

The Strategic AI Maturity Model:

A Roadmap for Driving AI Value at Scale



The following stages of information will guide you through the roadmap:

Introduction	Part 1	Part 2	Part 3	Conclusion
Executive Summary	The AI Maturity Model <ul style="list-style-type: none">• Foundation• AI Digitized Operations• AI Orchestration	AI Automation Framework <ul style="list-style-type: none">• Access• Analyze• Act	5 Value Drivers of Implementation <ul style="list-style-type: none">• Process Mapping• Labor Automation• Digitization• Schemaless Data Acquisition• Execution	Conclusion <ul style="list-style-type: none">• Culture and The Human Element• Considerations• Summary

Executive Summary

The Strategic AI Maturity Model presents a guide for organizations from initial AI experimentation to enterprise-wide value creation and provides pragmatic insights to help develop enterprise AI strategies:

- 1. Where is your organization in the AI Maturity Model?** (Systems Foundation (Crawl), Digitized operations (Walk), AI Orchestration (Run))
- 2. What needs to be done?** The AI Automation Framework provides a process (Access, Analyze, Act) that can be applied to any business Problem.
- 3. How to do it?** The five critical value drivers for successful implementations.

This approach can deliver transformative improvements, and enables leaders to systematically advance from fragmented AI initiatives to orchestrated intelligence networks that drive sustainable competitive advantage at scale.

Enterprise AI Value Examples:

35% 

Productivity gains

(McKinsey)

40% 

Operational speed Gain

(Forrester Research)

25% 

Costs reduction with Automation

(Deloitte Insights)

AI has the potential to deliver

\$13

Trillion

In economic activity

In today's rapidly evolving technological landscape, artificial intelligence (AI) has emerged as a transformative force reshaping business operations across industries.

AI has the potential to deliver additional global economic activity of around \$13 trillion by the year 2030, an annual average contribution to productivity growth of about 1.2 percent¹.

Yet, despite this enormous potential, many organizations struggle to systematically capture AI's full value, with implementations often fragmented and returns inconsistent.

McKinsey Global Institute

Part 1

Strategic AI Maturity Model

- Understanding the Stages
- Foundation Systems
- Digitized Operations
- AI Orchestration

80%
of enterprise AI
projects fail to
deliver.

McKinsey

The traditional approach to AI adoption has been fragmented, with individual teams implementing point solutions that capture only a fraction of AI's potential value.

Despite substantial investments, approximately 80-85% of enterprise AI projects fail to deliver on their intended business outcomes.

"The complexity of AI implementations, data quality issues, skill gaps, and organizational resistance often create an environment where technical solutions exist but business value remains elusive." - McKinsey Global Institute

Our research reveals that sustainable AI transformation requires a methodical progression through distinct maturity levels, each building upon the successes of the previous stage.

Stage 1: Foundational Systems



At this initial stage, organizations operate with a mix of digital and paper-based processes. AI experimentation is limited to individual employees without systematic value capture.

Key characteristics include:

- Organizations operate with a mix of digital and paper-based processes
- AI experimentation is limited to individual employees without systematic value
- Processes lack consistency and are not optimized for AI integration
- Digital transformation efforts are localized and fragmented

Research by MIT Sloan indicates that 85% of executives believe AI will help their companies gain or sustain competitive advantage, yet only 38% have an AI strategy in place⁵, placing the majority of organizations at this foundational stage.

Primary Challenge: Converting isolated experiments into repeatable processes that can deliver consistent value.

Key Indicators Include:

Software	Data	AI Usage	Value
Core Non-AI Systems in place	Multi-Sources & Ad-hoc Processes Block AI	Individual Workers & Data Science Experiments	Going Primarily to Individual Workers

Stage 2: AI Digitized Operations



Stage 2 Companies get

25%

Better ROI than Stage 1

At this intermediate stage, digital workflows and structured data management become consistent across teams, enabling more coordinated AI initiatives:

- Digital workflows and structured data management become consistent
- Initial departmental coordination emerges, fostering collaboration
- Shared AI repositories allow reuse of tools and early productivity gains
- AI Value creation begins but remains siloed within specific departments

According to IDC, organizations that have reached this stage typically see ROI improvements of 25% over those in the Foundation stage⁶, demonstrating the tangible benefits of evolving beyond initial experimentation.

