

The State of AI Adoption 2025

Trends, Execution Challenges, and Industry Benchmarks Across BFSI, Tech, and Retail

Based on the March 2025 research study: Insights from Industry Leaders: A View from the Edge of Applied AI

CONTENTS

JUMP TO SECTION

[Executive Summary](#)

[About the Research](#)

[Strategic AI Execution](#)

[Call to Action](#)

Executive Summary

In 2025, enterprise AI has moved decisively beyond experimentation. According to a survey of 246 senior executives across BFSI, Tech, and Retail, 8 in 10 companies are now deploying or integrating Generative AI and large language models (LLMs) into core products and workflows.

AI is no longer a side project—it's foundational to enterprise growth, with over 90% of leaders planning continued investment. In fact, AI has now surpassed digital transformation as the top strategic priority.

Yet the path to value remains difficult. 43% of leaders report prior initiatives fell short of expectations due to data readiness, compliance risk, talent gaps, cost, and weak integration. Many struggle to move past proof-of-concept into production-grade systems with real impact.

What's changed is how success is now defined. High-performing organizations measure AI against KPIs like fraud reduction, underwriting time, customer churn, and operational throughput. ROI, adoption, and governance—not model sophistication—are the new benchmarks for maturity.

This report highlights how BFSI, Tech, and Retail leaders are navigating this shift, mapping the execution challenges, sector patterns, and organizational traits that separate pilot purgatory from production success.

1 Executive Summary

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

About the Research

The insights in this report are based on a quantitative survey conducted in March 2025 by Turing Intelligence, in collaboration with an independent research firm specializing in enterprise technology trends.

Survey Scope:

- **Audience:** 246 senior enterprise leaders, including C-level executives (CEO, COO, CFO, CTO, CIO), VP-level decision-makers, and directors responsible for AI, data, and digital transformation.
- **Geographies:** United States, Canada, United Kingdom, Germany, India, and Singapore.
- **Company Size:**
 - 45% Fortune 500 companies
 - 38% mid-to-large enterprises (1,000–10,000 employees)
 - 17% growth-stage companies (>500 employees)
- **Industry Representation:**
 - 34% Banking, Financial Services & Insurance (BFSI)
 - 33% Technology & Platforms
 - 28% Retail & Consumer Goods
 - 5% Other (Healthcare, Manufacturing, etc.)

2

About the
Research

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

About the Research

Focus Areas:

Respondents were asked to assess their organization's maturity and challenges across the following domains:

- Generative AI deployment
- LLM integration and use case strategy
- Success metrics and ROI frameworks
- Workforce readiness and adoption
- Governance, compliance, and infrastructure gaps
- Partner evaluation and execution strategies

Where relevant, responses were segmented by company size, sector, and executive role to highlight maturity trends and priority shifts across the enterprise landscape.

2

About the
Research

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

I. Enterprise AI: From Priority to Imperative

Implementing AI/GenAI is now the #1 business priority across sectors, surpassing even digital transformation.

This prioritization reflects a significant shift in enterprise thinking: AI is no longer a aspiration but an operational and strategic necessity. Companies across industries are embedding AI into the heart of their digital transformation strategies, recognizing its potential to streamline operations, unlock insights, and improve customer engagement. For many, GenAI tools are being rapidly adopted to automate and enhance knowledge work, spanning everything from document summarization and marketing copy to coding assistance and legal reviews.

Enterprises are also investing in education and infrastructure to support this evolution. AI literacy programs, prompt engineering workshops, and the integration of LLMs into core systems (CRM, ERP, data lakes) are now standard initiatives. Many Fortune 500 firms have established AI Centers of Excellence (CoEs) to centralize governance and build reusable components that accelerate adoption enterprise-wide.

The urgency is further driven by growing familiarity and comfort with AI tools at an individual level. A striking 90%+ of tech executives report using AI tools personally, ranging from drafting emails to querying internal datasets via natural language interfaces. This hands-on engagement at the leadership level has increased pressure on teams to find meaningful, scalable applications.

