



Data and Al Pulse: Asia Pacific 2024

Research Insights by



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The Power to Know

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Jim Goodnight

Chief Executive Officer SAS



SAS® Viya® connects all aspects of the data and AI life cycle.

Executive Summary

The Al gold rush in Asia Pacific: A fear of missing out or a sign of a lack of Al maturity?

sia Pacific organisations are rushing to jump onto the Al bandwagon, with nearly half (43%) planning a large investment increase of over 20% in the next 12 months. A more telling sign of their belief in this technology is that 40% expect their Al initiatives to at least triple their return on investment (ROI).

But is Asia Pacific overly optimistic about the AI gold rush? Or is it a sign of the lack of AI maturity in the region? IDC's *Data and AI Pulse: Asia Pacific 2024* study, commissioned by SAS, seeks to answer this question, looking at the current state of data and AI and the future plans of organisations.

For the study, IDC surveyed slightly over 500 enterprises in six markets – Australia, China, India, Japan, South Korea and Southeast Asia (Malaysia, Singapore and Thailand) – and sampled key industries, including financial services, insurance, health care and life sciences, and government.



The study reveals that 18% are still in the investment planning phase or evaluating AI initiatives, while 45% reported that their AI programmes are focused on functional or short-term projects. Only 18% are considered AI leaders, with long-term investments to use AI to transform the business. The study showed that most organisations are still in the early to middle stages of AI maturity. It reveals that 18% are still in the investment planning phase or evaluating AI initiatives, while 45% reported that their AI programmes are focused on functional or short-term projects. Only 18% are considered AI leaders, with long-term investments to use AI to transform the business. The lack of AI maturity is also reflected in the use cases that tend to focus on standard productivitylinked ones. AI leaders have moved beyond these to more complex functional and industry use cases.

Moving up the maturity ladder requires organisations to overcome challenges currently hampering their progress, particularly skills shortages, and data governance and management.

This e-book delves deeper into the study, discussing the hurdles organisations face with AI implementation and what they can learn from the 18% recognised as AI leaders.

The promise of AI and GenAI – why now?

Al spending in Asia Pacific will reach US\$45 billion in 2024, rising to \$110 billion by 2028 at 24% CAGR (2023-28).

Organisations are focusing on improving efficiencies and cutting costs in response to global inflationary pressures. The coming year will see organisations capitalising on Al to enhance the value of their digital platforms and broaden their market reach.

The importance of AI in supporting business strategy and driving value is growing, and organisations must act now to maintain a competitive advantage and differentiation, while ensuring business resilience and flexibility. Asia Pacific organisations must be mindful of balancing the hype around AI with strategic and tactical investment and use case selection to maximise ROI.



Why now?

The confluence of several factors makes the present moment particularly opportune for the adoption of Al and generative Al.

- Fear of missing out (FOMO): This has driven Al and GenAl spending. Unreasonable two to three times ROI expectations on GenAl investments, economic headwinds, cost pressures and other challenges are putting attention back on making sure Al projects are tied to business value and outcomes.
- Technological advancements: Rapid progress in AI technologies and increased computational power have made AI solutions more accessible and effective.
- Economic and competitive pressures: Organisations are seeking innovative ways to remain competitive and resilient in a fluctuating global economy.
- **Regulatory support**: Governments across the Asia Pacific region are increasingly active in enacting policies and regulations that support Al innovation and adoption.

Despite FOMO and the resultant huge increases in Al investments, economic, regulatory and technological uncertainties require enterprises to remain flexible.

What will it take to scale your AI projects?

Organisations need to move past the GenAl scramble, grow in Al maturity and establish themselves as an Al-fuelled business.



Scaling AI requires enterprises to pivot and develop several new capabilities.

How mature are Asia Pacific organisations in Al?

Most organisations in the early to mid-stage of maturity are focused on functional, short-term projects and establishing a business case.

Organisations need to evolve from early experimentation and mature from a tactical approach to implementing strategic AI initiatives that can have a transformative impact. This requires consistent investment and skills development. Few organisations are at the latter stage, meaning integrating and scaling AI is more challenging than expected.

Status of AI in Asia Pacific organisations (maturity)

Which best describes the status of artificial AI at your enterprise?



Maturity in Al implementation requires five core principles: robust technology systems and platforms, data-centric and model-centric processes, strong governance, Al talent and ethical expertise, and, most critically, availability of high-quality data. Adopting agile methodologies and continuous improvement practices are essential for successful Al integration.

Successful AI implementation - 5 factors





Al is a journey to create business value and requires capabilities in data, technology, processes, skills and governance.

Why do organisations choose to invest in AI?

Al leaders want to achieve revenue growth and greater efficiency and profits.