Primary Challenge: Connecting departmental AI initiatives into an enterprise-wide intelligence system.

Key Indicators Include:

Software	Data	AI Usage	Value
All Ad-hoc Processes Digitized	Consistent Strategy and Data Governance	Cross Departmental Coordination/Governance	Basic Value & ROI Measurement

Stage 3: AI Orchestration



Stage 3 Companies get
45% increase in
Operational Effectiveness

At this advanced stage, organizations achieve systematic AI integration across the enterprise with orchestrated workflows:

- Transition to systematic AI integration across the enterprise workflows
- Human-AI collaboration patterns are defined and scaled organization-wide
- AI success stories become templates for further deployment and scaling
- End-to-end AI orchestration manages processes with high efficiency
- Self-organizing human-AI networks drive maximum productivity

PwC research suggests that companies that reach this stage can expect to see a 45% increase in operational effectiveness compared to industry averages⁷, creating substantial competitive advantage.

Primary Outcome: Sustained competitive advantage through continuous optimization of AI-powered processes.

Key Indicators Include:

Software	Data	AI Usage	Value
AI Automation & Human in the Loop Processes	Systematic Structured & Unstructured Integration	Universal Analysis, Actions & Automation	Organization-Wide ROI & Value Visibility

The Evolution of Enterprise AI Capabilities

As organizations progress through these maturity stages, they develop increasingly sophisticated capabilities:



1. Foundation

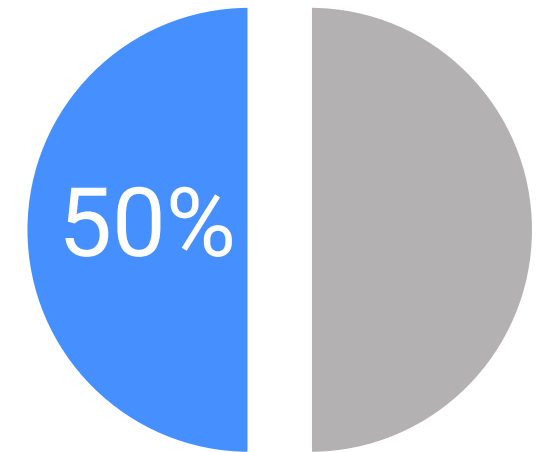


2. Digitized Operations



3. AI Orchestration

Productivity Gains
Up to



Accenture

Successfully navigating these transitions can achieve productivity gains up to 50% in key operational areas, significantly outperforming competitors who remain in earlier maturity stages. According to Accenture, AI has the potential to boost business productivity by up to 40% by 2035⁸, but only for organizations that successfully advance to higher maturity levels.

Part 2

AI Powered Automation Framework

- Access
- Analyze
- Act

Organizations Spend

70%

Of Data Science Efforts on Data Preparation

Modern enterprises generate unprecedented amounts of valuable data, but this wealth of information often remains locked in silos.

True transformation follows a consistent pattern that starts with access, moves through analysis, and culminates in action.

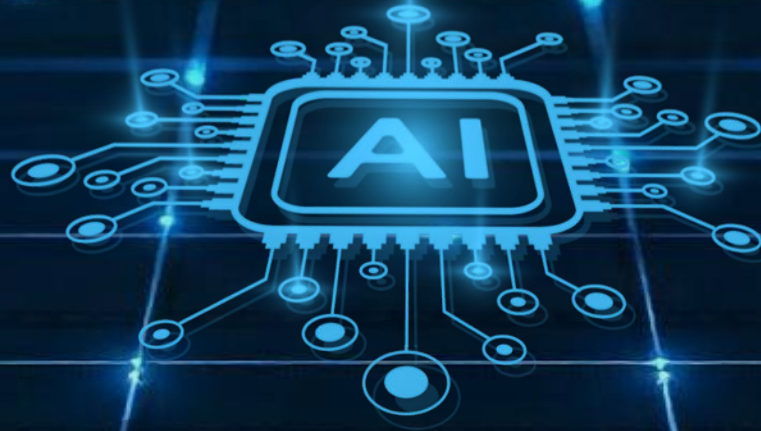
The **Access + Analyze + Act** pattern represents a fundamental evolution in enterprise AI capabilities, providing a complete structured approach to unlocking value.