3

Strategic AI
Execution

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

I. Enterprise AI: From Priority to Imperative

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3

Strategic AI
Execution

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

I. Enterprise AI: From Priority to Imperative

Insight Category	Statistic & Context
LLM Integration	80% of companies are actively using or integrating LLMs
GenAI Deployment (F500)	84% of Fortune 500 companies use GenAI in products or capability execution
Enterprise Exploration (10K+ employees)	59% of large enterprises are exploring or planning GenAI integrations
In-House Model Development	50% of organizations are building or tuning their own LLMs internally
Executive Personal Use (Tech vs. BFSI/Retail)	93% of tech executives use AI tools personally; 83% in BFSI and Retail
Insight Prioritization	89% of leaders rate AI-powered insights as a top strategic priority
Automation Focus (<10K employees)	87% of smaller companies prioritize automating customer interactions
Personalization Emphasis (F500 vs. Non-F500)	76% of F500 companies prioritize AI-driven personalization vs. 62% of non-F500 firms
Core Workflow Integration (Priority List Cos.)	84% of high-priority companies are integrating GenAI into core workflows

3

Strategic AI
Execution

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

II. Strategic Goals & Adoption Drivers

Enterprise leaders in 2025 are no longer simply experimenting with AI—they are investing in it with purpose. The emphasis has decisively shifted from "what GenAI can do" to "what GenAI must do" to drive measurable business outcomes. Across all sectors, AI initiatives are increasingly benchmarked against the same hard metrics as any core technology investment: ROI, operational efficiency, customer satisfaction, and speed-to-value.

According to the 2025 industry research study, return on investment (ROI) is the most critical success metric for AI initiatives, cited as extremely or very important by 91% of leaders surveyed. But that's not where the accountability ends. Customer satisfaction (85%), executive buy-in (83%), and operational efficiency (82%) also rank among the top metrics by which AI's impact is being evaluated.

This realignment around outcomes has emerged from hard-earned lessons. In the same study, 43% of business leaders acknowledged that their 2024 AI initiatives fell short of expectations, a finding consistent across industry and seniority segments. The primary culprits? Misaligned objectives, integration drag, hallucination risk, and inconsistent executive sponsorship. These findings have catalyzed a more disciplined approach to AI investment, where strategy alignment and execution accountability are non-negotiables.

3

Strategic AI
Execution

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

II. Strategic Goals & Adoption Drivers

Top Enterprise AI Objectives in 2025

% rating as “extremely” or “very important”

Strategic Objective	% of Respondents
AI-powered insights & decision support	89%
Operational efficiency	89%
Cost reduction	85%
Accelerating innovation	83%
Automating customer interactions	82%
Customer experience personalization	76% (F500: 84%)
Content generation	64% (F500: 66%)
Risk mitigation and regulatory resilience	59% (BFSI: 79%)

3

Strategic AI
Execution

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

II. Strategic Goals & Adoption Drivers

Segment Differences

- F500 companies over-index on personalization and content generation due to their scale and customer reach.
- Smaller companies (<10K employees) emphasize automating customer interactions (87%) and personalization (79%) to drive efficiency with leaner teams.
- Tech firms are significantly more likely to rank innovation and R&D as critical goals (90%) compared to Retail (89%) and BFSI (80%).
- Younger executives (<45 years) value sustainability and content creation more, while senior leaders prioritize compliance, cybersecurity, and innovation tracking.

3

Strategic AI
Execution

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

III. Measuring AI Success: ROI Above All

As AI transitions from experimental to essential, business leaders are sharpening their focus on how success is defined and measured. The days of vague innovation metrics and vanity use cases are over—executives now demand clear returns, tangible business value, and ongoing accountability from their AI investments.

Top Metrics Used to Measure AI Success

(% rating each as “extremely/very important”)

Success Metric	% of Respondents
Return on investment (ROI)	91%
Customer satisfaction/engagement	85%
Executive buy-in/support	83%
Operational efficiency	82%
Innovation index	60%
Market share growth	61%
Employee adoption of AI tools	59%
Time-to-value	56%

3

Strategic AI
Execution

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

III. Measuring AI Success: ROI Above All

ROI as a Forcing Function

Finance leaders are requiring business cases up front and performance tracking post-launch. Common targets include:

- Cost-to-serve reduction (e.g., automating Tier-1 support)
- Productivity gains in legal, finance, and product
- Faster cycle times in underwriting, procurement, and audits
- Increased conversion or reduced abandonment in e-commerce

Composite Success Models

High-performing organizations measure success using multi-dimensional models that include:

- **Core metrics:** ROI, cost savings, CX impact
- **Operational metrics:** Deployment speed, SLA compliance, system uptime
- **Governance metrics:** Prompt audits, compliance logs, bias tracking
- **Adoption metrics:** Usage rates, team feedback, NPS

3

Strategic AI
Execution

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

IV. Sector Benchmarks

Enterprise AI adoption is not unfolding uniformly—each industry faces unique regulatory, operational, and infrastructure pressures. Below are sector-specific maturity profiles and challenges:

