



The Al-Powered Enterprise

BUILDING A DATA-DRIVEN FOUNDATION TO SUPER CHARGE YOUR AI JOURNEY

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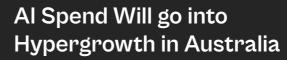
Introduction

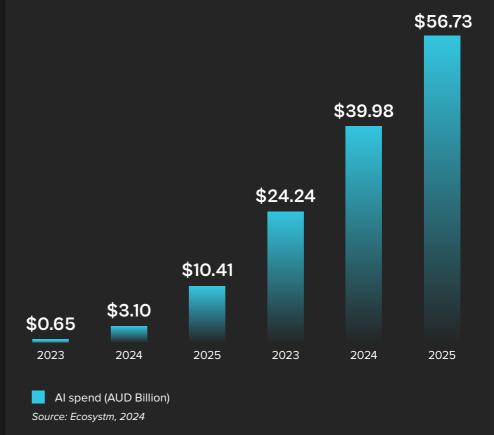
Al has become a business necessity today, catalysing innovation, efficiency, and growth by transforming extensive data into actionable insights, automating tasks, improving decision-making, boosting productivity, and enabling the creation of new products and services.

Generative AI stole the limelight in 2023 given its remarkable advancements and potential to automate various cognitive processes. However, now the real opportunity lies in leveraging this increased focus and attention to shine the AI lens on all business processes and capabilities. As organisations grasp the potential for productivity enhancements, accelerated operations, improved customer outcomes, and enhanced business performance, investment in AI capabilities is expected to surge.



Ecosystm predicts that for most organisations, Al spending will remain below 5% of their total tech expenditure in 2024, but it is likely to exceed 20% within the next 5 years.







Unleashing the Potential of Al Across Industries

Organisations across sectors are seeing significant opportunities for enhancement with Al:



Manufacturing. The industry is using AI to enhance workforce planning, product design and continuous improvement, efficiency, safety, and quality. Predictive maintenance minimises downtime; collaborative robots improve human productivity; AI-driven quality control detects production faults, ensuring product quality.



Transport & Logistics.

Al-driven asset
management, supply
chain management and
warehouse management
are revolutionising the
industry. Al algorithms
optimise scheduling,
routing, and traffic
management, improving
safety, efficiency, and lastmile delivery. Self-driving
and software-defined
vehicles are also being
explored.



Banking & Finance. Al speeds processes such as KYC, loan applications, and claims processing; provides customer recommendations through robo-advisors; and personalises customer experience. Al also plays a crucial role in fraud detection.



Retail & eCommerce.

The industry uses AI to analyse customer behaviour and optimise warehouse management for safety and efficiency. AI, including video analytics, IoT devices, and logistics software, maximises space utilisation in retail and warehouses.



Public infrastructure providers. They are turning to AI for public safety monitoring. Video analytics and sensors empower safety and security teams to extend public safety beyond conventional human monitoring practices.



Al Use Cases Are Exploding Across Business Functions



72%Sales &
Marketing



72% Customer Experience



63% Product



62% Operations



62% HR



60%



60% Strategy

POPULAR USE CASES

Lead Generation; Content Strategy; Location-based Targeting Conversational Al/Chatbots; Sentiment Analysis; Personalisation Product Design; Fraud Detection; R&D; Product Lifecycle Management; Process Simulation

Financial Insights; Logistics & Supply Chain Management; Reducing carbon footprint Recruiting & Onboarding; Resource Allocation; Employee Experience

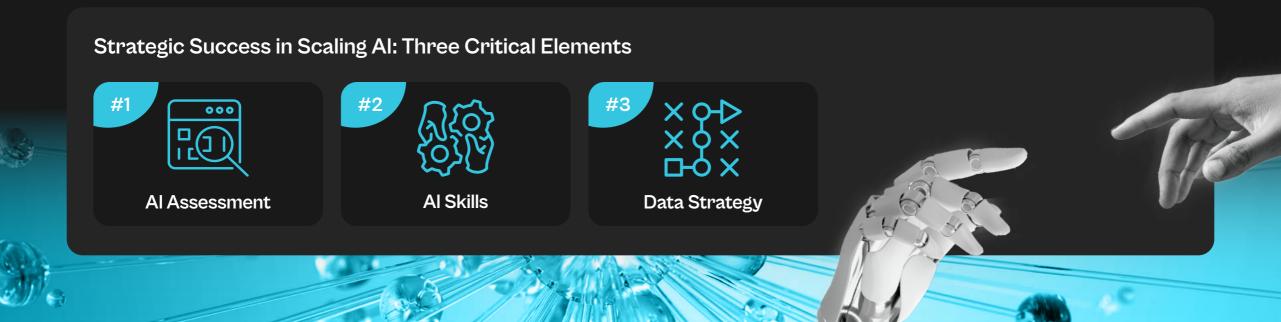
ITOps; SecOps; Threat Intelligence & Management; Code Generation; Automated QC Operational Security & Risk Management; Business Planning; Sustainability



From Quick Wins to Enterprise Transformation: Scaling Al Successfully

While organisations will turn to generative and open-source tools for easy victories, it is crucial to establish tailored Al capabilities within the organisation.

