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Orchestrating for Accelerated Enterprise AI Adoption

A Strategic Deep Dive into AI's Transformative Impact in Insurance

Tomorrow's World Insurance Conference

April 2024

Analyzing AI's Impact: How Artificial Intelligence is Redefining the Insurance Landscape

Analyzing the Accelerating Trends and Future Trajectories



72% CEOs picked AI (including machine learning and GenAI) as the most important technology in helping them achieve their ambitions over the next three years.

- Every Survey Ever

2023 saw AI firmly establish itself as a "disruptive force" that is reshaping the workplace and redefining how work is accomplished.

The pace of change is expected to accelerate at an exponential rate, while the ability of enterprises to adapt appears to be slower, at a linear pace.

Integrating AI into a rapidly evolving business presents a complex, multidimensional challenge.

Given that the rapid pace of change driven by AI is expected to continue, if not accelerate further

Critical Question: How to orchestrate your enterprise and teams to thrive in an environment characterised by accelerating, AI-driven change???

From Horse Carriages to Automobiles – Drawing Parallels Through Historical Innovations in Transportation



1760s-1810s

Invention

1769: Invention of steam-powered road vehicle and followed by invention of internal combustion-powered automobile (1808)

Introduction

1886: German inventor Carl Benz constructs the modern car—a practical, marketable automobile for everyday use.