Banking, Financial Services & Insurance (BFSI)

Execution Profile: Risk-calibrated scale with embedded human oversight

- 80%+ have deployed GenAI in risk, compliance, and underwriting
- 79% cite data protection as a top priority
- 51% name regulatory constraints as the #1 barrier

Execution Focus:

- Audit-ready systems
- Human-in-the-loop workflows
- Integration with legacy banking infrastructure
- Trusted partners with regulatory fluency

3

Strategic AI
Execution

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

IV. Sector Benchmarks

Technology

Execution Profile: Fast-paced innovation with internal development preference

- 93% of tech leaders use GenAI personally
- 90% cite innovation velocity as the top goal
- Only 15% use external partners regularly

Execution Focus:

- Building proprietary copilots
- Open-source orchestration stacks
- Agent benchmarking and retraining infrastructure

3

Strategic AI
Execution

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

IV. Sector Benchmarks

Retail & Consumer

Execution Profile: High-velocity, customer-facing personalization at scale

- 67% are using GenAI in production
- 59% apply AI to profitability and customer lifetime value
- 97% are open to external collaboration

Execution Focus:

- Rapid experimentation for content, CX, and dynamic pricing
- Seamless integration with campaign systems
- Explainable models for promotions and personalization

3

Strategic AI
Execution

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

IV. Sector Benchmarks

Comparative Snapshot

Attribute	BFSI	Tech	Retail
GenAI Deployment Rate	80%+	79%	67%
Primary AI Goal	Risk, compliance	Innovation velocity	Personalization, CX
Top Barrier	Regulatory compliance (51%)	Model stability	Strategic clarity
External Partner Openness	98% (high scrutiny)	85% (low reliance)	97% (outcome-first)
Execution Style	Compliance-first, iterative	Experimentation-forward	Speed-to-impact
Primary KPI	Audit readiness, cost-efficiency	R&D velocity, time-to-value	Conversion rate, operational efficiency

3

Strategic AI
Execution

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

V. Why AI Execution Still Fails

Despite record-high enterprise adoption, 43% of leaders say their AI initiatives underperformed in 2024. These shortfalls often stem from execution challenges, not model maturity.

Leading Causes of Failure (2025 Study)

Execution Challenge	% Impacted
Data privacy and security gaps	46%
High implementation costs	40%
Regulatory and legal constraints	36% (51% BFSI)
Model accuracy or reliability issues	28% (notably higher in Tech)
Lack of clear business objectives	27% (notably higher in Retail)
Poor data quality	24%
Legacy system integration	22%
Shortage of AI-literate product owners	19%
Decentralized governance	18%

3

Strategic AI
Execution

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

V. Why AI Execution Still Fails

Common Pitfalls

- **Pilot purgatory:** promising experiments never scale
- **Overbuilding:** investing heavily before validating user needs
- **Weak change management:** lack of adoption and frontline trust
- **Disconnected teams:** data science, engineering, and business misaligned

Key Enabler: Embedded Execution Talent

Organizations that succeed treat AI as a product, embedding technical, domain, and operational stakeholders from the start. Execution maturity is often more predictive of success than model complexity.

3

Strategic AI
Execution

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

VI. Traits of High-Performing Organizations

Top performers consistently turn GenAI initiatives into measurable business value. Common traits include:

Traits	Description
Anchoring to Business KPIs	Initiatives start with a business metric (e.g., churn, underwriting time, cost-to-serve).
Embedded Cross-Functional Pods	Pods include PMs, engineers, analysts, and domain leads—co-owning delivery.
Purposeful Pilots	6–10 week pilots focus on a single KPI and iterate with structured user feedback.
System Integration	AI outputs plug directly into CRMs, ERPs, and other platforms. Stat: Integrated projects see 2× faster time-to-value.
Continuous Governance	Live monitoring, bias audits, and prompt evaluation pipelines are built-in, not afterthoughts.
Workforce Enablement	AI literacy programs and role-specific tools build readiness and trust, driving adoption.

3

Strategic AI
Execution

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

VI. Traits of High-Performing Organizations

Summary Checklist: High-Performance AI Execution

Practice	Description
Business KPIs at the Core	Defined up front, tied to financial or operational impact
Cross-Functional Pods	Product + Data + Domain teams execute together
Purposeful Pilots	Scoped duration and metric targets with user feedback
Systems Integration	AI built into real tools—not side dashboards
Continuous Governance	Monitoring, compliance, prompt evaluation baked into MLOps
Organizational Enablement	AI champions, adoption incentives, and change agents

3

Strategic AI
Execution

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

VII. External Partnerships: What Matters Most

80% of surveyed organizations use external AI partners—often to accelerate time-to-value or de-risk scale.