Let's explore how this integrated approach is revolutionizing business operations.

The Access-Analyze-Act Framework



3. ACT: APPS BUILDER



2. ANALYZE: AGENTIC ORCHESTRATION AGENT

NoSQLAI™



Schemaless *Ingest*™

1. ACCESS: Real-World DATA ACQUISITION/INDEXING

Access: AI Breaks Down Information Barriers



Before AI can deliver insights, it needs comprehensive access to enterprise knowledge through unified data integration and real-time context management.

Unified Data Integration: Organizations store critical information across dozens of systems—from customer databases to support tickets to operational logs. The Access phase creates a unified view across these sources, ensuring AI has the complete context it needs to deliver valuable insights.

Real-time Context Management: Business data isn't static. The Access phase maintains live connections to information sources, ensuring analyses and recommendations reflect current reality, not outdated snapshots.

According to IBM, “**Organizations spend up to 80% of their data science efforts on data preparation**”⁹.

Tools like Praxie’s **SchemalessIngest™** in the Access phase of the framework reduce this burden dramatically by creating unified, context aware, real-time connections to enterprise data sources.

Analyze: AI Groups, Prioritizes & Finds Root Causes



With comprehensive access established, AI can identify patterns and priorities with unprecedented accuracy through intelligent grouping and strategic prioritization.

Intelligent Grouping: The AI examines the unified data landscape to identify significant patterns and trends. Whether dealing with product returns, customer feedback, or operational metrics, the system spots important patterns that demand attention.

Strategic Prioritization: Each identified issue is evaluated against key business metrics—revenue impact, customer satisfaction, operational efficiency, and resource constraints. This creates an intelligent priority queue that focuses teams on the most valuable opportunities.

Root Cause Analysis: For each priority issue, AI examines potential causes using the organization's complete operational context. Teams receive evidence-backed recommendations they can trust.

Implementation Example: A quality control team that previously handled hundreds of individual defect reports now uses AI to identify that 40% of reports stem from three root causes. The system automatically prioritizes these issues based on production impact, allowing teams to focus on systemic solutions rather than case-by-case fixes.

Act: *AI Helps People Automate and Run Business Processes*



This is where potential transforms into results, as the system converts insights into executable plans through root cause analysis, solution development, implementation planning and execution.

AI Powered Suggestions: AI provides recommendations based on industry best practices and proven solutions from global and internal successes. These systems represent a paradigm shift in problem identification and resolution, adapting to changing data environments and uncovering complex, interdependent issues that might otherwise remain hidden.

Implementation Planning: Selected solutions automatically generate detailed project plans with practical timelines, resource allocations, and progress tracking—everything needed to move from decision to action.

Execution Management, Alerts and Automation: AI actively monitors business operations, triggering timely alerts for process deviations and automatically executing critical actions—from updating project statuses and assigning resources to adjusting ecommerce pricing, generating work orders, and dispatching field technicians, all while reducing manual intervention.

The Act phase converts analytics insights into concrete actions, visibility, alerts and accountability that drive financial performance.

Strategic Impact: The Power of Connected Intelligence

This "**Access + Analyze + Act**" pattern represents a fundamental evolution in enterprise AI capabilities:

Teams work with complete information
instead of partial views



"Organizations that provide cross-functional teams with comprehensive access to high-quality data see 3.2 times greater ROI on their AI investments" *Accenture*

Insights emerge from comprehensive
cross stack business context



"Our research indicates that AI-enhanced root cause analysis capabilities have enabled organizations to decrease issue recurrence by 47%" *Deloitte*

Actions align with organizational goals and
execution success



"Companies that implement intelligent action management throughout the AI project lifecycle reduce time-to-value by up to 60%" *McKinsey*

Every solution strengthens the intelligence
foundation



"AI systems that continuously learn from and adapt to their proprietary data ecosystems report 2.7x greater ROI than static implementations." *McKinsey*