1908: American pioneer Henry Ford mass produces the Model T



Early 20th Century

Adoption

1946 onwards: Demand for automobiles started increasing after World War II



1940s-1950s

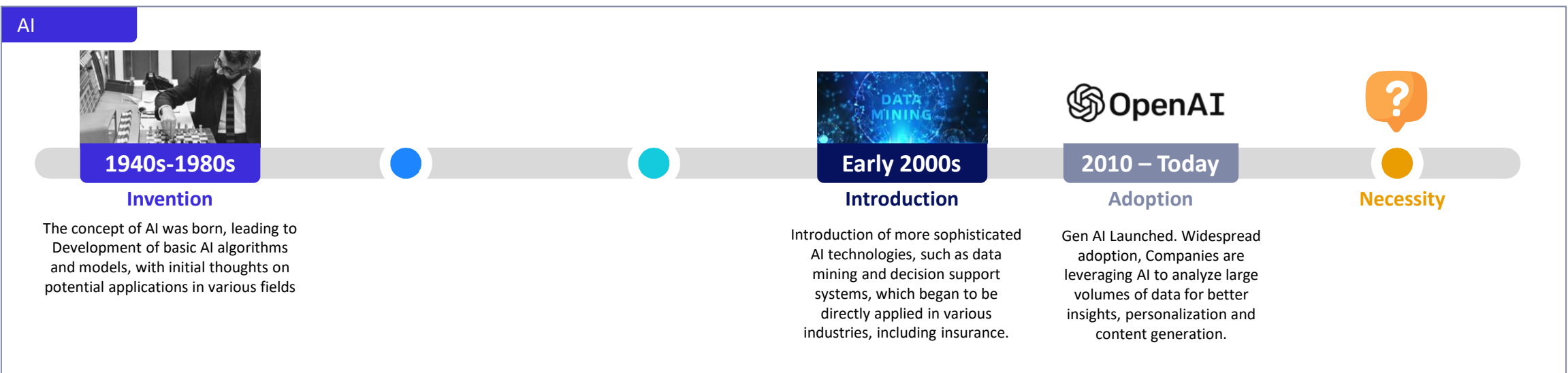


Today

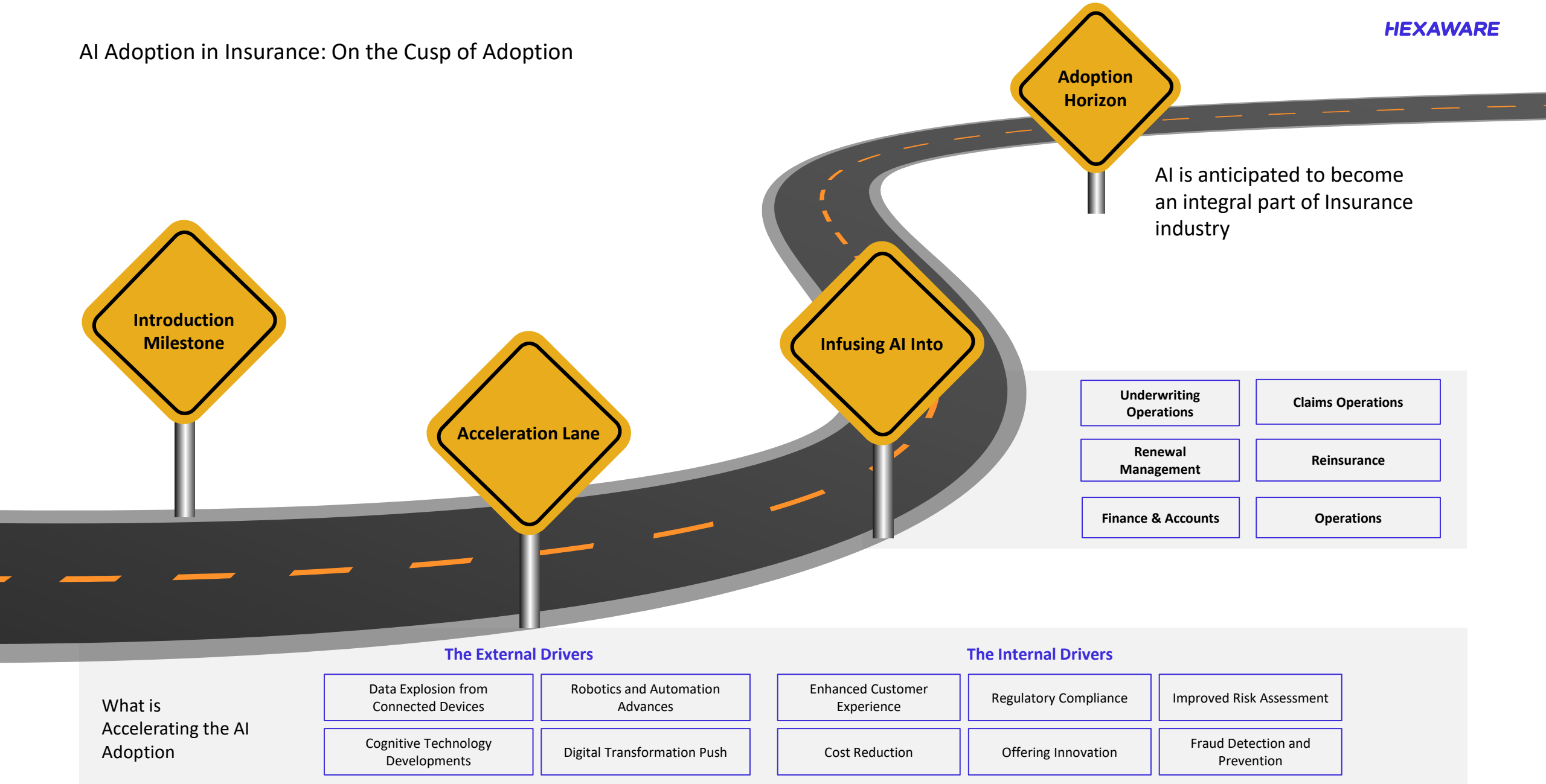
Necessity

The car is an essential part of the developed economy

Innovation to Indispensability: Trend Across Technological Innovations



AI Adoption in Insurance: On the Cusp of Adoption



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Adoption of AI within an enterprise