Top three business outcomes organisations want to achieve from their Al initiatives

Al leaders in Asia Pacific are focused on top-line and bottom-line impact: driving new revenue growth, operational efficiency and profits. **Al followers** are experimenting with numerous projects, each focused on varying business outcomes. They will need a clear strategy and roadmap in the coming 12-18 months to justify ongoing investment.



- The pressure is growing on AI leaders to deliver ROI after heavy and ongoing investments in AI over the past few years.
- Organisations are using AI to improve external outcomes (customer experience, market share expansion) and internal performance (efficiency, employee productivity, business resilience and cost management).
- Al followers are still experimenting, with projects focused on varying business outcomes – the data shows us there are no clear winners in terms of business outcomes. There are high expectations but no clarity on results.
- They are in the **experimentation phase**, with some focusing on efficiencies and others on customer experience or productivity. POCs and current use cases are point solutions, largely functional and short-term rather than based on a long-term, integrated and transformative strategy.

Organisations that align technology with business outcomes outperform their peers by enhancing revenue streams and reducing costs.

What are organisations' technology investment priorities for AI?

Organisations in APJ are capitalising on machine learning and software platforms to enable data and AI teams to scale and drive efficiency in AI deployments.



- Al leaders have cultivated in-house expertise and are now focused on enhancing developer productivity, collaboration and performance. They are leveraging advanced platforms for machine learning (ML), Al, business intelligence and application development to drive these improvements.
- Al followers focus on consulting and services (36%) and cloud computing, demonstrating a reliance on external resources to define the right strategy, roadmap and use cases, and to source digital skills they lack internally.
- Asia Pacific organisations' technology investment priorities indicate a balanced approach, combining external expertise (consulting services) with robust internal infrastructure and technical capabilities.
- Organisations will continue to invest in infrastructure and AI technical capabilities such as AI modelling, cloud computing, software development and analytics to raise their AI maturity.
- This shift to a platform strategy is driven by a need for better data management, increased automation, and greater homogeneity in the tools that data and AI teams use to enhance productivity and performance internally.

At different stages of AI maturity, enterprises must invest in different technologies – combining external services with internal skills, from embedded AI to AI platforms.

Market Insights

What returns are organisations in Asia Pacific expecting from their AI investments?

Expectations are high with the anticipation that AI projects will deliver two to three times ROI, hence large investment increases in AI are planned for the next 12 months.



With more use cases deployed, Al offers significant promises on ROI. The numbers highlight the widespread optimism and potential value Al technologies can bring to operations and profitability. However, expectations may not meet reality, with ROI often falling short of management's plans. Board pressures mean executives need to show results quickly, but Al initiatives take time to develop – gathering data, collating learnings and model fine-tuning all mean a longer gestation period.

Investment changes in AI in the next 12 months

The optimism around AI's potential to make substantial improvements to business and operational performance is reflected in the substantial increase in AI investments anticipated for the coming year.

Industry Insights



First-mover advantage

Organisations in Asia Pacific face the threat of a two-tiered AI development, with AI leaders deriving significant value from AI projects to justify further investment in future initiatives. This leads to a more rapid evolution, economies of scale and better performance, which AI followers will struggle to match.



What might stop organisations from meeting their AI expectations?

For Asia Pacific organisations, the top challenges are a lack of skills and data governance.

Organisations' top 3 challenges in implementing AI technology Lack of specialised skilled personnel 35% Data foundation lacks sufficient governance processes 28% Lack of clear evaluation criteria for the AI solutions 27% Costs associated with AI development and deployment 26% Concerns about data or IP loss due to improper use of AI 25% Lack of AI governance and risk management 25%

- The top challenges in implementing AI technology – shortage of skills (35%) and an inadequate data foundation (28%) – all tie back to organisations' lack of development and experience with AI. It stems from the absence of a clear strategy, frameworks, and data governance policies and practices, as well as an inability to prioritise use cases.
- As they mature in their Al journey, their focus shifts to integrating Al into their organisations, maximising ROI and using it to transform their business, and ensuring strict governance of Al use and data.
- Data or intellectual property (IP) loss due to improper use of AI are major challenges, with reputational risk and compliance requirements at the top of the mind of senior executives.

Lack of skills as well as data governance and management are major impediments for most AI projects.

What capabilities do organisations need to develop?

Asia Pacific organisations prioritise data governance, skills and model development.

Current top 3 priorities for developing AI capabilities in the organisation



- Al followers recognise the need for strong foundations and are building data science teams, internal skills and a responsible Al policy to ensure they are well placed to scale future projects that move from POC to full production.
- Al leaders have crossed those initial hurdles and have turned their attention to monitoring and maximising the performance of deployed models, and building the enterprise Al technology architecture to scale their Al deployments.
- Leaders and AI followers are both concerned about data management and governance as they face the ongoing challenge to create, maintain and produce high-quality data for AI use cases.