Part 3

Five Value Drivers for Successful Implementations

1. Process mapping
2. Labor Automation
3. Digitization of Applications
4. Data Ingest & Analysis
5. Execution

Companies with consistent Implementation methods

3.1X

more likely to scale

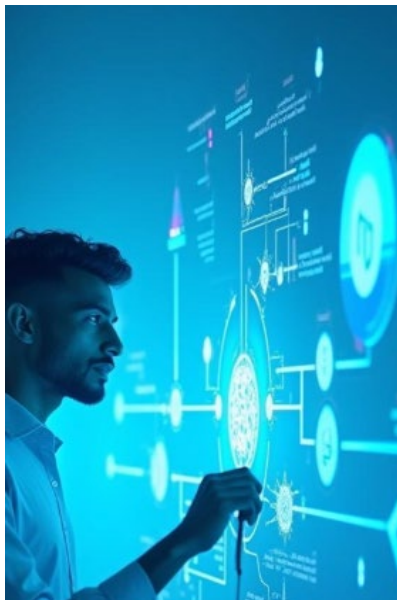
McKinsey

The Five Value Drivers of Successful Implementations

For AI to drive tangible business outcomes, implementations must focus on key value drivers that connect technology capabilities to operational performance. Based on our research across successful deployments, we've identified five critical value drivers that form the foundation of an All-in-One AI Solutions Platform.

"Our research indicates that companies with consistent, repeatable AI implementation methodologies are 3.1x more likely to scale AI beyond pilots and realize 58% greater business impact from their AI investments within the first 18 months." McKinsey

The Evolution of Enterprise AI Capabilities: While each value driver delivers significant benefits independently, the true power comes from their integration in an All-in-One AI Solutions Platform.



Processes Mapping

AI Process Generator



Best Practice
Process workflows,
Value Stream Maps,
Workflow Analysis...

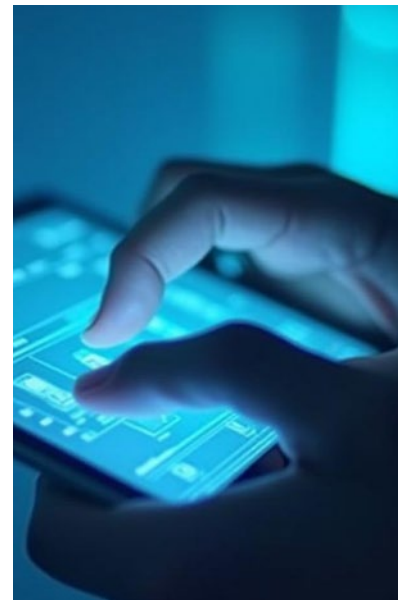


Labor Automation

AI Workflow Orchestrator



Order pdfs to ERP
Supplier Invoices to AP
Inspection reports to QMS
Tool Check list to Inventory...



Digitized Apps

AI Apps Designer



Huddleboards, Audits, Kaizen,
A3/8D/5Why, Fishbone VSM,
Gemba, Kata, Maintenance,
Testing Validation, Six Sigma...

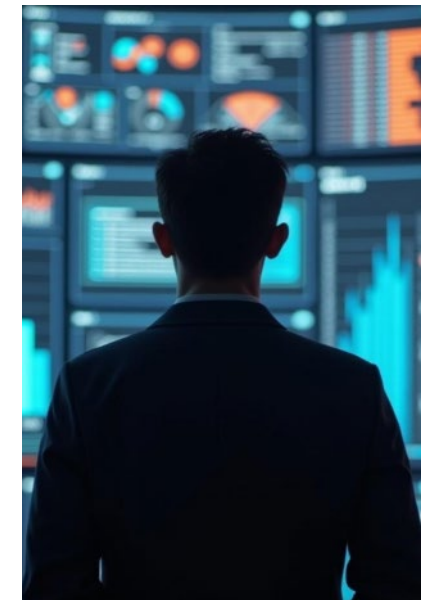


Analytics Automation

Schemaless Ingest™



AI Powered Scheduling
Downtime Analysis
Root-Cause Analysis
Supplier & RFP Analysis...