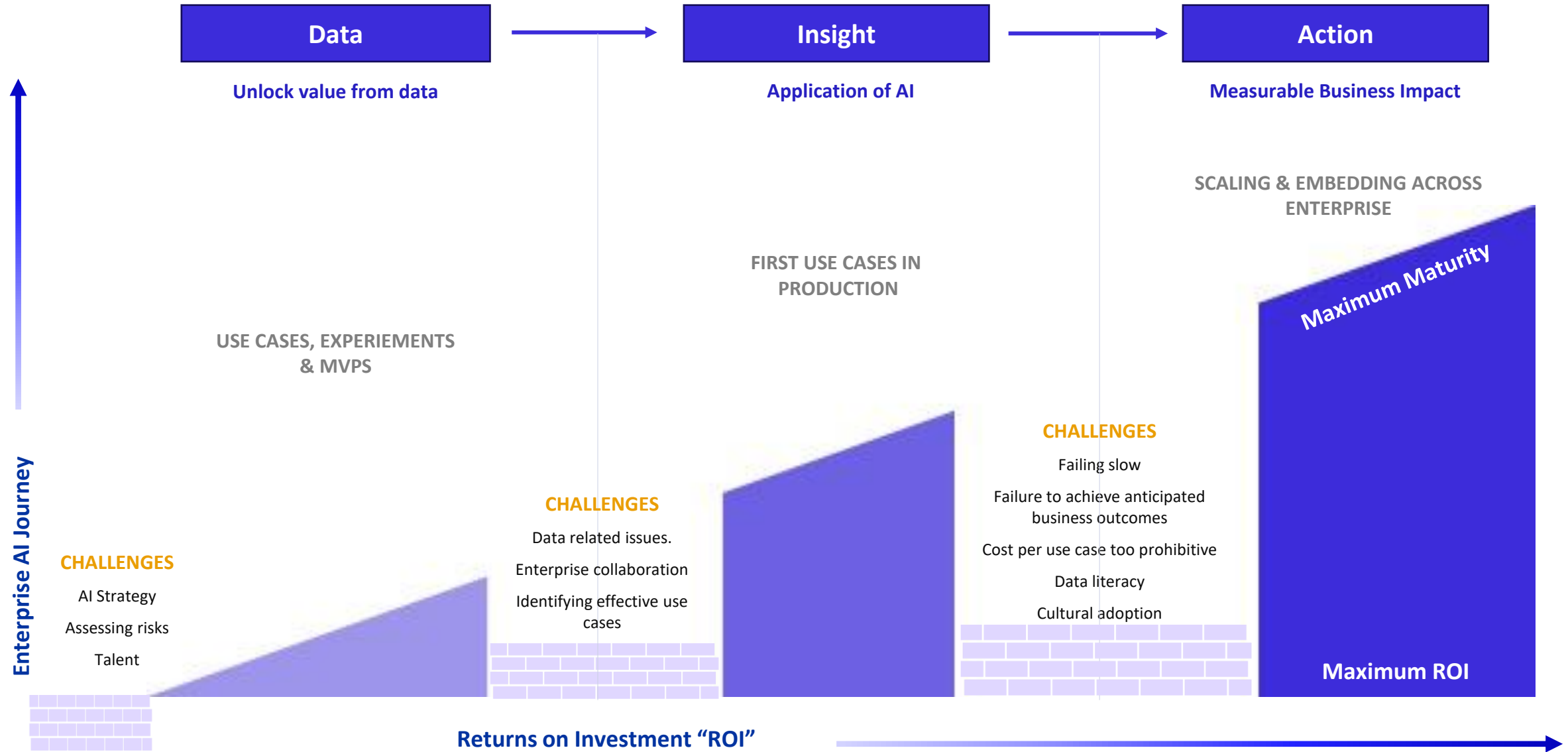




Polling Question

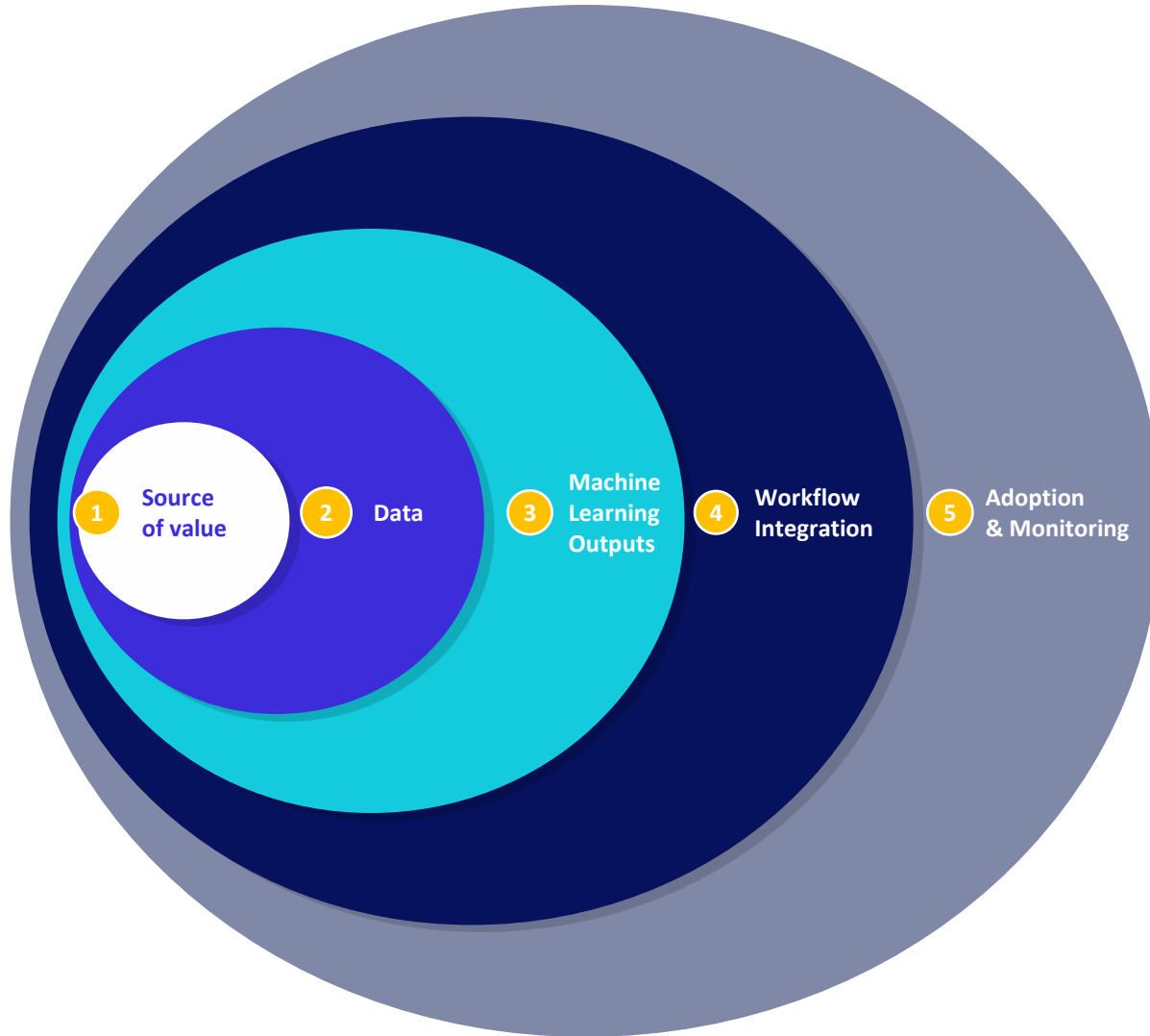
Given the rapid pace of change driven by AI and the multidimensional challenges it presents, what are the key considerations that leaders should take into account for successful enterprise-wide AI adoption?