Al leaders are building an enterprise architecture to scale Al deployments. They extract additional value by scaling their ModelOps practices, including model monitoring and optimisation.

maturity develops, organisations may shift to GenAl-driven applications such as marketing, knowledge management, product innovation, R&D and data

What are the current and planned AI use cases?

Asia Pacific organisations are deploying AI functional and productivity use cases such as process automation, with GenAI use cases like code generation more recently coming to the fore.

Top current AI use cases

Functions such as marketing and IT heavily utilise AI, especially GenAI for copywriting, DevOps, testing and cybersecurity. Similarly, FSI industry prioritises AI, particularly predictive AI for risk and fraud detection.



How are organisations deploying AI and GenAI?

Al leaders favour a mix of build and buy for their Al and GenAl models; Al followers prefer off-the-shelf solutions.

The build versus buy conundrum: 72% of Asia Pacific organisations prefer off-the-shelf or a mix of in-house build and off-the-shelf Al models. Due to inadequate skills and maturity, organisations lack confidence in building their own Al/GenAl models. Organisations increasingly prefer a mix of off-the-shelf solutions and building their own Al models to accelerate time to market, especially for those at an early stage of Al maturity. These prebuilt solutions are cost effective, easy to use, can quickly integrate Al into existing systems, and are ideal for organisations without the expertise or data to build custom models.

Conversely, AI leaders with more advanced capabilities are more likely to develop their own AI models. Hence, 35% plan to build 100% of their models in-house and leverage off-theshelf models to fully capitalise on enterprise data through advanced techniques like retrieval-augmented generation.

APJ organisations' approach to deploying and using AI models

Al leaders
 Al followers



Main drivers for organisations to buy off-the-shelf models



Al leaders often prefer a combination of building their own solutions and adopting off-the-shelf models, balancing governance with scalability and flexibility.

34%

34%

34%

Drastic change in

Al investment allocation

How has AI investment changed?

Al is more than GenAl, but the latter is driving a spike in Al spending in the region.

2024 investment allocation for Al-related development, data and infrastructure

Al is an overarching term that can be categorised into three classes of capabilities: predictive Al, interpretive Al and GenAl.

Predictive AI

Interpretive AI

Use case: cancer detection.

- Utilises historical data and provides future predictions.
- Use cases: risk forecasting and financial fraud detection.



47%

2023

• 2024

- GenAl is rapidly gaining traction with a tremendous surge in spending between 2023 and 2024, now solidly accounting for one-third of total Al investment. An overwhelming 87% of organisations in Asia Pacific stated that GenAl has been a driver for IT spending increases.* A big shift from interpretive Al to GenAl has taken place, with companies in this study saying they have funded GenAl projects by moving budget from other Al initiatives.
- Interpretive and predictive AI have already demonstrated well-established use cases with proven ROI, particularly across health care, finance and manufacturing. Looking ahead, the future of AI will increasingly require the integration of all three types of AI to unlock new, more complex use cases. While there is a surge in GenAI spending due to its transformative capabilities, this trend will not overshadow the importance of interpretive and predictive AI.

GenAl

• Creates new content/code using previously created content/code.

• Enhances human efforts, advancing tasks such as image and voice recognition.

19%

• Examples: ChatGPT and developer copilots.

Source: IDC's Data and AI Pulse: Asia Pacific study, 2024, (n=509)

*Sources: GenAl ARC, 2023; FERS, Wave 1, 2024 (AP n = 252), FERS Wave 9 - 2023

> Despite the explosive growth in GenAI spending, it is unlikely to overshadow predictive and interpretive AI.

32%

Where is the money for GenAl coming from?

Organisations are reallocating budgets to GenAl projects from infrastructure/software modernisation and digital transformation projects and also relying on fresh funding from IT and lines of business.



- Innovation is prioritised over maintenance in IT budgets as demonstrated in the shifting of funds from traditional IT projects, such as application and infrastructure modernisation to AI initiatives. Similarly, digital transformation, which was a top priority just a few years ago and has made significant strides, is now eclipsed by growing interest in AI initiatives. This move once again reflects the high hopes that GenAI will deliver greater value and faster returns than incremental improvements in existing systems.
- Companies are also reallocating budgets from other Al projects, mostly interpretive Al, in response to the growing focus on GenAl, reflecting a more tactical and reactive approach.
- Along with budget reallocation, companies have also raised their overall IT budgets to accommodate Al investments. New funding sources that come from individual business units show a decentralised funding approach due to the growing importance of LOB-driven use cases.

Innovation is prioritised over maintenance in IT budgeting as companies are shifting budgets from traditional IT projects to GenAI initiatives.

Why do some AI initiatives fail?

Al followers point to data restrictions, poor data management and skill gaps as reasons for falling short of their Al goals.