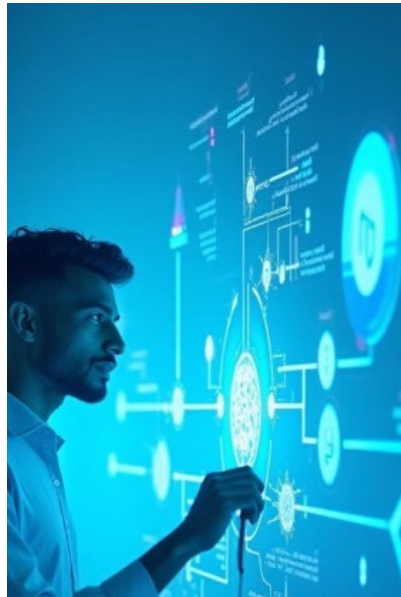
Execution

Command Centers



Dashboards, AI Analytics
Project Management
Automated Triggers
Workflows, Alerts...

1. Process Mapping: AI Process Generation



Processes Mapping AI Process Generator



Best Practice
Process workflows,
Value Stream Maps,
Workflow Analysis...

Core Capability: Intelligent mapping and optimization of business processes that creates the consistent and repeatable foundation for AI-enabled operations.

Examples:

- Best Practice Process workflows
- Value Stream Maps
- Workflow Analysis and optimization

Process mapping is the essential first step in AI transformation, creating visibility into how work actually flows through the organization. The AI Process Generator analyzes existing processes, identifies inefficiencies, and recommends optimized workflows that serve as templates for automation.

Research by Boston Consulting Group shows that organizations with mature process mapping capabilities achieve 33% higher implementation success rates for digital transformation initiatives¹³.

Typical Results:

- 40% increase in process speed
- 20% waste and cost savings
- 50% better visibility and decision-making

2. Labor Automation: AI Process Automation



Core Capability: Intelligent automation of routine manual tasks that frees human workers to focus on higher-value activities.

Examples:

- Order PDFs to ERP conversion
- Supplier invoices to AP processing
- Inspection reports to QMS integration
- Tool check lists to inventory management

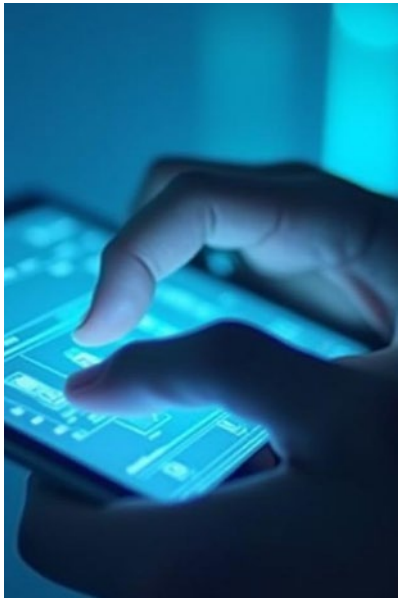
Labor automation focuses on eliminating repetitive, manual tasks that consume valuable employee time and introduce errors. The AI Workflow Orchestrator intelligently connects systems and automates information flow, reducing the need for manual intervention.

According to McKinsey, up to 30% of hours worked globally could be automated by 2030¹⁴, with the highest potential in predictable physical activities and data processing—precisely the focus of the AI Workflow Orchestrator.

Typical Results:

- 25% higher production efficiency
- 20% downtime reduction
- 10% overall cost reduction

3. Digitized Applications: AI Apps Design for process digitization



Digitized Apps AI Apps Designer



Huddleboards, Audits, Kaizen,
A3/8D/5Why, Fishbone VSM,
Gemba, Kata, Maintenance,
Testing Validation, Six Sigma...

Core Capability: Purpose-built applications that embed AI into specific business functions and operational processes.

Examples:

- Workflow process apps and digital collaboration tools
- Audits and compliance management
- Lean, Kaizen, A3/8D/5Why, and other methodology tools

Digitized apps transform traditional business processes with AI-powered capabilities that guide users through best practices. The AI Apps Designer creates purpose-built applications for specific business functions, incorporating intelligence directly into daily workflows.

Gartner research indicates that organizations leveraging purpose-built business applications see 40% higher user adoption and engagement compared to generic tools¹⁵.