AI Adoption: Enterprises Face Critical Challenges Across Their AI Adoption Journey

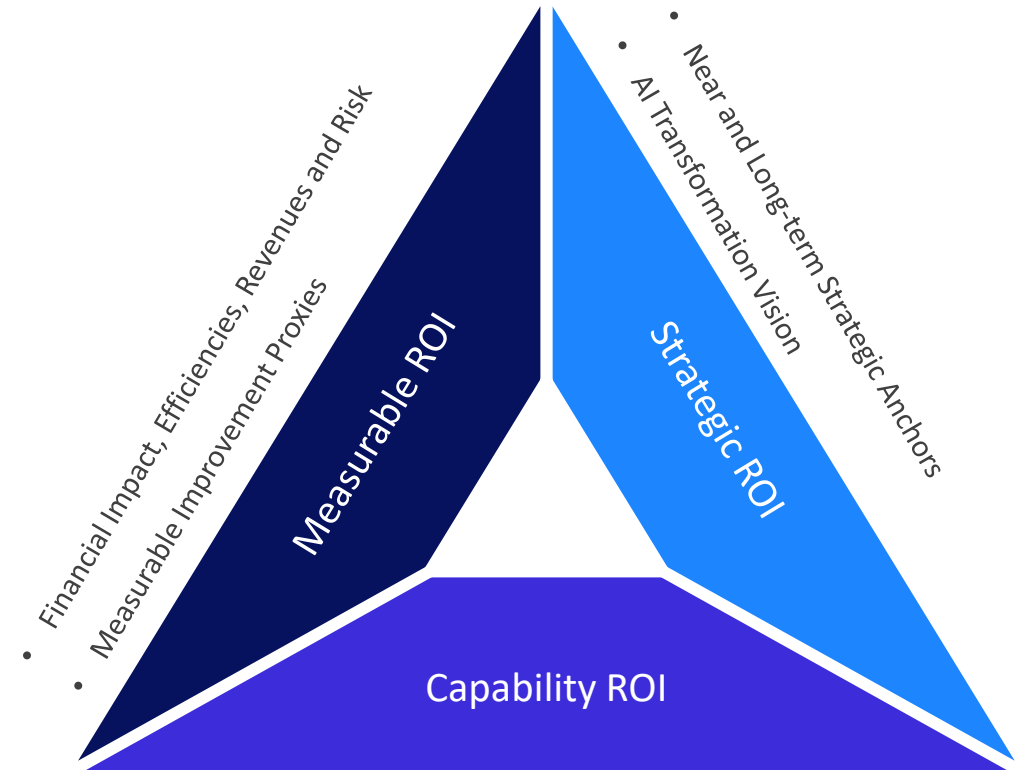


AI Adoption: AI Can Drive Three Kinds Of ROI Across The Enterprise

Treating technology as an enabler



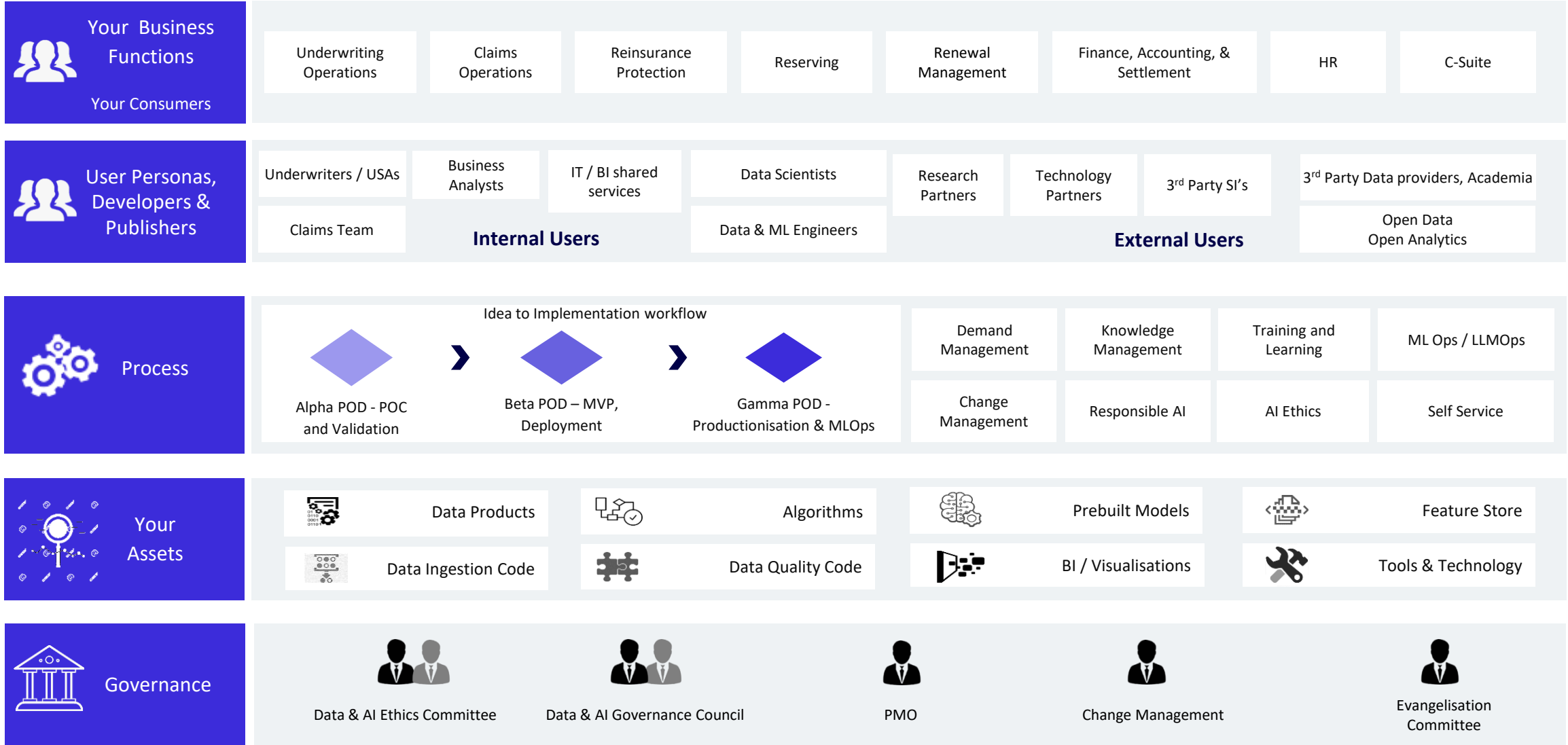
AI initiative should not only propel you towards immediate, quantifiable returns & strategic long-term results, but also significantly bolster your organisational capacity to leverage AI for market dominance.



- Unlocking the value of your data & IT investments
- Building AI Capabilities through Projects

AI Adoption: What Good Looks like

A defined & governed operating model driving data driven culture across your organisation



Four Pillars To Enterprise AI Adoption