Key factors contributing to Al initiatives failing to meet initial expectations Data-specific challenges lead to failure of Al initiatives



- Despite substantial and rapid investments in Asia Pacific, half of organisations reported that up to 29% of their Al/ML projects have failed. Similarly, approximately 30% of GenAl POC projects were unsuccessful in the past year.*
- The critical barriers to AI success include restricted access to quality data, which is essential for building effective models, and a shortage of in-house talent needed for AI development and maintenance. Additionally, rapidly changing data can quickly render AI models outdated, which makes scaling pilots to enterprise-wide implementation difficult. These issues are more prominent for followers as they are just starting to invest in data assets and building skills.
- Al leaders, who have progressed beyond addressing data and skills challenges, have shifted the emphasis to privacy and compliance concerns, and investing more in Al platforms and tools, signalling an awareness of the risks and complexities related to evolving regulations and the need to protect critical data.

*Source: IDC's AP Data, AI, GenAI and Insights Survey, Future Enterprise Resilience Survey Wave 4, 2024

For successful AI, companies must build internal skills, improve data access and quality, and address any data privacy and compliance issues.

What are the challenges in managing data?

Eliminating unused data sets and expired data and removing storage-related bottlenecks will ensure AI modelling performance, delivering faster insights and improved accuracy.

Data challenges



Data privacy and compliance challenges



Eliminating unused or unneeded copies of data sets across the data infrastructure



Data storage-related bottlenecks slowing down Al modelling



Inclusion of old or expired data in AI modelling



Data quality issues impacting model accuracy



Difficulty in accessing relevant data sources

- The survey highlights a lack of capability in proper management across the data layer. Organisations will need to invest greater time and resources to clean up their data.
- To mitigate data challenges, Asia Pacific organisations can invest in data governance platforms that streamline data management and eliminate redundant data sets. Al data cleansing tools can also ensure that only relevant and current data is used in Al modelling, maintaining the accuracy and reliability of Al outputs.
- In addition, high-performance data storage solutions, such as those provided by cloud/hybrid cloud providers, help overcome storage bottlenecks, ensuring efficient data flow and faster Al processing.
- The selection of expert partners and vendors will be crucial for ensuring the data layer has been updated and prepared for AI use case implementation.
 - Organisations need to put in time and resources to clean up their data.

What type of data assets are companies using?

Overcoming data challenges requires a hybrid data asset strategy, integration of disparate data sources, and leveraging each platform's unique strengths for scalability and flexibility.

Primary data assets used by Asia Pacific organisations



- Most organisations use a mix of data assets data warehouses, direct database access and cloud solutions – to take advantage of the strengths of each platform, effectively managing diverse data types and workloads.
- As data volumes continue to grow, advanced platforms like hybrid and multicloud storage, edge computing, and Al-integrated data lakes will become increasingly dominant. In Asia Pacific, with its complex multi-country operations and regulatory demands, robust data integration solutions are essential for consolidating information.
- This hybrid approach addresses the region's needs for data consolidation, analysis and accessibility. It also supports digital transformation and addresses skills deficiency by democratising data access.

Scaling AI means building an integrated data infrastructure that supports hybrid data assets.

Market Insights

What is an enterprise intelligence architecture?

Organisations must build capabilities across the four data planes for better decision making, efficient data/AI model management, improved data quality and governance, and robust data integration.



Source: IDC AI Adoption Model Train Presentation, 2024

-> Al leaders use data platforms to support scalable Al across every aspect of the business.

Trustworthiness

Fairness and non-discrimination

Transparency and explainability

Accountability and responsibility

Reliability and safety

Privacy and security

Ethical alignment

well-being

Social and environmental

How do we make AI more trustworthy?

æ

Start the data and AI journey with trust from day one – supported by technology, processes, talent and governance.

Al ethics

Al ethics provide the philosophical foundation and considerations to align Al usage with user expectations, organisational values, and societal laws and norms.

Al ethics guide the development, deployment, and use of Al across the enterprise and its ecosystems.



Operationalise ethical alignment by:

Developing Al with fairness in mind to avoid bias.

Ensuring that AI systems are transparent, and that their decisions can be explained. Incorporating mechanisms for accountability and reparation if AI systems cause harm.

- Responsible AI (RAI) practices offer protection against data bias and data loss, ensure strong governance and processes, and are at the heart of trustworthy and safe AI solutions.
- The entire C-suite has a role to play in leadership, due diligence, navigating workplace changes, and considering internal and external partners.

IDC defines responsible AI

as the practice of designing, developing and deploying Al in a way that ensures fairness, reliability and safety, privacy and security, inclusiveness, transparency, and accountability.

Source: IDC, 2024

Neglect of AI ethics is not just a moral quandary; it is a significant business risk that compromises AI trustworthiness, fairness and accountability.

Market Insights

What are AI risks and the critical aspects of an RAI platform?

RAI policies protect organisations from liabilities and risks that would harm company reputation, incur costs and impede wider Al adoption. Embedding human-centric perspectives in Al development ensures RAI.