Typical Results:

- 20% lower defects
- 15% lower cost of quality
- 25% better compliance

4. Analytics Automation: NoSQLAI Schemaless Ingest and Analysis



Analytics Automation Schemaless Ingest™



AI Powered Scheduling
Downtime Analysis
Root-Cause Analysis
Supplier & RFP Analysis...

Core Capability: Advanced analytics that turn complex data into actionable insights without requiring extensive data preparation.

Key Components:

- AI-powered scheduling
- Downtime analysis
- Root-cause analysis
- Supplier and RFP analysis

Analytics automation empowers organizations to extract insights from data regardless of format or structure. The NoSQLAI Schemaless Ingest capability eliminates the need for extensive data preparation, allowing immediate analysis of virtually any information source.

IDC predicts that by 2025, organizations that invest in intelligent information management solutions will achieve a 60% improvement in worker productivity¹⁶, driven largely by advanced analytics automation.

Typical Results:

- 30% faster inventory turnover
- 15% better supplier performance
- 10% faster order fulfillment

5. Execution: Operational Command Centers



Execution Command Centers



Dashboards, AI Analytics
Project Management
Automated Triggers
Workflows, Alerts...

Core Capability: Comprehensive visibility and control over AI-powered operations through unified dashboards and management tools.

Example Components:

- Dashboards and AI analytics
- Project management
- Automated triggers
- Workflows and alerts

Execution capabilities ensure that AI insights translate into coordinated action across the organization. Operational Command Centers provide leaders with visibility into performance, automatically coordinate responses to issues, and track outcomes.

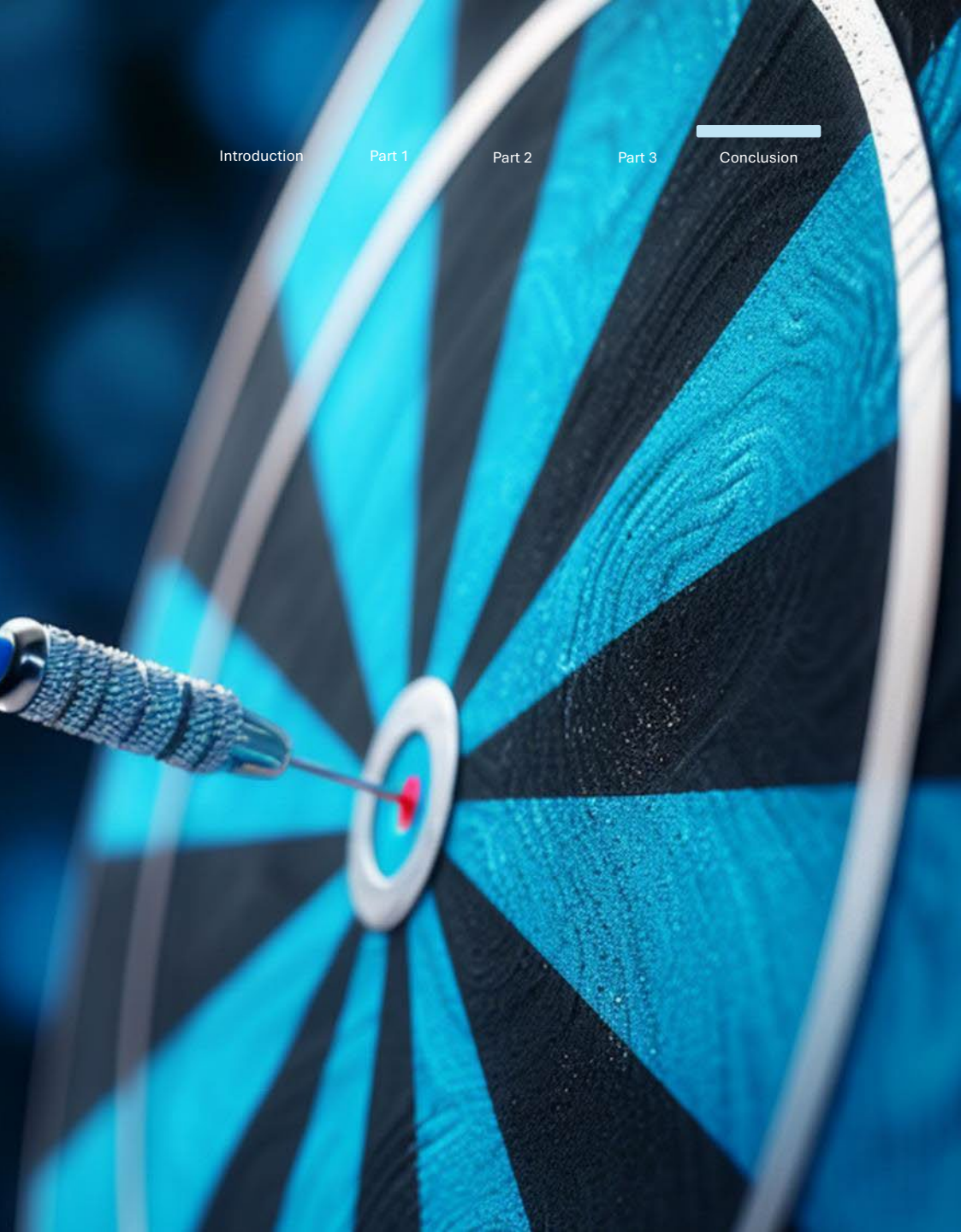
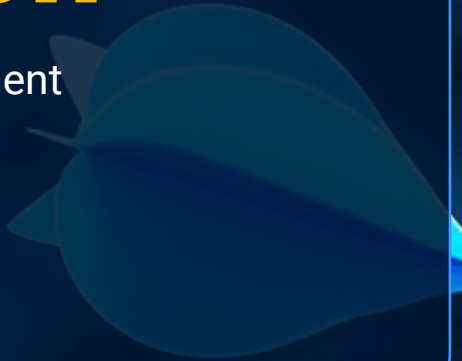
According to Accenture, companies with strong execution capabilities are 2.8x more likely to achieve breakthrough performance in their digital transformation initiatives¹⁷.