01

Strategy & Process:

Defining a vision, creating a strategic roadmap, and establishing policies, procedures, and principles to guide the safe and responsible AI systems.

02

Technology & Data:

Ensuring the organisation has the necessary technology infrastructure, data quality, security, and access in order to build differentiated AI capabilities.

03

Product & Services:

A digital, reusable asset-based approach allowing AI initiatives to be managed and fulfilled through a central data supply chain.

04

Culture & Adoption:

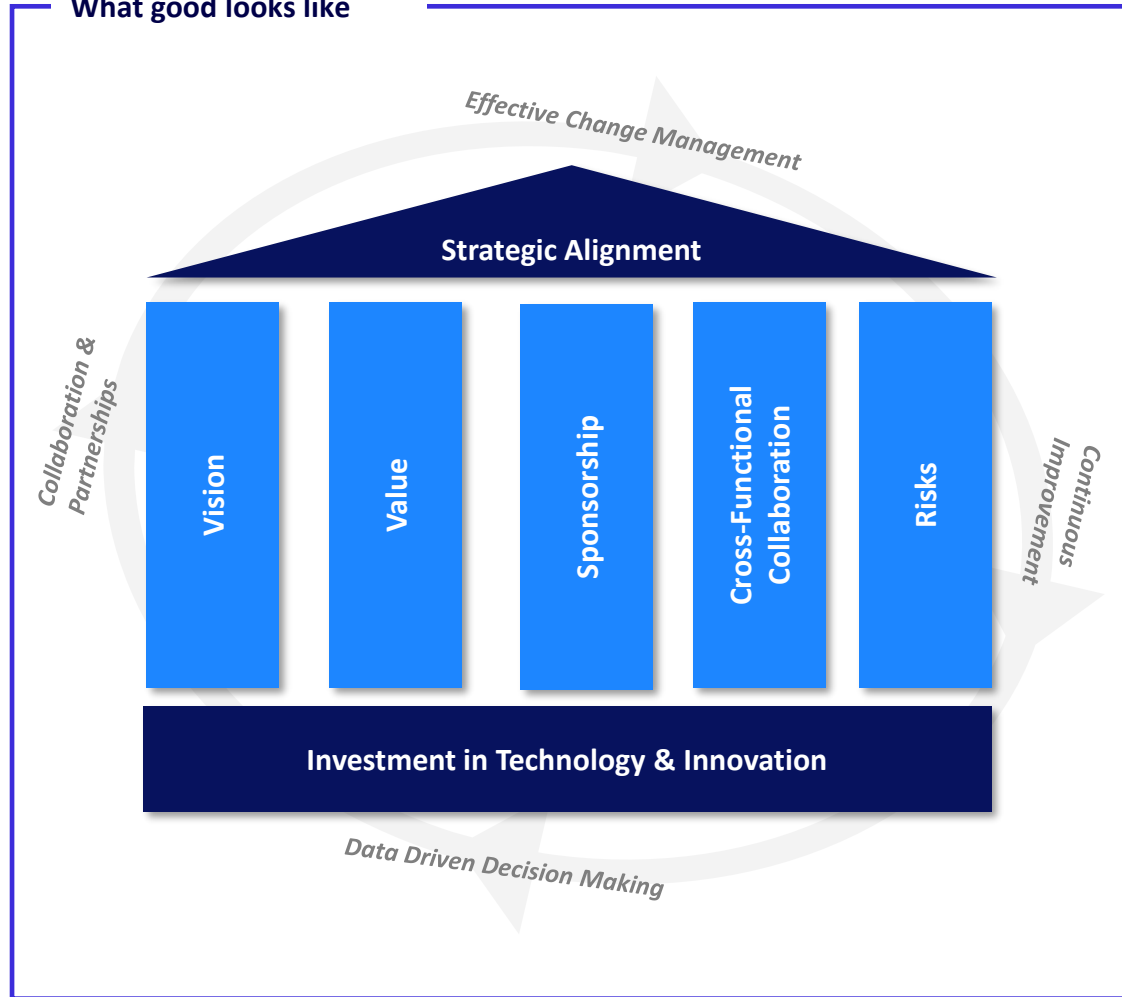
Improving data literacy, managing change effectively, and preparing the workforce with the appropriate skills and mindset for efficient AI usage.