Top concerns that RAI protects organisations against



Ethical violations. unintended biases and discrimination



Regulatory risk/ non-compliance

- Successful AI projects prioritise a humancentric approach, focusing on employee needs rather than solely on technological advancements.
- This emphasis on human-centric design and ethical considerations helps organisations navigate the complexities of AI, ensuring trust, fairness and compliance.
- Key concerns in the region include the diverse regulatory landscape, cultural and ethical sensitivities, liability issues, and the need to build and maintain trust with stakeholders.
- These challenges highlight the importance of developing AI solutions that are not only advanced but also ethically sound and legally compliant - crucial for sustaining long-term success and reputation in the region.

Building trustworthy AI shields organisations from risks and liabilities, safeguards reputation, and ensures ethical fairness.

Most critical aspects of an RAI platform



RAI platforms – crucial for maintaining AI explainability and transparency - and enabling fair and trustworthy outcomes. This requires organisations to prioritise human insight and judgment in AI applications to deliver transparent and ethical results.

Asia Pacific organisations are investing in

Al leaders say that Al privacy and security (30.2%), and governance and policy control (30%) are the most critical aspects of an RAI platform. With wider use case adoption, AI leaders need to maintain user confidence in their solutions with strong data privacy performance.

Explainable Al and transparency (XAI techniques)

Trustworthy AI means designing processes with humans and AI in mind. It cannot be an afterthought – AI's success depends on users' confidence in Al outputs.

How do robust ModelOps practices support trustworthy AI?

Disciplined and systematic ModelOps capabilities that develop and manage AI at scale make all the difference.



- Trustworthy AI is the goal, but it can only be achieved through rigorous ModelOps practices. Embedding explainable AI techniques in ModelOps enables models to articulate the reasoning behind their predictions, making them more interpretable and trustworthy for users. These techniques ensure that AI models adhere to ethical standards and regulatory requirements.
- Key priorities also include implementing CI/CD, model management and monitoring in ModelOps, which ensure the seamless and efficient deployment of AI models, reduce the risk of errors, and maintain model performance over time.
- In addition to technical priorities, collaboration is a central focus for ModelOps. Organisations are working to enhance communication between data science, IT and business teams to ensure that AI models are aligned with business goals and operational requirements.

-> ModelOps delivers accountable and fair and balanced insights that build confidence in Al-driven decisions.

What are the tools for ModelOps performance?

Leaders maximise low-code/no-code in ModelOps – streamlining processes, unlocking customisation and ensuring seamless scalability.

In ModelOps, critical tools like hyperparameter optimisation and model versioning systems are essential for maximising performance and effectively managing ML models throughout their life cycles.

The focus is increasingly on automation, integration and scalability, with a shift towards unified platforms that streamline the entire model life cycle, and efficiently handle large-scale Al operations, especially in cloud environments.



Low-code/no-code platforms are utilised in ModelOps more extensively by AI leaders than followers. These solutions allow data scientists to set up and run optimisation processes with minimal coding, and simplify versioning and tracking, giving them more time to focus on activities with higher demand for customisation or requiring the usage of yes-code.

Industry Insights

Al leaders often have complex, established operations and a diverse range of users with varying coding skills. Low-code/no-code platforms offer the scalability needed to integrate seamlessly with existing systems and support both technical and non-technical users.

Use of low-code/no-code vs. yes-code tools



-> Al leaders use low-code/no-code and ModelOps tools in combination with programming solutions to accelerate Al performance.

What are the critical factors for AI performance?

ModelOps and model validation and monitoring are the most critical for AI performance.

Top 5 factors critical to AI performance



 The most critical factor for Al success is model management/ ModelOps, as it encompasses the full life cycle management of Al models, ensuring they remain effective, scalable and aligned with business goals. Without robust ModelOps practices, Al models may quickly become obsolete or fail to deliver the expected results, leading to operational inefficiencies and a loss of trust in Al systems.

 Other factors such as robust model training, continuous monitoring, data loss prevention, and security and data measures are interdependent and, collectively, are essential for optimal AI performance.

> Managing data and models, ModelOps, and security are critical to ensuring AI performance.

How do AI and GenAI enhance IT and data teams' productivity?

Al and GenAl promise a productivity boost by automating operations and ensuring effective data management.

Automating IT tasks is among the top AI use cases that deliver the greatest ROI to 48% of Asia Pacific companies.* GenAI can automate key processes like coding, testing and IT operations, reducing development time, minimising human error and lowering operational costs, thereby driving greater overall efficiency in IT functions.

There is a growing recognition that IT initiatives must directly contribute to organisational goals such as revenue growth, cost reduction and customer satisfaction to justify investments. Leaders strongly emphasise outcomes and operational efficiency for metrics such as business impact, feature engineering efficiency and time to deployment. Followers, on the other hand, are fixed on their processes and infrastructure rather than optimising for business results.