Typical Results:

- 35% faster decision making
- 20% better operational efficiency
- 10% cost reduction

Conclusion

- Culture & The Human Element
- Considerations
- Summary



The Human Element: People-Centered AI Transformation



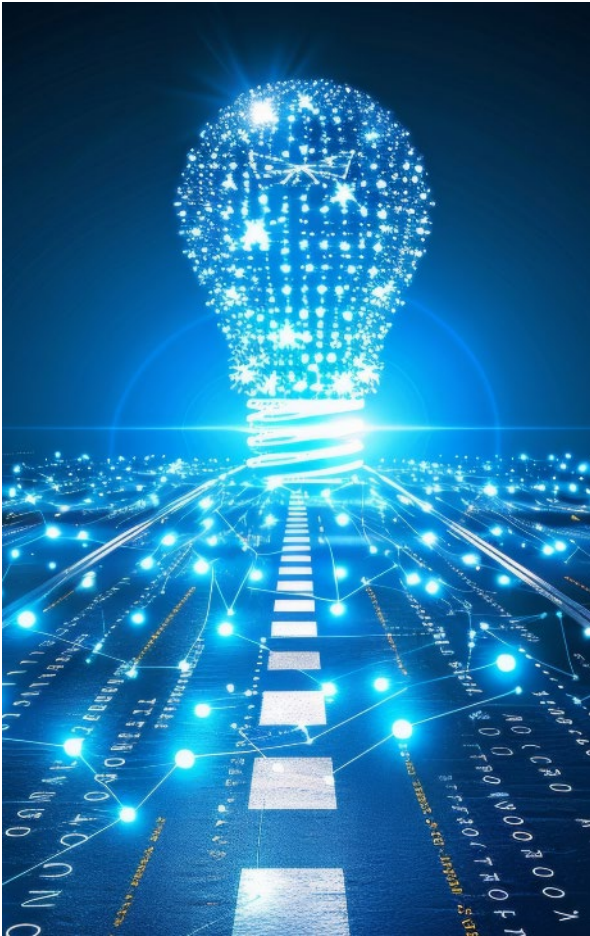
While technology and frameworks matter, successful AI transformations put people at the center. PwC reports 72% of business leaders see AI as a "business advantage"¹⁸, but this requires an engaged workforce that embraces AI's potential.

