Next Wave AI:

VERTICAL, AGENTIC & AUTONOMOUS SYSTEMS IN INFORMATION MANAGEMENT

AI+IM GLOBAL SUMMIT

THE NEXT WAVE OF AI AND WHAT TO PREPARE FOR IN IM

1. Understanding AI Evolution
2. Vertical AI Applications
3. Agentic AI Systems
4. Autonomous AI

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Time For a Poll

How Familiar Are You With AI Today?

Raise of Hands

Very
Somewhat
A Little
It's All New

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The AI Revolution

65%

AI Adoption

Organizations report regularly using generative AI - (Forbes)

80%

Software Vendors

Embed GenAI capabilities into their Ent. Apps. by 2025 – (Gartner)

60%

Higher AI -Driven Revenue Growth

Leaders' Expectation to Maintain Competitive Position. - (BCG)

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VERTICAL AI – INDUSTRY -SPECIFIC APPLICATIONS

Specialized Solutions

Tailored for specific industry needs

Domain Expertise

Built with domain-specific knowledge

Data Foundation

Leveraging industry-specific datasets

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Vertical AI Market

35%

Global Venture Funding

As of Jan 2025, to AI with Industry Specific Application (National Law Review)

$421.9 B

Global Market

By 2030 with 24.8% CAGR – (Netguru)

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Vertical AI in Finance

85%

Financial Institutions

Globally use Vertical AI – (AllaboutAI)

70%

Reduction

Time Required to Document Suspicious Activity for Compliance – (Lucinity)

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Vertical AI in Finance

Use Case: AI-driven fraud detection and compliance automation.

Data Collection

Gathering transaction data

Pattern Analysis

Identifying unusual behaviors

Anomaly Detection

Flagging potential fraud

Prevention

Taking protective actions

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Vertical AI in Healthcare

Healthcare utilizes Vertical AI for managing patient records and assisting in diagnostics, improving patient outcomes.

37%

CAGR

By 2030 Global Market with hit $188 B– (Dialog Health)

20%

Reduction Due to AI

Administrative Workload for Doctors – (Dialog Health)

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Vertical AI in Healthcare

Patient Data Management

- Organize and analyze electronic health records
- Ensure data accuracy and accessibility
- Automated record updates
- Data integration across systems
- Privacy compliance monitoring

Diagnostic Assistance

- Image analysis for radiology
- Symptom pattern recognition
- Treatment recommendation support

Patient Record Automation

- Streamlined documentation and record-keeping systems
- Reduce administrative burden
- Improves accuracy & accessibility of medical records

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Vertical AI in Legal Services

Contract Analysis

AI systems review legal documents to identify key clauses, obligations, and potential risks

Legal Research

AI tools search through case law and legal precedents to find relevant information

Compliance Monitoring

AI systems track regulatory changes and ensure organizational compliance

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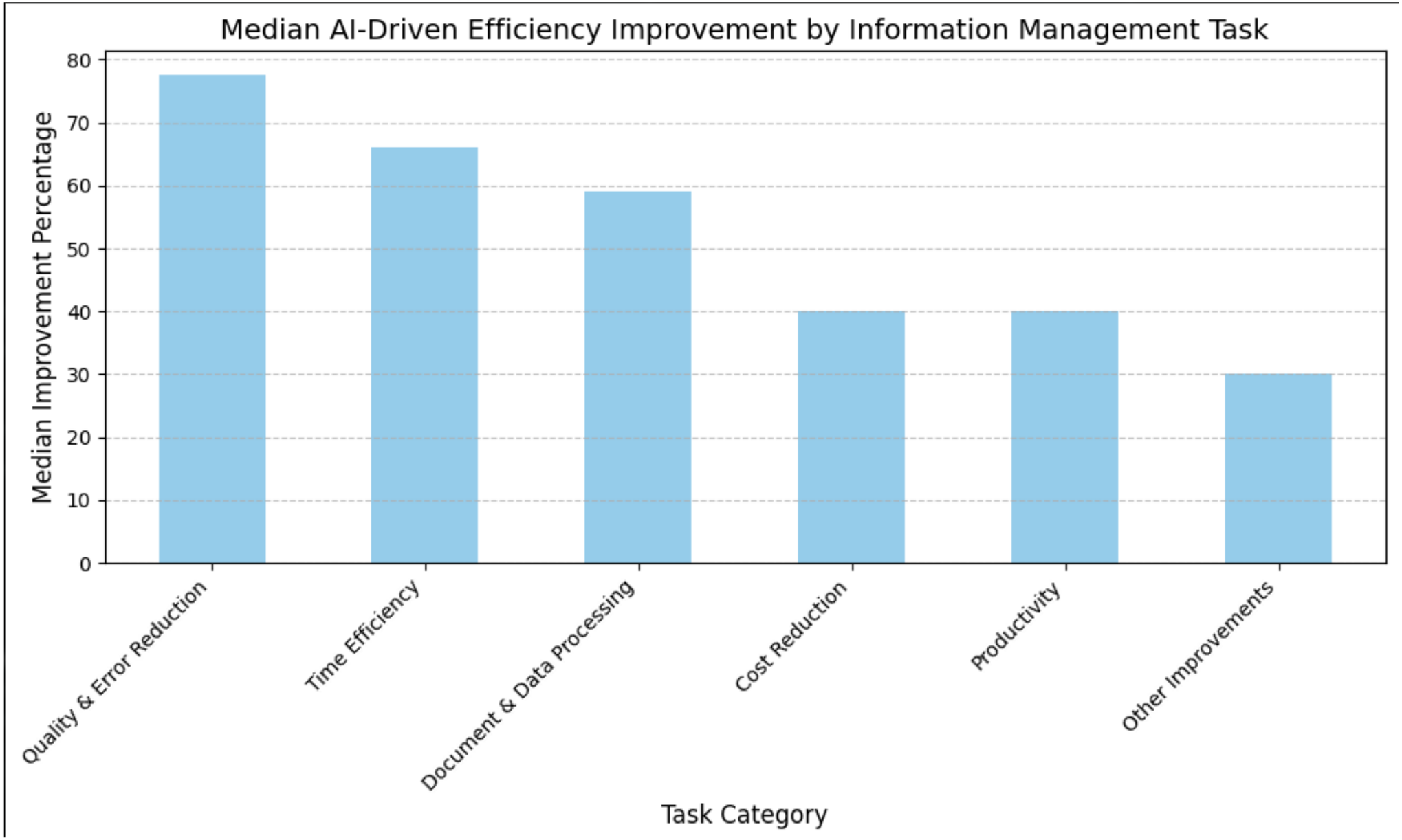
Vertical AI in Legal Services