*Source: GenAl ARC, 2023, n = AP 605

GenAl's impact on productivity metrics in IT



Metrics that Asia Pacific organisations use to measure data scientists' and ModelOps engineers' productivity



Al leaders are increasingly using business outcome-driven metrics for IT and data science team productivity, with GenAl enabling more efficient and cost-effective operations.

Tech focus has shifted to

trusted AI solutions that

Al model management and

performance. Al-embedded

apps, and AI skills improvement

for internal staff, and delivering

incorporate strong governance

and privacy enhancements.

and policy controls, data control.

Industry Insights

To comply with Basel III, banks

prioritise Al-driven use cases

like liquidity risk management

and ALM. These require top-

tier security for sensitive data

accuracy, and enhance decision-

to maintain compliance and

making capabilities.

What is the impact of AI on banking?

Banks need to shift from a

short-term tactical approach

to strategically integrating

Al across the value chain

by aligning with business

goals, investing in scalable

infrastructure and fostering

cross-functional collaboration

47% of banking organisations expect up to two times, and 46% over three times, return on AI investments.

Inconsistent data foundations

legacy Al projects: stronger

data governance and data

management is crucial for

improving integrity.

from diverse sources and

formats have hindered

The banking sector is strongly expected to continue investments in AI due to its ability to significantly enhance operational efficiency. reduce fraud and improve customer experiences. But to deliver the promise of revenue growth, cost reduction and higher profits. banks must overcome the lack of data governance across their processes and a shortage of specialised personnel skilled in Al.

AI Strategy

Al maturity in the banking sector	Top 3 challenges in implementing		Top banking	use cases lever	raging Al tools a	nd platforms		
Evaluating	Al technolog	IY		•	•	•	•	•
16%	1	2	3	Liquidity risk management	Asset & liability management	Financial crime analytics	ldentity and digital fraud	Payments fraud
Planned 16%	Data foundation lacks sufficient	Lack of compelling business case/	Lack of specialised skilled	Primary bene	efits of adopting	g Al technologie	s for banking	use cases
Functional	governance	unable to	personnel	•	•	•	•	•
26%	processes	realise ROI		Reduce legacy technology burden	Quicker time to market for new/ existing products	Cost savings from automating existing	Informed risk decisioning	Contextualised & targeted customer
12%	Nearly a third of they faced spe	of organisatior cific data chal	ns said lenges :			processes		engagement
Integrated	inconsistent or	incomplete da	ata entries,	Top tech inve	estment prioritie	es		
22%	difficulty access	sing relevant c	lata sources,	40 %	33%	31 %	31 %	29 %
Transformative 8%	nign costs asso and processing integration fron	g, and inefficier m multiple sour	nta storage nt data rces.	Al-driven analytics and business intelligence	ML and deep learning platforms	Cloud computing infrastructure/ IT infrastructure	Software platforms for application development	IT consulting and services for Al projects

Banks should invest in platforms to address data and Al implementation challenges and develop capabilities that will optimise their tech investments, including adopting Al-embedded applications, improving the monitoring of deployed Al models' performance, Al-related employee training and reskilling, and driving productivity initiatives. These capabilities will help bankers generate better ROI from uses cases such as intelligent pricing customisation and drive better business value.



Ongoing Al investments

to modernise outdated

testing and overall IT

productivity.

offer banks opportunities

improvements in software

systems, with GenAl promising

What is the impact of AI on insurance?

50% of insurers expect up to two times, and 41% over three to four times, return on AI investments.

The Asia Pacific insurance industry anticipates returns from continued investments in AI because of its potential to enhance operational efficiency, streamline underwriting processes and significantly reduce fraud risk. Al-driven improvements in claims management and personalised customer experiences contribute to both cost reduction and revenue growth. This transformation enables insurers to enhance profitability while improving service delivery, and ensures compliance in a highly regulated environment.

 Insurance companies need to move away from a functional to a strategic approach to integrate Al across their operations. ensure alignment with business objectives, and invest in scalable infrastructure and crossfunctional collaboration.

Al maturity in the insurance sector

14%

23%

23%

32%

Evaluating 5%

Planned

Functional

Integrated

 \rightarrow

Short-term focus

5%

Transformative

 Fragmented and inconsistent data from various sources has historically hampered AI initiatives: hence, robust data governance is essential to enhance data integrity and drive successful AI implementations. and to account for the highly regulated nature of the industry.

Al technology

Data

foundation is

not centralised

or optimised in

the cloud

documentation.

- Insurance is now shifting towards optimising AI model management and performance. Al embedded applications, and cloud while delivering trusted AI solutions through bias mitigation and explainable AI (XAI) techniques.
- To comply with stringent regulatory frameworks and manage underwriting risks. insurers prioritise AI use cases such as insurance claims fraud. necessitating top-tier security for handling sensitive policyholder data.

