the conflict in the Middle East remains unresolved beyond 9-12 months, then MSME slippage levels will shoot up by 1.5X or more

Scenarios:

Stress Case 1 – Successful resolution within 3 months

Stress Case 2 – Resolution delayed by 3 to 6 months,

Stress Case 3 – Resolution delayed by 9 to 12 months

Under Stress Case 1, normal economic activity resumes within 2 to 3 months. While under Stress Case 3, recovery is delayed by a further 6 months.

State Groups	Observed Slippage ¹ Rate (FY 22-25) <i>(Share of good loans turning 30+ DPD, 12 months)</i>	Scenario	Slippage rate multiplier ²			
			Stress 1	Stress 2	Stress 3	
SG1	• Small: 12.2% - 15.5%	Small				
	• Medium: 8.0% - 10.4%	Medium				
	• Large: 3.8% - 5.3%	Large				
SG2	• Small: 11.4% - 14.7%	Small				
	• Medium: 7.7% - 10.1%	Medium				
	• Large: 3.6% - 4.9%	Large				
SG3	• Small: 16.1% - 21.4%	Small				
	• Medium: 13.3% - 16.5%	Medium				
	• Large: 4.7% - 6.3%	Large				
SG4	• Small: 15.2% - 20.8%	Small				
	• Medium: 10.1% - 14.0%	Medium				
	• Large: 3.8% - 5.3%	Large				
Slippage Multiplier:			Less than 1.15X	1.15 – 1.25X	1.25 – 1.5X	1.5 – 2.5X

Industrialization of economy is highest for SG1 states & reduces towards SG4. Diversification increases as we move from SG1 states to SG4 states.

Accordingly, multiplier due to geopolitical stress is highest for SG1 states with high first-order dependency on crude, FX & trade. SG3 & SG4 states are more insulated & benefit from government support.

Larger MSMEs across geographies slip more sharply if the conflict extends beyond six months; driven by the continuous first-order impact of FX & inflation, & the lagged second-order impact on commodity prices & demand.

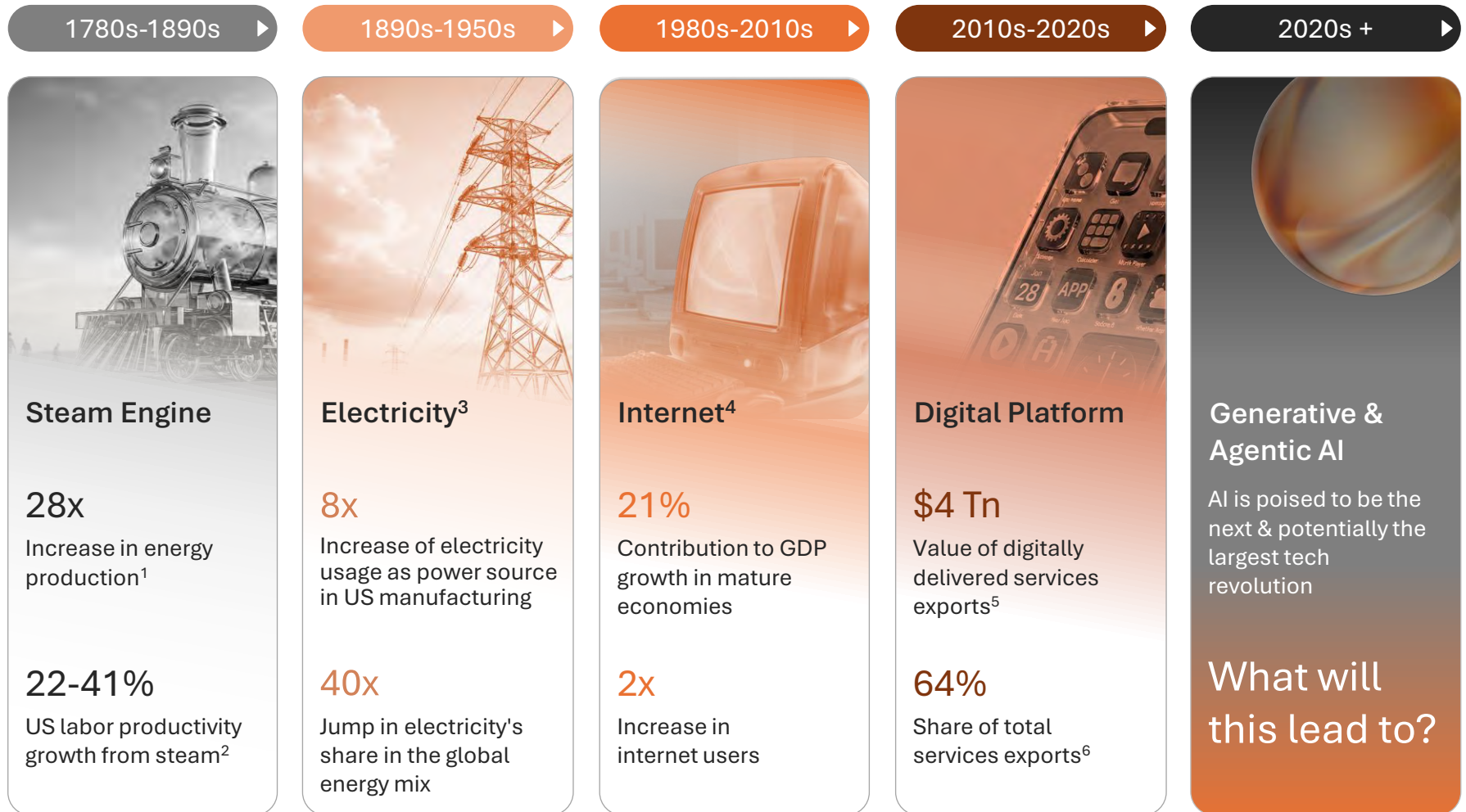
1. Reflects the share of good loan book turning 30+ DPD at any point over the next 12 months, by outstanding value 2. Slippage multipliers are based on 30+ DPD at 12 months and represent median outcomes across states within each group