38-140%
productivity
increase

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Vertical AI: Today

- Financial compliance monitoring
- Healthcare diagnostics
- Legal contract review

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Vertical AI: Near Future

- Regulatory frameworks
- Complex medical terminology
- Jurisdiction -specific legal precedents

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Vertical AI: Tomorrow

- Custom algorithmic market analysis
- Subspecialty diagnostics
- Cross -border legal compliance

Today’s Standalone AI - > Tomorrow’s Seamlessly Integrated, Deeply Specialized AI Systems

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Key Takeaways for IM Professionals (Vertical AI)

Industry -Specific AI Impact

Compliance Alignment

Bias Monitoring

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Other Implications for IM Professionals

Data Quality

Start address quality issues yesterday.

Process Integration

Aligning AI capabilities with existing workflows

Governance Requirements

Establishing oversight for AI-driven information systems

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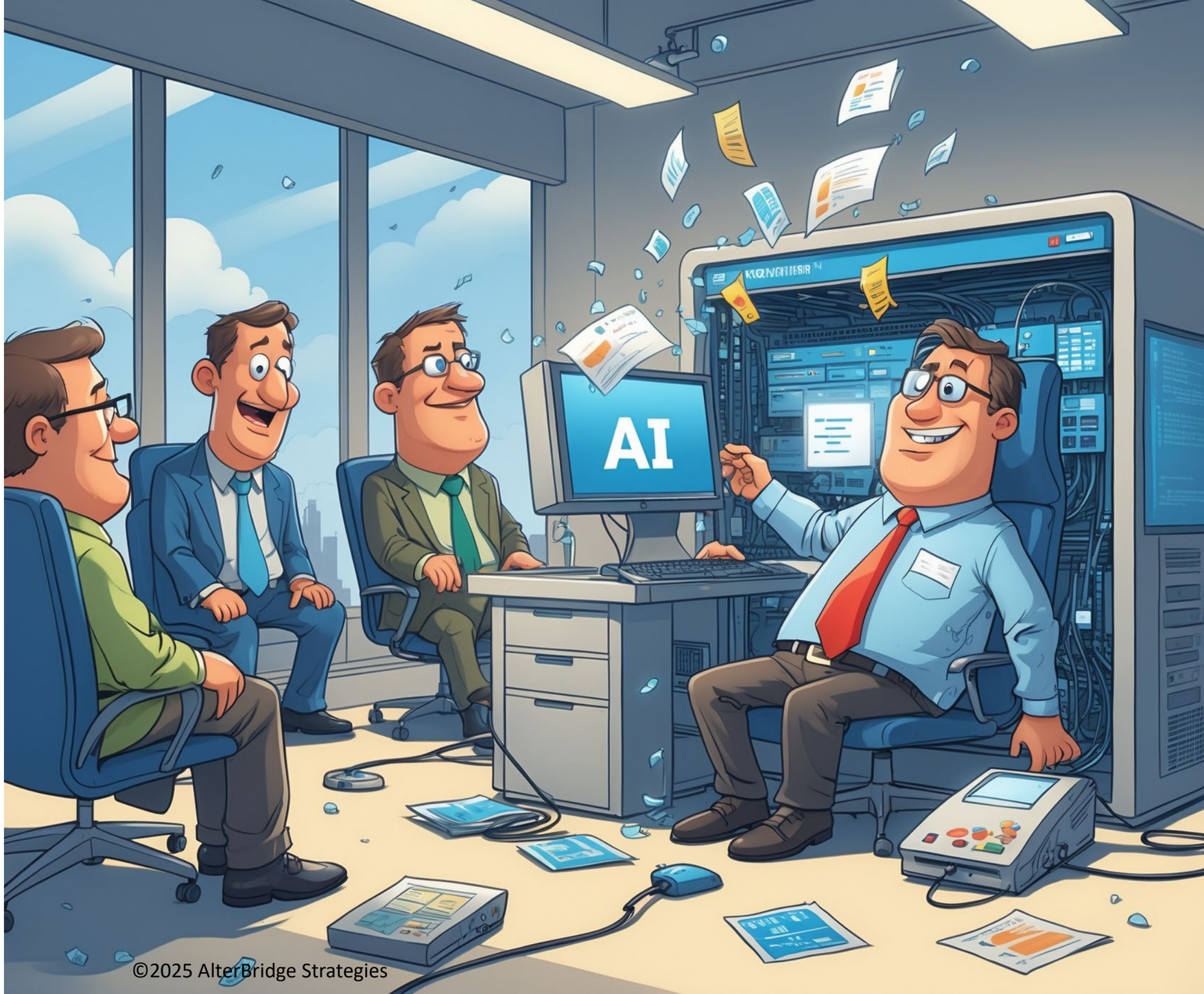
Time for a Poll