Top Selection Criteria (% Extremely/Very Important)

Attribute	% of Respondents
Technical expertise	91%
Proven success in similar use cases	88%
Industry-specific knowledge	86%
Cost transparency	82%
Data privacy & compliance standards	80%
System integration capabilities	79%
Cultural & workflow compatibility	71%

3

Strategic AI
Execution

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

VII. External Partnerships: What Matters Most

Industry Behavior

- **BFSI:** High scrutiny, requires audit-ready partners with regulatory expertise
- **Tech:** Internal-first mindset, partners only for cutting-edge orchestration
- **Retail:** Leans on partners to move quickly and reduce resource strain

Effective Collaboration Models

- Embedded pods inside client sprint cycles
- Outcome-aligned engagements tied to KPIs, not hours
- Knowledge transfer and co-ownership to reduce dependency
- Transparent governance with security protocols from day one

3

Strategic AI
Execution

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

VIII. What's Changed Since 2024

Between 2024 and 2025, enterprise AI strategy has matured significantly:

Category	2024	2025
Business KPIs at the Core	Pilot-heavy, hype-led	Execution-led, outcome-focused
Executive Ownership	CIO/CTO, Innovation	COO, CFO, Product & Risk
Governance	Ad hoc	Structured, with observability
Workforce Strategy	Headcount reduction	Role augmentation, AI fluency
Use Case Strategy	Wide experimentation	Focused portfolio with metrics
Success Metrics	Innovation, speed	ROI, CX, cycle-time, adoption
Risk Strategy	Basic security	Proactive compliance
Partner Expectations	Technical showcase	Results-led, with industry fluency
Executive Sentiment	Excited but naive	Grounded and ROI-focused

This shift reflects stronger execution muscle, growing cross-functional collaboration, and rising expectations from leadership

3

Strategic AI
Execution

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

XI. Conclusion: From Pilot to Proof

In 2025, AI is no longer a tech experiment—it's a strategic, operational, and financial imperative. The difference between stalled pilots and scaled systems comes down to execution clarity:

- Clarity of outcomes
- Embedded execution talent
- Measurable, pilot-to-product workflows
- Production-first architecture
- Workforce alignment and change readiness
- Pragmatic use of external collaborators

High-performing enterprises in BFSI, Tech, and Retail are treating AI as a core system, not a side initiative. They're measuring what matters, delivering real results, and evolving their operating models around intelligent systems.

3

Strategic AI
Execution

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

Call to Action

[Talk to a Turing Strategist](#)

Explore how Turing Intelligence helps BFSI, Tech, and Retail enterprises:

- Scope, build, and scale GenAI initiatives
- Embed AI-native pods within cross-functional product teams
- Deliver ROI while managing compliance, governance, and integration complexity

4

Call to Action

About Turing

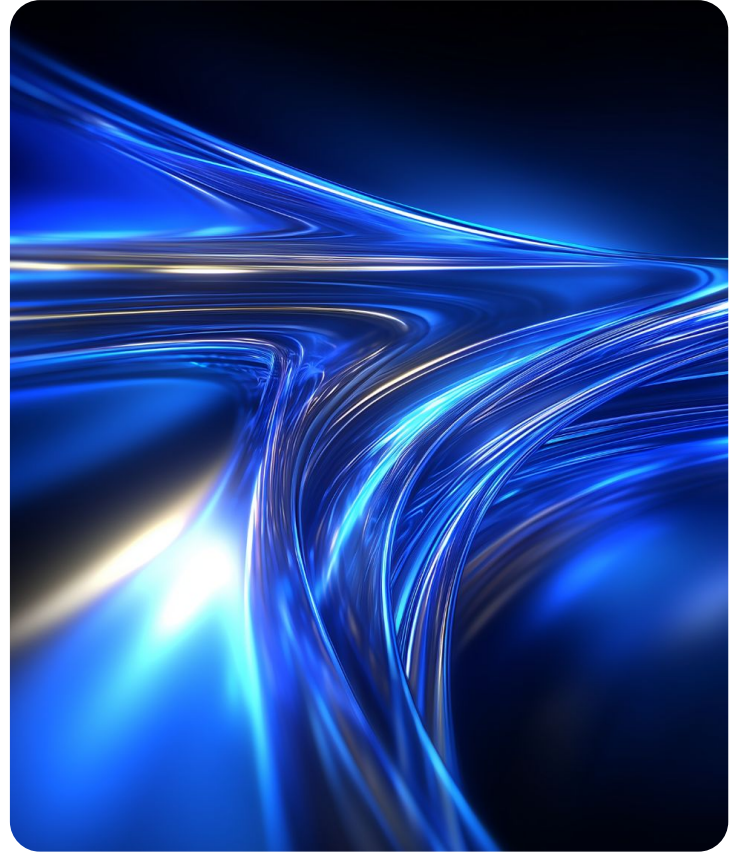
Turing is one of the world's fastest-growing AI companies accelerating the advancement and deployment of powerful AI systems.