Enterprise AI Adoption: Strategy & Process

Data & AI Strategy That Is Congruent With Enterprise Strategic Objectives

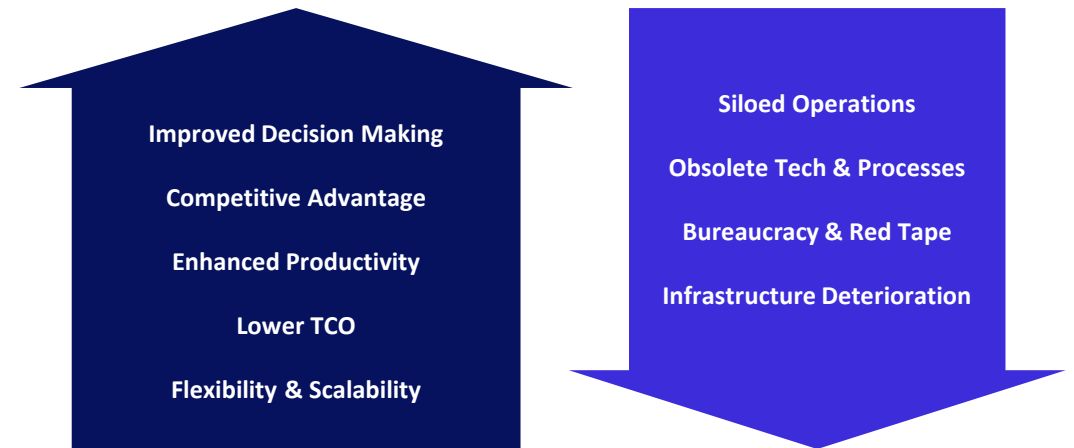
What good looks like



Considerations

- Invest in the right technologies & establish relationships with the right partners
- Establish mechanisms to collect and analyse feedback to identify areas for improvement, drive innovation & enhance service quality.
- Foster collaborations to share expertise, resources, and knowledge.
- Develop a robust change management strategy to ensure smooth transitions during implementation.