Industry Insights

- Ongoing Al investments provide insurers with opportunities to modernise outdated systems with GenAl (through better software testing and code generation) offering improvements in claims processing and operational efficiency.

Top 3 challenges in implementing Top insurance use cases leveraging AI tools and platforms Insurance claims Omni-channel Intelligent pricing and Insurance contract 2 3 fraud delivery of products product customisation valuation Organisation Lack of is in a highly specialised Primary benefits of adopting AI technologies for insurance use cases regulated skilled industry personnel Greater Streamlined. Contextualised Governance Augmented automation agile decisionpolicyholder and control analytics making process engagement (in model development and Nearly half of insurers said they faced deployment) specific data challenges: data quality issues impacting model accuracy, Top tech investment priorities insufficient metadata and data 32% 32% 32% 41% 36% Al embedded Cloud computing Software Networking Al models, including applications infrastructure/ platforms for foundation models, and model IT infrastructure application development management

Insurance companies must develop capabilities that will optimise their tech investments. These include building and running a data science and AI team, Al-related employee training and reskilling, and safeguarding the security of Al systems, including compliance with GDPR. These capabilities will help insurers derive better ROI from use cases such as intelligent pricing customisation, enhancing operational efficiency, driving revenue growth or optimising costs.

What is the impact of AI in health care and life sciences? 35% of HLS organisations expect up to two times, and 47% over three times, return on AI investments.

Health care and life sciences (HLS) organisations in Asia Pacific are focused on optimising return from investments in AI, leveraging it to enhance operational workflows, improve patient outcomes and reduce fraud in claims processes. Al-driven advancements - supported by end-toend data management - in personalised care and patient management and safety drive business value. This transformation helps health care providers boost financial performance while ensuring regulatory compliance and data security in a complex environment.

AI Strategy

 HLS organisations need to shift from tactical AI deployments to strategically integrating AI across the care continuum by aligning AI initiatives with core objectives, investing in scalable infrastructure and promoting cross-functional collaboration.

Al maturity in the HLS sector

17%

19%

20%

20%

18%

Evaluating 5%

Planned

Functional

Integrated

 \rightarrow

Short-term focus

Transformative

 Inconsistent data foundations. stemming from diverse sources such as EHRs, claims data and clinical trials, have hindered legacy Al projects. Improving data governance and management is essential to ensure data integrity and interoperability across systems.

1

- HLS organisations are focusing on bringing in external expertise from IT consulting partners for AI projects, investing in software platforms and cloud. and upskilling health care professionals to leverage AI tools effectively.
- They are creating trustworthy Al built on robust governance policy and control, strong security measures, and ensuring Al models present fair outcomes for customers and nondiscrimination

development

 Ongoing Al investments provide opportunities for modernising IT systems with GenAI through ITOps optimisation and automation, and enhanced software testing – holding promise for advancements in diagnostics and better patient safetv.

Market Insights

Top health care use cases leveraging AI tools and platforms Health care Use of real world Improved Medical resource Clinical trial design fraud and cost and synthetic real-time patient/ optimisation optimisation containment data to accelerate drug safety regulatory approvals Primary benefits of adopting AI technologies for HLS use cases End-to-end Faster Synthetic data Enhanced Streamlined, agile data time to market aeneration collaboration decision-making management across teams process Top tech investment priorities 39% 33% 31% 31% 31% IT consulting and Software Cloud computing Al embedded Security and services for AI platforms for infrastructure/ applications fraud protection projects application IT infrastructure

HLS organisations must develop capabilities that will optimise their tech investments. These include developing a robust AI strategy, adopting a data management and governance life cycle approach to AI, implementing a responsible AI policy, and improving the monitoring of deployed AI models performance. These will help them achieve better ROI from use cases like health care fraud and cost containment, resulting in improved performance and better patient outcomes.

Al technology 2 3 Lack of Concerns Data specialised about data or foundation skilled IP loss due to lacks sufficient personnel improper use governance

processes

Approximately a third of HLS companies said they faced specific data challenges: eliminating unused or unneeded copies of data sets across data infrastructure. and inclusion of old or expired data in Al modellina.

of Al

Top 3 challenges in implementing





Agencies must evolve from short-

Lacking skilled personnel, the

Governments are also

Investigations

management

Governance and

control augmented

analytics

28%

Software platforms for application

development

Industry Insights

Governments are focused

What is the impact of AI in government?

The government sector must overcome a lack of skills to deliver trustworthy AI and high-value use cases.

Disparate data sources.

The aovernment sector in Asia Pacific is using Al technology to streamline operational processes, improve service delivery and enhance overall compliance for public programmes. Al-driven advancements, supported by comprehensive data management systems, boost efficiency in areas like citizen services and public safety. This digital transformation enables aovernment bodies to optimise resource allocation and safeguard data security, ultimately driving greater public value.