What do you perceive as the greatest challenge in adopting AI for IM and IG?



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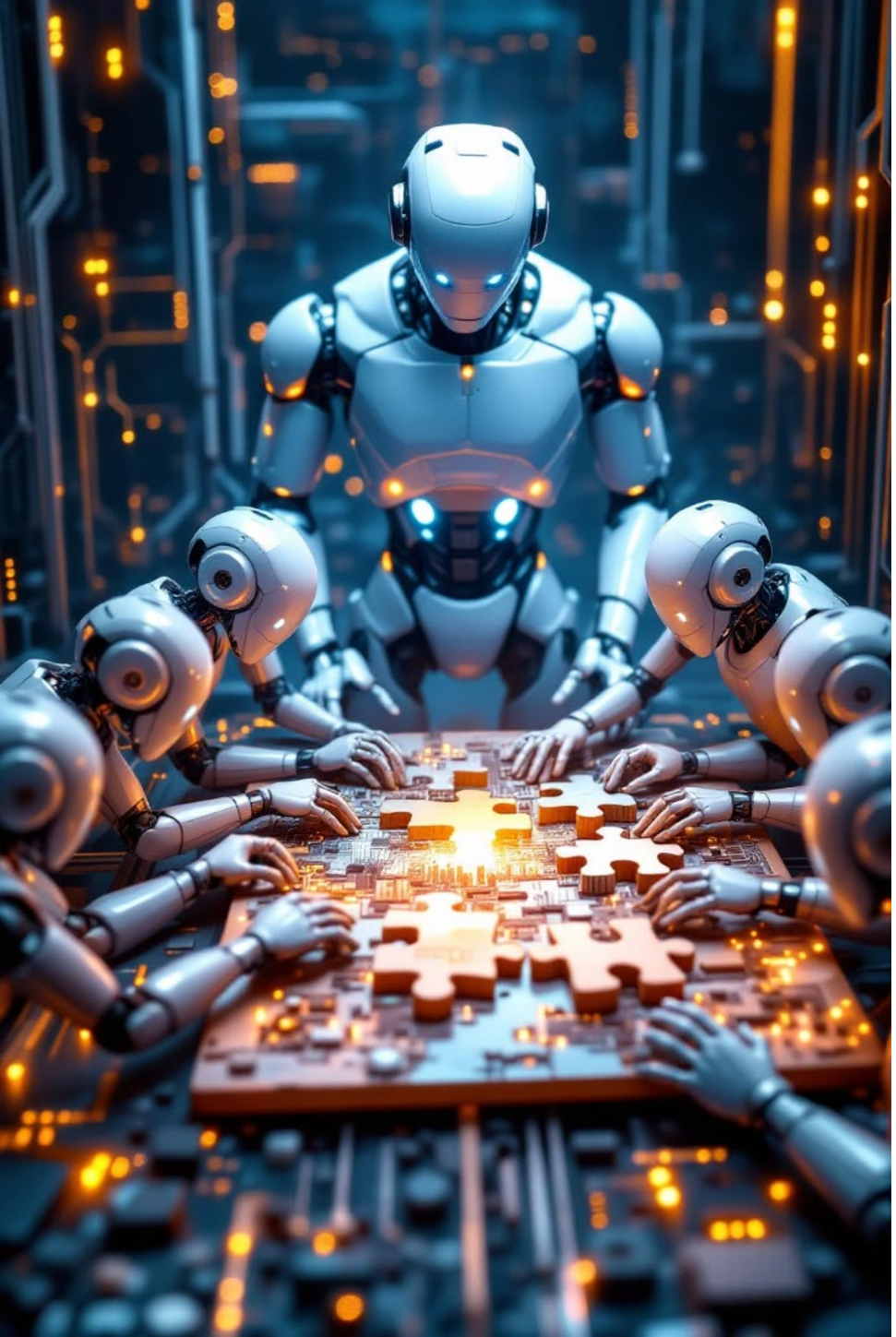