How this will help

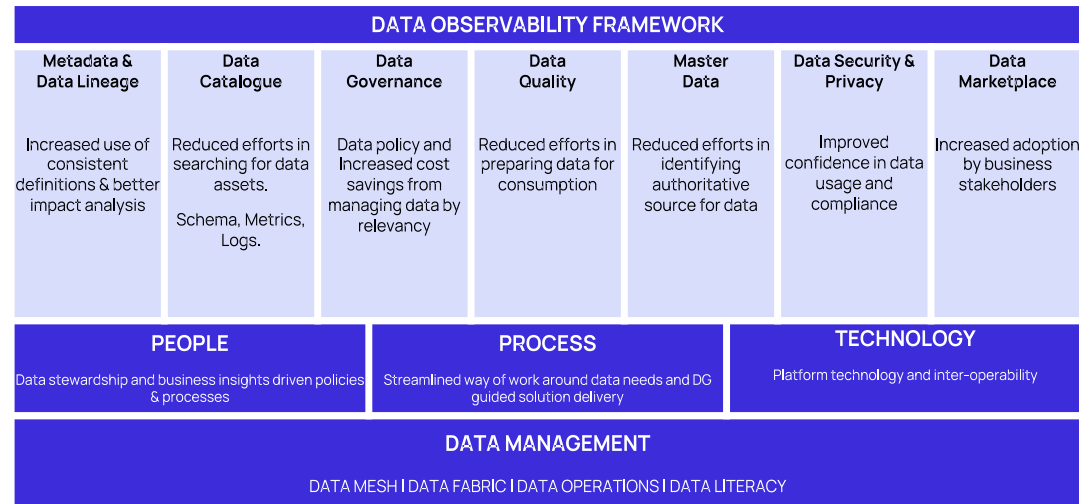


Enterprise AI Adoption: Technology & Data

Better AI Needs Better Data

What good looks like

- High quality, fit-for-purpose data assets are available to authorised consumers, in the right formats, at the right time.
- Internal Customers perceive data office as the trusted partner.
- Executive buy-in of a formal data & AI strategy covering governance, quality assurance and data stewardship.
- Organisation structure, policies, processes and tools are established to effectively enforce accountability for the treatment of data through the lifecycle.



Considerations

- Formalising an Enterprise Data Observability / DG framework with relevant KPI's.
- Data auditability a core requirement of the technical solution.
- Centralised approach to master data management (Customer, Product etc)
- Certifying data assets for data consumers
- Reducing efforts of data office and other teams in data quality fixes.

How this will help

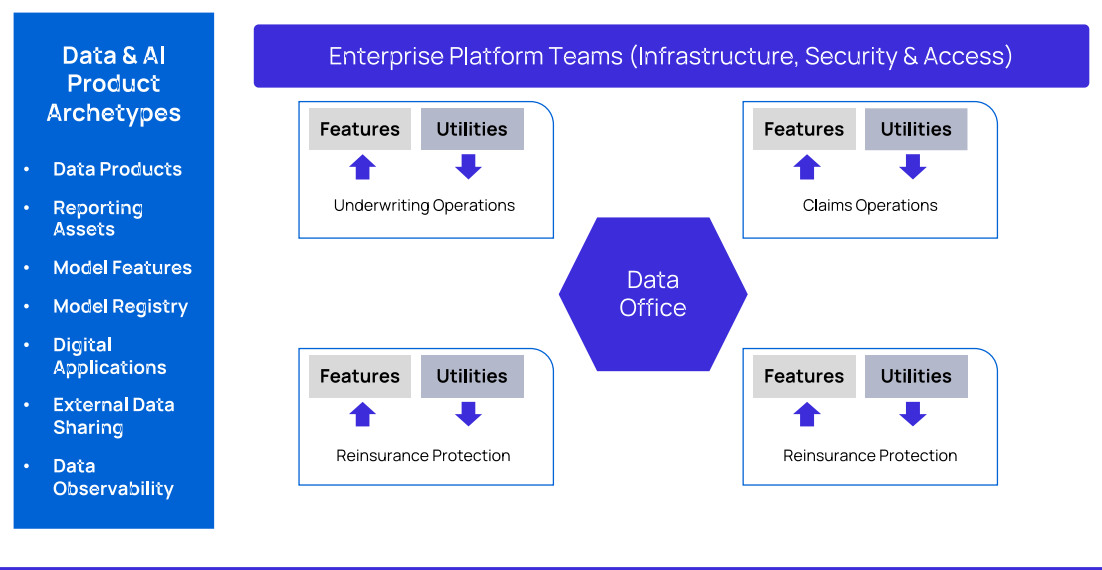
- A formal DO / DG framework brings best practices in observability, governance process design, development and adoption.
- A mature MDM & DQ solution will help modernise enterprise's data management to establish an authoritative source of truth for asset profiles.
- DQ profiling dashboards will inform users about state of the data and what needs to be done to enhance usability.
- ML/GenAI driven DQ solutions offer the potential to drastically lower human efforts in discovering, addressing and pre-empting quality issues.

Enterprise AI Adoption: Product & Services

Treating Data As An Enterprise Asset

What good looks like

- Advocate a common data model, defines frameworks, standards and best practices for data processing, commissions data product investments, approves platform and tooling's as well as architecture blueprints and data consumption archetypes.
- Data office is the go-to Data Product partner for functions & LOBs.
- New insurance products are built on the back of data products.
- AI initiatives are driven and fulfilled via the central data supply chain.



Considerations

- A Data Factory approach which focuses on data-as-a-product creation emphasising rapid delivery, high consistent quality and dependable scalability.
- Applying product thinking to data to create reusable data assets.
- Data assets ready for consumption via the enterprise data platform.
- Product PODs v/s competency PODs
- Feature registry, Model registry and a Model marketplace.