This foundation empowers organisations to leverage Al at a larger scale, resulting in a comprehensive transformation into a smart and automated enterprise.





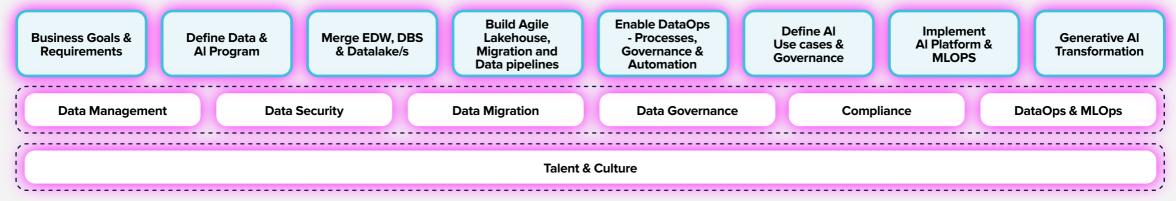
#1 Al Assessment: A Strategic Imperative for Organisations

Creating an AI strategy is a dynamic process that requires alignment with business goals, continuous learning, and the ability to adapt to shifting circumstances.

It should be a collaborative effort involving different stakeholders. However, the reality is that organisations have invested in AI solutions without a well-planned approach. The landscape has also grown increasingly complex due to emerging AI technologies that are disrupting the status quo and reshaping priorities regarding what can be achieved through AI.

Organisations should conduct a thorough assessment of their AI strategy and roadmap to ensure that decision-makers have access to accurate, timely, and relevant data to guide their choices. This strategic approach not only enables the refinement of processes based on data insights but also involves continuous alignment and re-alignment with business objectives, ongoing learning, and collaboration with a diverse business stakeholders

Continuous Evaluation: What Organisations Need to Assess





#2 Building the Skills for an **Al-Ready Workforce**

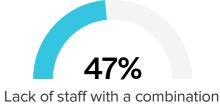
Even with the best intentions and strategies, organisations that exclude their employees from the Al roadmap are prone to failure when attempting to scale Al.

Employees' proficiency in understanding, implementing, and using Al technologies is a competitive edge for organisations, enhancing productivity and decision-making. These Al skills also future proof the workforce, enabling individuals to adapt to the evolving digital landscape and be relevant in the job market. As Al continues to reshape work and society, upskilling becomes a strategic necessity for both individuals and organisations.

Organisations Face Challenges in Balancing Business and Technical Skills



Defining business requirements/KPIs/metrics



of business and AI skills



process changes





Australia N=65 Source: Ecosystm Digital Enterprise Study, 2024



Key areas of focus for organisations include:



Technical skills

Expertise in data science, machine learning, and Al algorithms for effective Al application development and management, including handling extensive datasets, efficient data management, and infrastructure provisioning.



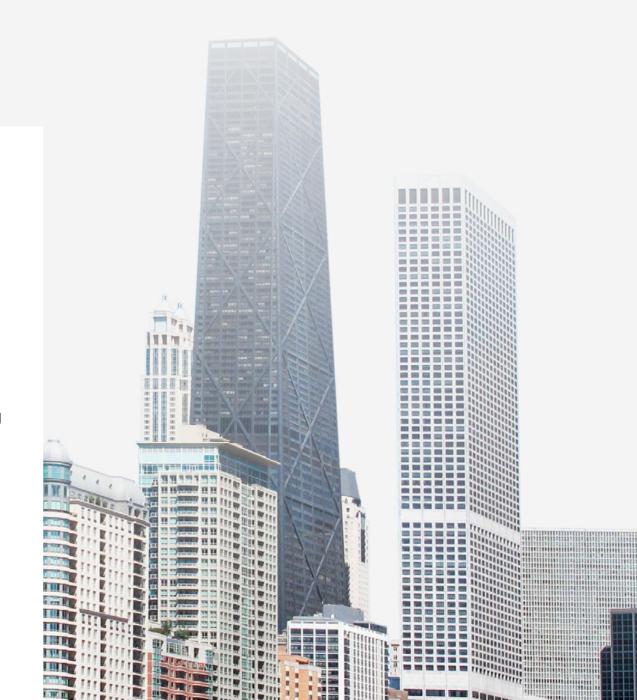
Ethical and Legal Acumen

Grasping the ethical dimensions of AI and understanding the organisation's legal obligations on data privacy, compliance, and protection.