AGENTIC AI – GOAL -DRIVEN AUTONOMOUS SYSTEMS

Goal Definition

Set clear objectives for AI agents to pursue

Autonomous Operation

AI systems work independently toward defined goals

Adaptive Decision -Making & Learning

Adjusts strategies based on changing conditions & improves through experience

Real -Time Data Processing

Continuous information analysis

Result Delivery

Achieve objectives with minimal human intervention

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Agentic AI in Workflow Automation

15%

Daily Work Decisions

Will be made autonomously by agentic AI by 2028 -(Gartner)

24/7

Operational Capacity

Continuous document processing without human intervention

61%

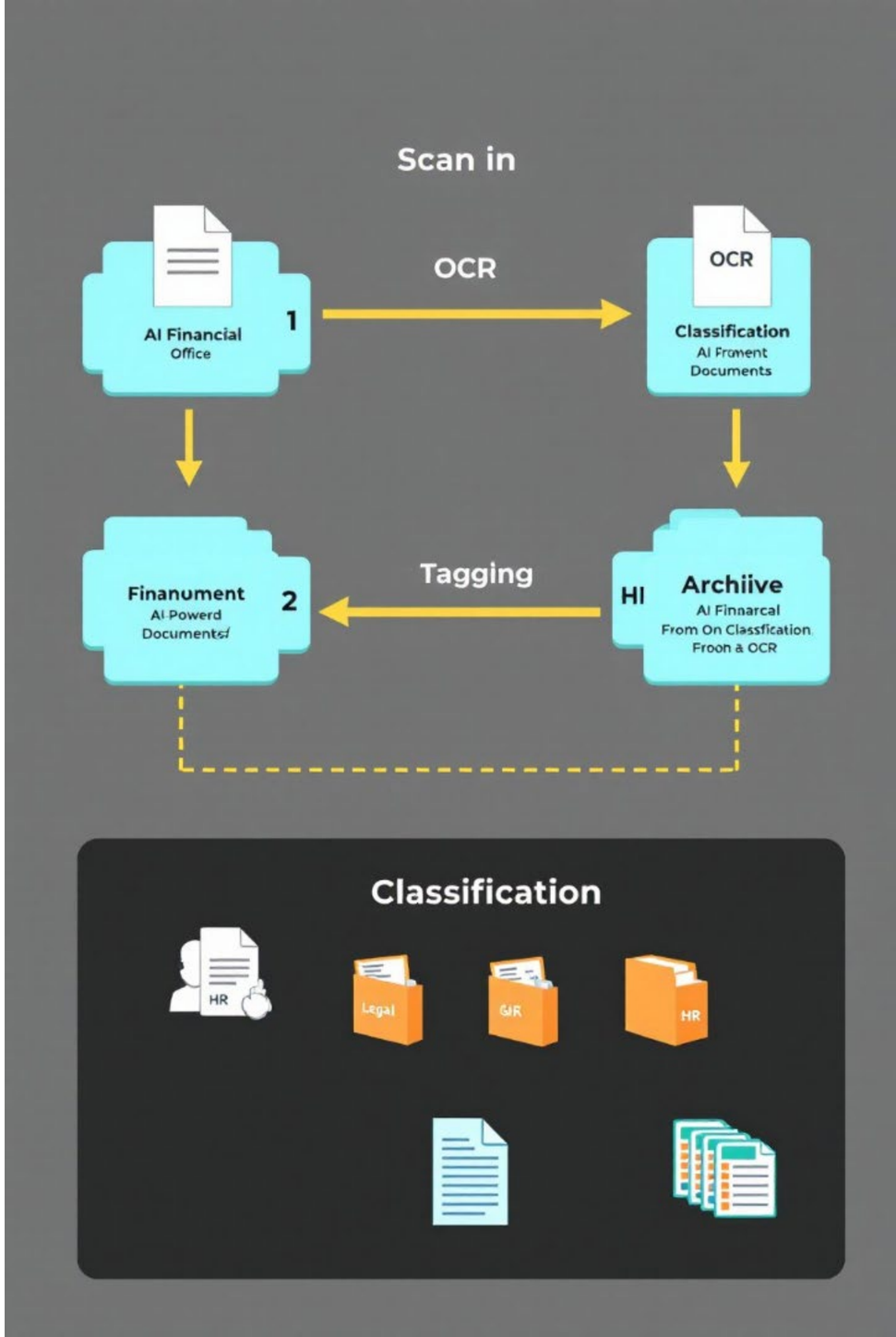
Increase in efficiency

Employees using AI agents - (McKinsey)