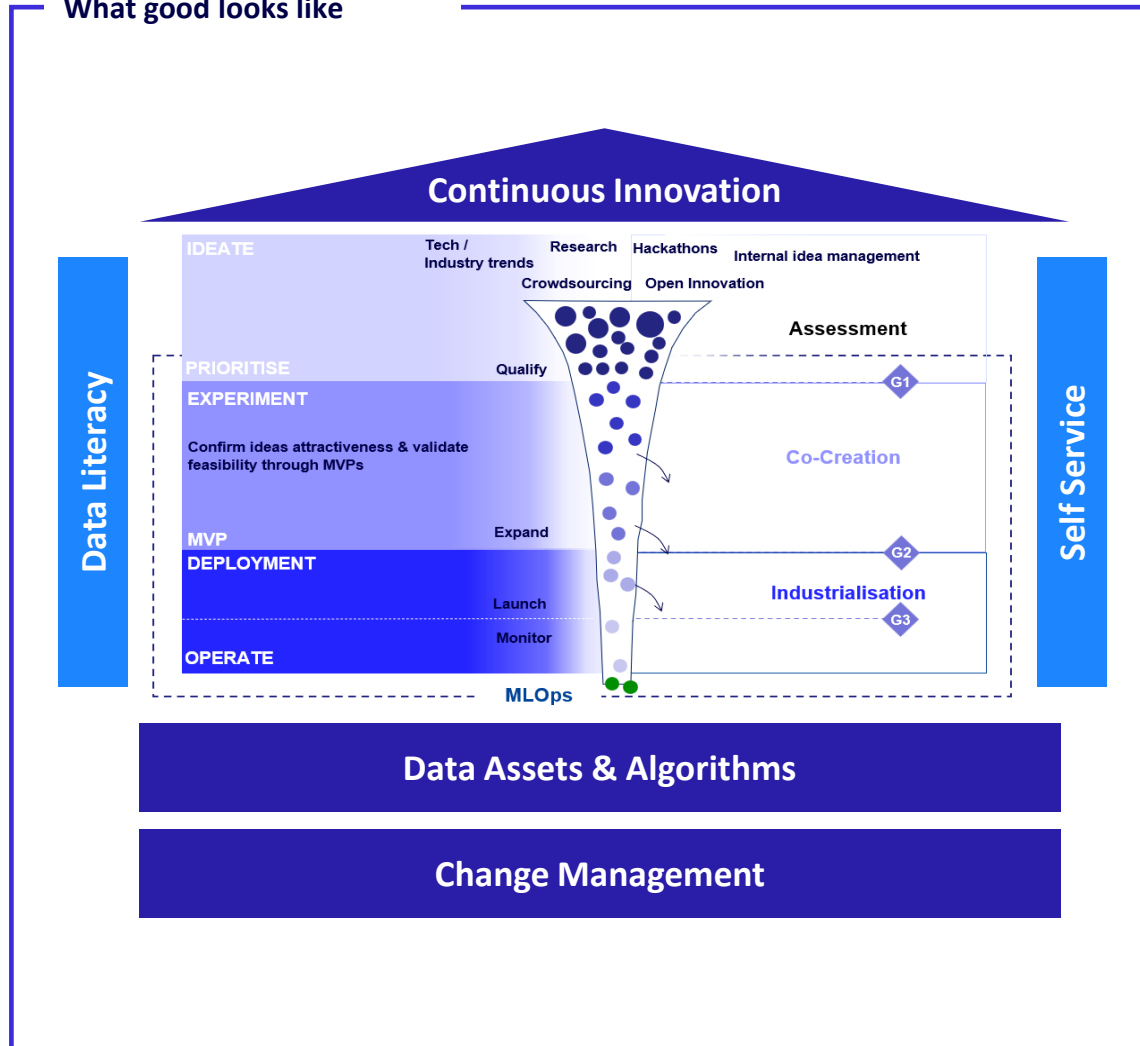
How this will help

	Traditional Project Based Approach	Data Product Based Approach
STRATEGY	Fragmented and disconnected projects across the enterprise. Highlighted with Big Bang Releases	Standardised & integrated portfolio of products characterised with continuous delivery of value with short iterative releases
PEOPLE	No ownership of final outcome. Little visibility across entire out comes from customer value to team inputs	Empowered with ownership and accountability
PROCESS	Process focused with limited integrations and collaborations between business units	Outcome and Value focused. Performance designed for outcomes rather than a focus on activity management
PLATFORMS	Focus on scope with little for reusability or shared uplift across other projects	Focused on increasing value of technology reusable components, codes and utilities

Enterprise AI Adoption: Culture & Adoption

Innovation With AI Is An Iterative Continuous Process

What good looks like



Considerations

- A culture of continuous iterative innovation
- Effective change management process to ensure smooth transitions to an AI based system.
- AI/ML/Generative AI is widely adopted and embedded in the operations of how enterprise collects, processes, analyses and derives intelligence from its data.
- A strategic framework is adopted to scale AI/ML operations – from POC to production – and mobilise data citizens.
- - ideate & prioritise, experiment & MVP, deploy & operate
- solutioning envisioning workshops
- Implement MLOps / LLOps for streamlining and automating the ML lifecycle
- Lower cost of innovation

How this will help



Group Discussion Question

In the context of AI-driven change, cultural adoption is the most crucial element for effective AI Adoption.

How can leaders, practitioners, business all collaborate to foster a culture of data literacy and cultural adoption within their enterprises?



Thank You

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