Building the Right Team: AI success depends on diverse teams combining technical expertise, domain knowledge, and change management skills. McKinsey found cross-functional teams achieve 67% higher success rates for digital transformations¹⁹.

Involving the Entire Organization: AI cannot remain isolated in IT departments. Organizations must create data-driven cultures across all levels. Deloitte research shows companies with pervasive AI adoption were 1.9 times more likely to achieve objectives²⁰.

Continuous Learning and Adaptation: As AI evolves, workforce skills must keep pace. Successful organizations invest in learning opportunities that help employees adapt to AI-enabled workflows and develop complementary skills for effective human-machine partnerships.

Considerations For Getting Started:



As you consider your own AI journey, we recommend:

1. Assessing your current AI maturity level across the organization
2. Identifying specific operational areas where the AI Powered Automation Framework could deliver immediate value
3. Prioritizing implementations that address multiple value drivers
4. Building a cross-functional team to lead the transformation
5. Developing change management approaches that engage the entire organization
6. Creating learning programs that help employees evolve alongside AI capabilities

Organizations that follow this strategic approach will be well-positioned to achieve the full promise of AI—not just as a technology enabler but as a fundamental driver of business transformation and competitive advantage.

Summary:



The Strategic AI Implementation Framework consists of three components:

1. The Strategic AI Maturity Model: *(Where is your organization?)*

Identifies your organization's current position:

1. Foundation *(Crawl)*
2. Digitized Operations *(Walk)*
3. AI Orchestration *(Run)*

2. The AI Powered Automation Framework: *(What needs to be done?)*

Is a consistent process for what needs to be done and uses an "Access + Analyze + Act" can be applied any process, no matter where you are in the maturity model.

3. The Five Value Drivers: *(How to do it?)* Ensures successful implementations that focus on areas with greatest potential for operational improvement.

By understanding your current position on the maturity spectrum—Foundation, Digitized Operations, or AI Orchestration—you can identify the most impactful next steps for advancement.

The logo for Praxie, featuring the word "Praxie" in a bold, blue, sans-serif font. A small yellow circle with three horizontal lines is positioned above the letter 'i'.

Praxie

A unified Platform for

**AI-Powered
Software Solutions**

www.praxie.com

© Praxie 2025

References

- ¹ McKinsey Global Institute, "Notes from the AI Frontier: Modeling the Impact of AI on the World Economy", 2018
- ² Forrester Research, "The Total Economic Impact of AI and Automation", 2023
- ³ Deloitte Insights, "State of AI in the Enterprise", 4th Edition, 2022
- ⁴ Gartner, "Top Strategic Technology Trends for 2023", 2022
- ⁵ MIT Sloan Management Review and Boston Consulting Group, "Reshaping Business with Artificial Intelligence", 2022
- ⁶ IDC, "FutureScape: Worldwide Artificial Intelligence 2023 Predictions", 2022
- ⁷ PwC, "Global Artificial Intelligence Study: Exploiting the AI Revolution", 2021
- ⁸ Accenture, "How AI Boosts Industry Profits and Innovation", 2022
- ⁹ IBM, "The Quant Crunch: How the Demand for Data Science Skills is Disrupting the Job Market", 2021
- ¹⁰ Harvard Business Review, "What Separates Analytics Leaders from Laggards?", 2023
- ¹¹ Bain & Company, "Predicting the Unpredictable: How Advanced Analytics is Transforming Decision Making", 2022
- ¹² Forrester, "The ROI of Digital Transformation", 2023
- ¹³ Boston Consulting Group, "Flipping the Odds of Digital Transformation Success", 2021
- ¹⁴ McKinsey Global Institute, "Jobs Lost, Jobs Gained: Workforce Transitions in a Time of Automation", 2023
- ¹⁵ Gartner, "Application Strategy for Digital Business", 2022
- ¹⁶ IDC, "Future of Work: Strategies for the Information-Driven Workforce", 2023
- ¹⁷ Accenture, "Fast-Track Digital Transformation", 2022
- ¹⁸ PwC, "AI Predictions: Five AI developments changing businesses", 2023
- ¹⁹ McKinsey, "The New Digital Edge: Rethinking Strategy for the Post-Pandemic Era", 2022
- ²⁰ Deloitte, "The Age of With: Humans with Machines", 2022