It helps customers in two ways: Working with the world's leading AI labs to advance frontier model capabilities in thinking, reasoning, coding, agentic behavior, multimodality, multilinguality, STEM and frontier knowledge; and leveraging that work to build real-world AI systems that solve mission-critical priorities for companies.

Turing—based in San Francisco, California—was named #1 on The Information's annual list of "Top 50 Most Promising B2B Companies," and has been profiled by Fast Company, TechCrunch, Reuters, Semafor, VentureBeat, Entrepreneur, CNBC, Forbes, and many others. Turing's leadership team includes AI technologists from Meta, Google, Microsoft, Apple, Amazon, X, Stanford, Caltech, and MIT.

For more information, visit turing.com/intelligence

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CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

VI. Traits of High-Performing Organizations

Top performers consistently turn GenAI initiatives into measurable business value. Common traits include:

1. Anchoring to Business KPIs

Every initiative begins with a business metric—e.g., churn reduction, underwriting time, or cost-to-serve.

Stat: 89% of top performers define success KPIs before development begin

2. Embedded Cross-Functional Pods

Execution pods include product managers, engineers, analysts, and domain leads, co-owning the build.

3. Purposeful Pilots

Pilots have single KPIs, 6–10 week timelines, and structured iteration loops with user feedback.

3

Strategic AI
Execution

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

VI. Traits of High-Performing Organizations

4. System Integration

High-performers avoid “shadow systems.” AI outputs feed directly into operational platforms (CRMs, ERPs, etc.).

Stat: Integrated projects report 2× faster time-to-value.

5. Continuous Governance

Live model monitoring, bias auditing, and prompt evaluation pipelines are standard, not afterthoughts.

6. Workforce Enablement

From AI literacy programs to role-specific tools, adoption is driven by readiness and trust, not mandates.

3

Strategic AI
Execution

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

Call to Action

Call to Action

Call to Action

Call to Action

Call to Action

Call to Action

Call to Action

Call to Action

VIII. How Turing Intelligence Supports

Enterprise-Grade AI Execution

Enterprises across BFSI, Tech, and Retail increasingly recognize that AI success is not about choosing the right model—it's about operationalizing that model inside the business. That's where Turing Intelligence delivers differentiated value.

Built for Execution, Not Just Exploration

Unlike traditional vendors or platform providers, Turing Intelligence was designed to close the gap between AI strategy and execution. From GenAI alignment to full-system delivery, Turing Intelligence embeds execution-grade capabilities where they matter most.

3

Strategic AI
Execution

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

VIII. How Turing Intelligence Supports

Three Ways Turing Intelligence Delivers Value:

- **Embedded Execution Pods**
Turing provides fully embedded, cross-functional teams—AI engineers, product strategists, and domain experts—who integrate with enterprise workflows, tools, and sprint cycles.
- **KPI-Driven Build Methodology**
Every initiative is scoped around measurable business metrics—whether reducing underwriting cycle time, increasing automation throughput, or improving personalization ROI.
- **Compliance-Ready Infrastructure**
Turing's delivery model includes system-level governance, explainability protocols, and human-in-the-loop feedback pipelines to meet the demands of regulated industries and high-stakes use cases.

3

Strategic AI
Execution

CONTENTS

JUMP TO SECTION

Executive Summary

About the Research

Strategic AI Execution

Call to Action

VIII. How Turing Intelligence Supports

Outcome in Focus

Organizations leveraging Turing Intelligence report:

- Faster time-to-value across production initiatives
- Increased internal adoption from team-aligned delivery
- Reduced execution risk due to continuity from strategy through deployment

Whether building an audit-ready AI underwriting engine, deploying a real-time pricing agent, or embedding LLM copilots into developer workflows, Turing Intelligence helps enterprises execute AI with speed, trust, and measurable ROI.

3

Strategic AI
Execution