Business Proficiency

The ability to pinpoint areas where Al/automation align with business priorities and using the right insights for informed decision-making.





#3 Preparing for AI Growth with an Effective Data Strategy

Data serves as the lifeblood of Al.

Slow data access, leading to a lack of parallelisation, translates to costly and delayed decision-making in Al processes. While most workloads have historically demanded enhanced performance during refresh cycles, Al workloads are reshaping data centres. This transformation involves powerful processing capabilities, liquid-cooled servers, direct GPU access, and highly scalable, high-performance storage systems optimised for deep learning and neural networks.

To effectively support AI, data solutions must adapt to the diversity of techniques, algorithms, and models consolidating the fragmented landscape of disparate systems.

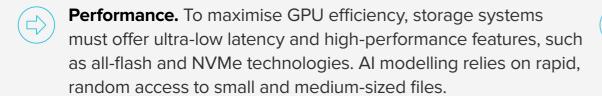
AI COMPLEXITY AND FRAGMENTED AI LANDSCAPE AI SUB CATEGORIES Natural Language Computer Large Language Knowledge-based Speech Machine Learning Deep Learning Generative Al Processing Vision Recognition Model System AI TECHNIQUES Generative Al Machine Learning Natural Language **Predictive Analytics Neural Networks** Deep Learning Rule-based Natural Language Natural Language Processing **Deep Learning** Processing Processing Deep Learning Classifications Machine Learning Algorithms Machine Learning Rule-based Deep Learning

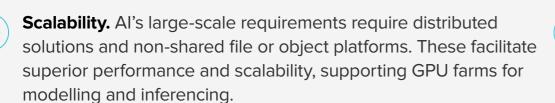


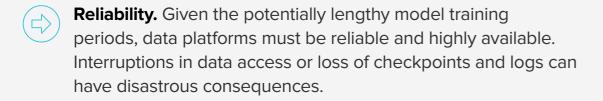
Data Strategy Essentials: Key Focus Areas for Success

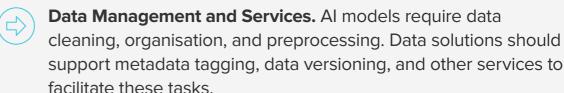
Analytical and AI applications come with a wide range of demands, including throughput, latency, capacity, I/O, file sizes, data types, and scalability.

An Al-driven data system must focus on:









Governance and Compliance. Enterprises must adhere to data regulations and privacy laws like GDPR, HIPAA, and CCPA. A robust data strategy defines how data should be collected, stored, and used to ensure compliance, reducing legal risks.

Containers, Orchestration, and Automation Support. As Al workloads are frequently deployed in containers, storage systems should offer orchestration and automation capabilities to scale with workloads efficiently.



Start your Al Journey with HPE

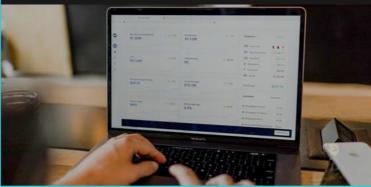
Al Assessment: Data Transformation Capability Assessment

Evaluation of data platform to determine the readiness of data and analytics services and technologies to satisfy business objectives



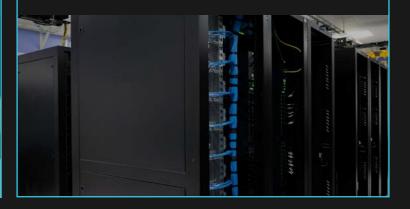
Al Skills: Data Discovery Workshops

A visual and interactive workshop covering data, data platform, and analytics starting from exploration of business needs and drivers



Data Strategy and Architecture: Design & Migration Planning Service

A time-bounded, Agile and Enterprise Architecture methodology-based, design and planning service



CLICK HERE FOR MORE DETAILS



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Hewlett Packard Enterprise is the global edge-to-cloud platform-as-a-service company that helps organizations accelerate outcomes by unlocking value from all of their data, everywhere. Built on decades of reimagining the future and innovating to advance the way we live and work, HPE delivers unique, open and intelligent technology solutions, with a consistent experience across all clouds and edges, to help customers develop new business models, engage in new ways, and increase operational performance.

About Ecosystm

Ecosystm is a Digital Research and Advisory Company with its global headquarters in Singapore. We bring together tech buyers, tech vendors and analysts onto one integrated platform to enable the best decision-making in the evolving digital economy. Ecosystm has moved away from the highly inefficient business models of traditional research firms and instead focuses on research democratisation, with an emphasis on accessibility, transparency, and autonomy. Ecosystm's broad portfolio of advisory services is provided by a team of Analysts from a variety of backgrounds that include career analysts, CIOs and business leaders, and domain experts with decades of experience in their field. Visit ecosystm.io

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