$19.9 T

By 2030

Accounting for 3.5% of the global GDP – (IDC)



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Agentic AI in Decision Support

Agentic AI offers **strategic recommendations** by analyzing data, **supporting informed decision-making.**

Data Collection

AI gathers relevant information from **multiple sources**

Pattern Analysis

System identifies **trends** and **correlations** in the data

Scenario Modeling

AI **simulates potential outcomes** based on different decisions

Recommendation Generation

Strategic options are presented **with supporting evidence**

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Key Takeaways for IM Professionals for Agentic AI

- Start implementing AI governance now - before issues arise.
- Train teams on AI -driven decision validation.
- Ensure AI -generated insights are traceable and explainable for audits.
- Ensure human oversight

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Time for a Poll

How prepared is your organization to integrate AI into its IM processes?

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Autonomous AI: Independent Decision -Making Systems

70%

Enterprise Workflows

Will leverage autonomous AI Systems to reduce manual intervention by 2030-
(ARK Invest)

30 -50%

Automation

Of repetitive IM tasks, including doc classification, metadata tagging, and compliance audit by 2028.
(Hybperight)

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AUTONOMOUS AI IN INFORMATION MANAGEMENT

Security

Autonomous threat detection and response

Access Control

AI-driven permission management

Compliance

Automated regulatory adherence

Monitoring

Continuous system oversight

Autonomous AI operates independently and makes decisions without human oversight.

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Autonomous AI: Today & Tomorrow

1

Today

AI independently manages closed-loop systems like network monitoring and cybersecurity threat detection.

2

Near Future

Self-optimizing data systems that adjust resources and priorities without intervention.

3

Tomorrow

Fully autonomous data environments and IM systems requiring minimal human intervention.

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Autonomous AI in Data Management

Data Scanning

AI continuously monitors information assets

Classification

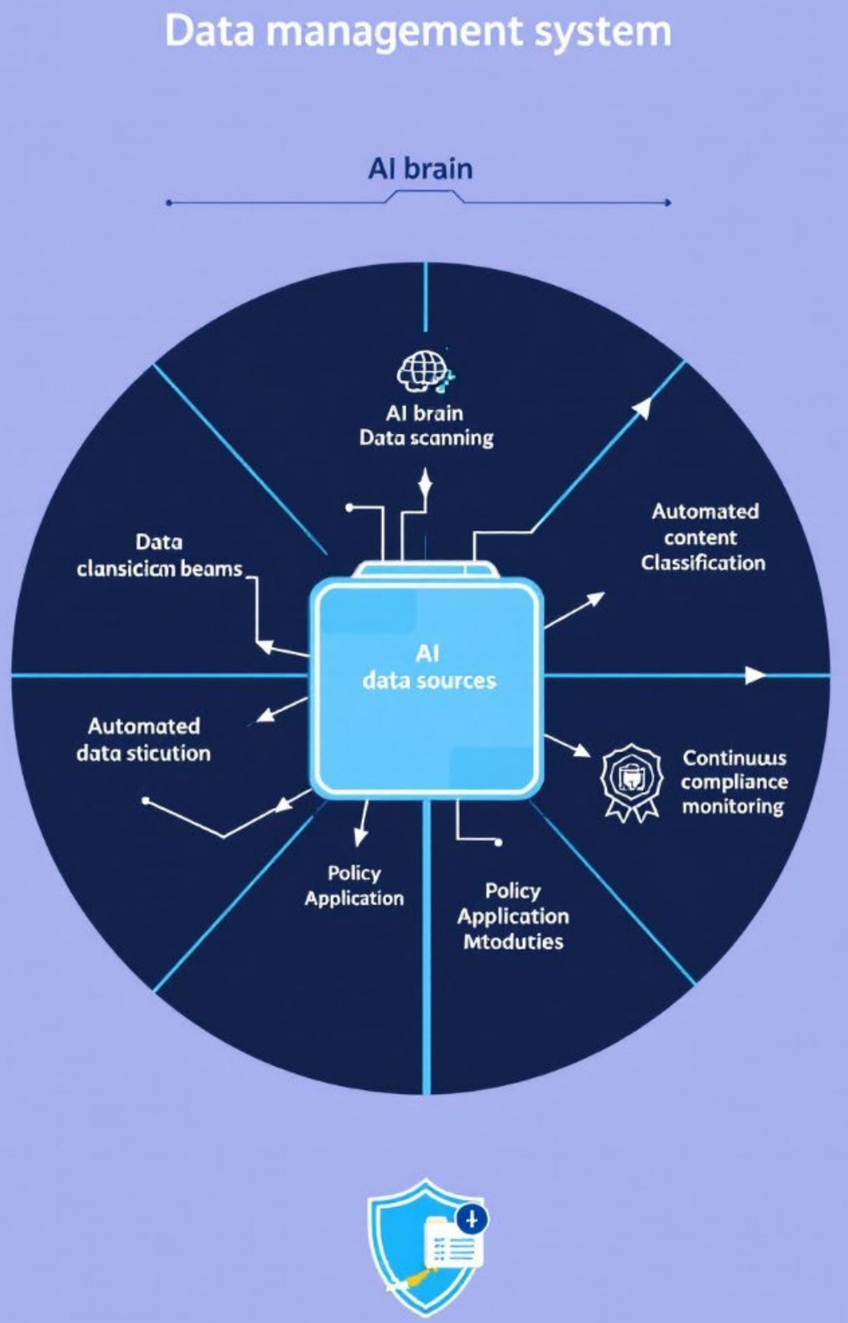
Content is automatically categorized based on content and context