Note: SG1, SG2, SG3, SG4 are state groups clubbed by predominant economic activity; Loan Ticket Size Classification: Small: <10 lakhs, Medium: >10 lakhs and <50 lakhs, Large: >50 lakhs

Source: TransUnion CIBIL; BCG analysis



Perspective: Each technological revolution unlocked a productivity supercycle



1. Observed between 1860-1910; 2. Observed between 1850-1880; 3. Computed between 1900-1950; 4. Computed between 2005-2010; 5. In year 2022; 6. In year 2020

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Source: UNCTAD; International Telecommunication Union (ITU); MPRA; Institute for Energy Analysis (IEA); CEPR; National Bureau of Economic Research (NBER); BCG analysis



13-point agenda to strengthen the banking sector



Agenda for Banks

- 1 Embrace AI to completely reshape & reimagine every function, not just optimize at the margins.**
- 2 Dedicated reskilling & upskilling from AI fluency (for business users) to AI specialization (for risk & analytics) to drive large scale adoption.**
- 3 Governance -in-action & compliance-by-design paradigm to be adopted to address evolving regulations on AI, models & Data Privacy.**
- 4 Bolster risk management beyond credit (Fraud, operational resilience, climate etc.) & scale cyber security posture to match the expanding attack surface.**



Agenda for Regulators

- 5 Build shared common utilities across the industry (e.g., climate finance, fraud, AML) to lift collective defenses.**
- 6 Define a third- & fourth-party registry for AI/GenAI vendors across the industry (like API-based services using ULI).**
- 7 Build a regulatory sandbox for AI/GenAI vendors & use-cases.**
- 8 Adopt & develop AI tools in internal operations & in enhancing risk monitoring & banking supervision.**
- 9 Expand industry-wide upskilling on AI through common curriculum & certification.**



Agenda for Government

- 10 Create an enabling environment for developing sovereign models while driving more regional adoption.**
- 11 Enable skill development via Skill Development Initiatives (Skill India, NIELIT) & apprenticeships.**
- 12 Accelerate AI infrastructure (compute, data centres, energy) to support adoption across the banking sector.**
- 13 Creating PPP between Banks, Utilities & CERT-IN for real time detection, dissemination & to build collective ability to respond & recover.**

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FICCI works with its key stakeholders to foster active engagement and dialogue with decision makers, to support steps that are good for commerce and industry.

As a member-led and member-driven organisation, FICCI represents over 2,50,000 companies across all segments of economy including public, private and multinationals. The diverse membership base of FICCI across all Indian states includes both direct and indirect members through its 300 affiliated regional and state level industry associations. FICCI has a large international presence via partner agreements with 250 national business associations in over 100 countries.



Indian Banks' Association (IBA) the only advisory body for banks in India, was set up in 1946 as an association to discuss vital issues of Banks. The onward journey of IBA has been progressive and enriched by the development of India's banking sector since independence.

Having bestowed with the status of the "torch bearer" for the banking industry, IBA has initiated several path breaking policies during the last 80 years which have eventually transformed the banking sector. Over a period of time IBA has evolved as the "Voice of the Indian Banking Industry".

At present IBA has 237 Members, 136 Ordinary Members comprising Public, Private, Foreign, SFB, RRBs, Payment Banks and Co-operative Banks and 101 financial institutions and Banking related organizations as Associate Members.



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