Policy Application

Appropriate retention and security policies are applied

Compliance Monitoring

System ensures ongoing adherence to regulatory requirements



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Key Takeaways for IM Professionals

- Audit AI-driven security and compliance policies regularly.
- Ensure AI-driven compliance actions are explainable and reversible.
- Advocate for stronger AI governance policies within your organization.

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Governance Beyond Gen AI

AI Type	Key Governance Challenge	Mitigation Approach
Vertical AI	Navigating industry-specific regulations & maintaining innovation velocity	Cross-functional oversight committees with domain experts and **quarterly** compliance audits
Agentic AI	Tracing decision rationale when AI operates across multiple systems	Mandatory decision logs with technical documentation and **C-suite ownership** of high-impact areas
Autonomous AI	Defining responsibility for unintended outcomes with limited human oversight	Responsibility chains from technical teams to C-suite with designated **escalation paths** and **immutable audit trails**

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Data Readiness Checklist

1 Raw Data Collection

Robust data pipelines to collect raw data from all sources - with high reliability and compliance

2 Standardization & Structure

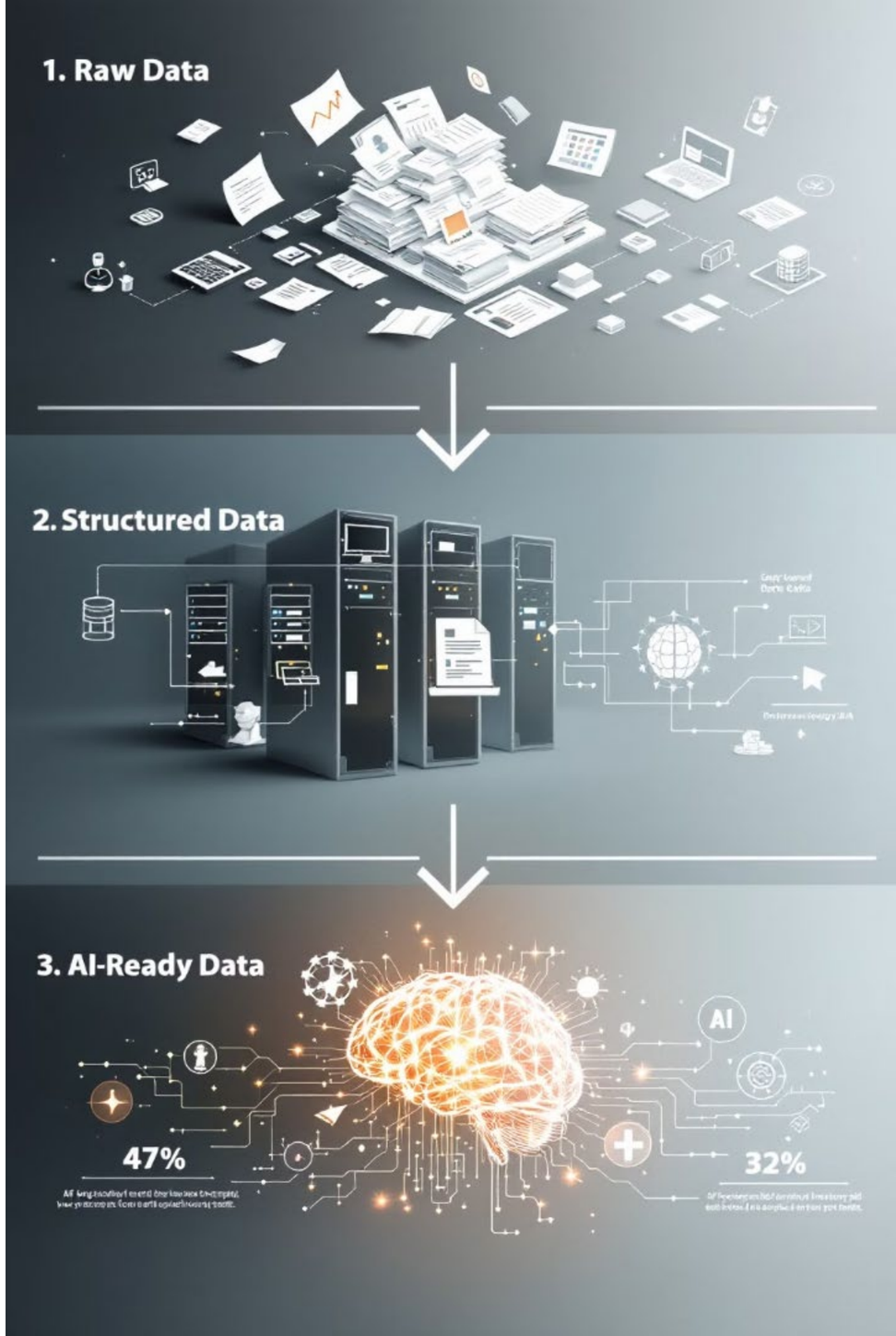
Implement enterprise-wide schemas and quality controls to ensure data is clean and reliable for AI

3 Interoperability

API-driven infrastructure that allows AI systems to quickly access and query data from across the organization

4 Versioning & Lifecycle

Create immutable data snapshots that can be used for long-term AI training and to audit autonomous system decisions



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Time for a Poll

Which AI Trend do you believe will have the most significant impact on your organization’s IM practices in the next 2-3 years?

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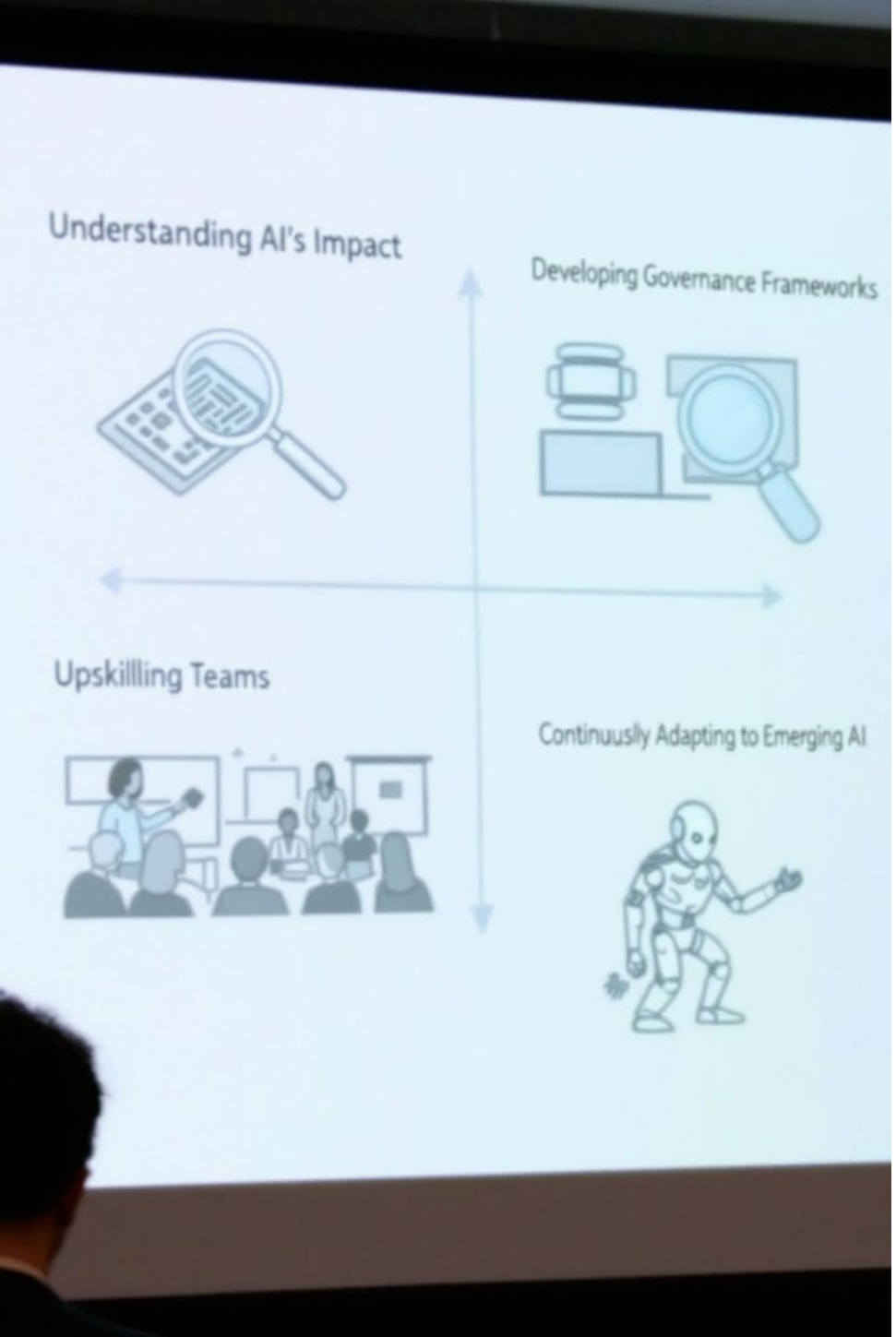

FINAL TAKEAWAYS & ACTION PLAN

- **Understand**
  Grasp AI's impact on information management
- **Implement**
  Develop governance frameworks and policies
- **Train**
  Upskill teams on AI oversight and validation
- **Evolve**
  Continuously adapt to emerging AI capabilities

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What to Do Next

Review AI Governance Policies

Do they cover AI-driven decisions?

Ensure AI -Driven Actions are Auditable

Can you explain how and why AI made a decision?

Train Your Team on AI Oversight

Skill gaps in AI understanding are one of the biggest risks.

Breathe

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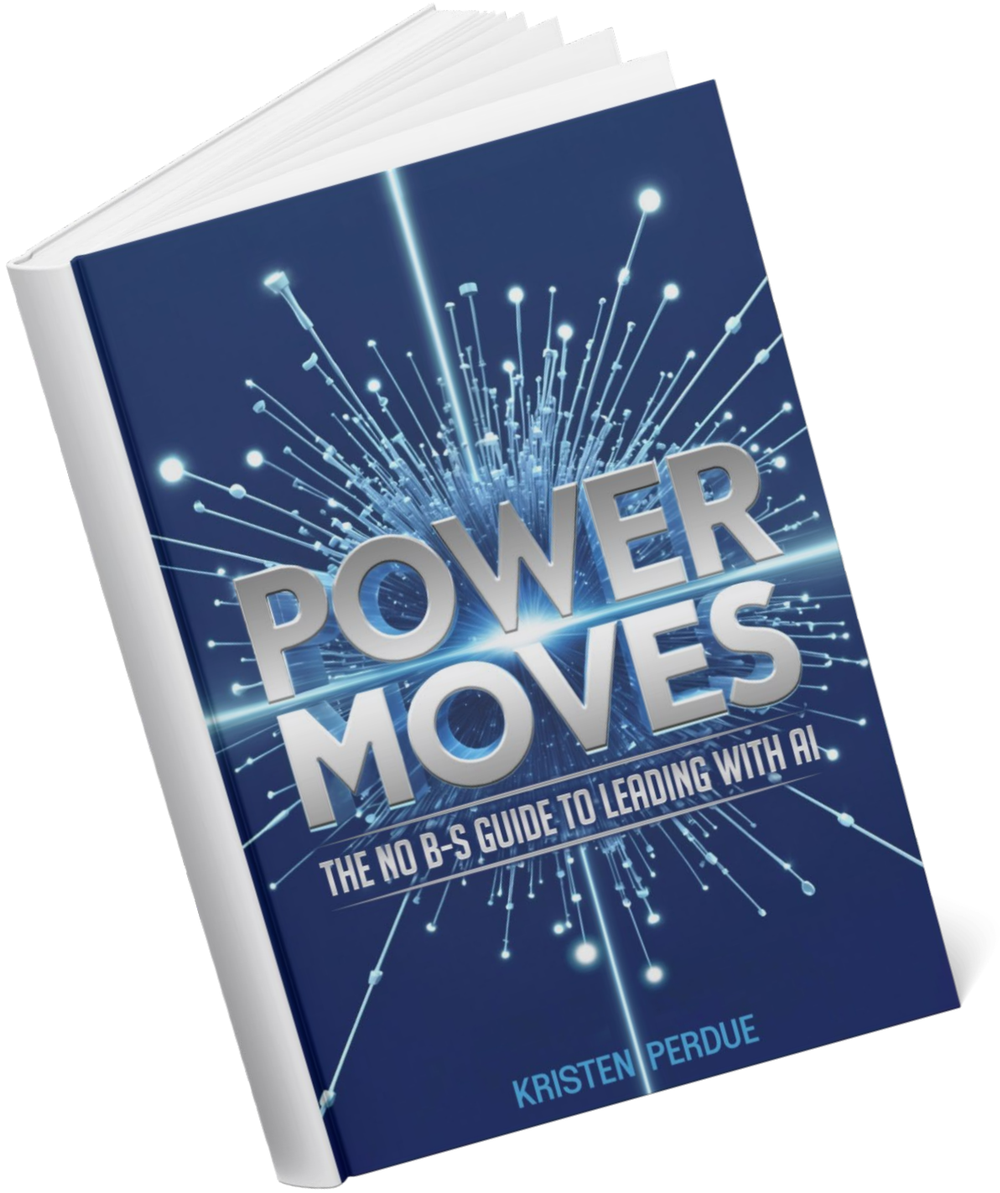

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https://alterbridgestrategies.com/powermovesai-waitlist

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THANK YOU!

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