Government organisations must develop capabilities that will maximise their tech investments. These include adopting a data management and governance life cycle approach to AI, introducing AI-related employee training and reskilling, improving AI performance through ML platforms, and developing and fine-tuning AI models. These capabilities will help agencies attain better ROI from use cases such as social benefits and emergency response programmes and drive value creation.

All and a fact that the Accepture It a

How is Australia progressing in AI?

Australian organisations are betting on AI for growth, but skills, data and governance are key hurdles.

Trustworthy AI

- While most Australian organisations are at the midstages of Al adoption, approximately one-third are only just beginning their journey, evaluating Al's potential and considering future investments.
- Australian organisations expect Al to deliver revenue growth, cost reduction and faster time to market, with most expecting Al to deliver returns of two to three times their investment.
- However, challenges remain around data, skills and the complexities of regulatory compliance in implementing AI. These challenges can slow down AI adoption and limit its success rate.
- Organisations face data challenges that hinder the ability to efficiently gather, process and analyse data, which is crucial for training accurate and effective AI models.

Al maturity in Australia			Top 5 business ou
Transformative 9%			
Integrated	18%		
Short-term focus	10 /0		
		28%	Deitro serverence
Functional	18%		growth
Disconnected			
Diamand			Data management
Planned	18%		
Evaluating 10%			41%
Top challenges in Al tec	hnology imple	ementation	
Lack of specialised skilled pers	sonnel		Data
		35%	engineering
Data foundation lacks sufficier	nt governance pro	ocesses 30%	complexity
Organisation is in a highly regu	ulated industry	30%	





Data management and access limitation lead to AI failure



Market Insights

What are the critical factors for AI performance in Australia?

Data platforms and ModelOps enhance AI performance as stricter regulations push for trustworthy AI practice.

 In Australia, Al performance is increasingly driven by efficient data and model management, alongside growing considerations for regulatory compliance. This balanced approach strongly focuses on using robust data platforms to streamline data management and model oversight, enhance collaboration across teams, improve data management, and provide real-time insights.

AI Strategy

- Australian organisations' responsible Al frameworks prioritise fair outcomes, explainable AI (XAI) and strong data governance, especially since the government introduced mandatory guardrails for high-risk AI. These regulations stress accountability, transparency, record keeping and meaningful human oversight of AI systems. Stricter AI policies are pushing companies to prioritise responsible and trustworthy AI practices.
- Evolving ModelOps strategies reflect the greater weight put on trustworthy AI and data management by improving model transparency and performance.

Australian organisations should focus on improving robust data management and model operations, and developing skills, underpinned by a responsible AI practice framework.





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How is China progressing in Al?

27% of Chinese organisations are described as AI leaders, showing a more mature state of AI development.

- Chinese organisations are investing heavily in AI, with more than a quarter leading in AI capabilities and only very few that are not developing AI.
- Their key focus is using AI to drive financial growth and expand market presence, particularly in the ASEAN markets. By leveraging AI, they aim to gain a competitive edge domestically and internationally.
- Despite their advancement, Chinese companies face notable challenges, particularly with the shortage of skilled AI professionals and weak data foundations. Additionally, many lack robust AI governance frameworks and risk management practices to ensure ethical and secure AI deployment.
- Data access restrictions are the most critical factor hindering AI success, often leading to project failures and limiting the full potential of AI initiatives.



Inability to

access data due

to infrastructure

restrictions

Data sets are constantly changing or rapidly expiring Security and

data privacy

Al privacy and security

Bias mitigation

Responsible AI platform priorities

Governance and policy control

5 critical factors to ensure AI performance

Regulatory

compliance

What are the critical factors for AI performance in China?

Strong focus on security and governance can help drive better AI scalability and data management.

 Chinese organisations emphasise security, compliance, skilled talent and effective model operations as critical elements for Al success. Achieving these forms the foundation for scaling Al as they continue to mature in their Al capabilities.

AI Strategy

- For responsible AI, organisations prioritise bias mitigation, AI privacy and security, and governance with strong policy controls. As they rapidly adopt AI, ensuring fairness, safeguarding data and adhering to ethical governance frameworks are vital for building public trust and brand worthiness, especially when expanding to international markets.
- Leveraging data platforms and ModelOps can help organisations maintain AI quality, improve operational efficiency, and uphold stringent security and compliance measures – critical for responsible AI deployment.
- The demand for AI skills has intensified competition for data and AI talent, and organisations are prioritising skill availability.

 deployment
 channels
 management for Al infrastructure
 Better data quality and consistency

 pipelines for ML models
 science, IT and business teams
 19%

To effectively scale AI, Chinese organisations must build a robust talent pipeline as a priority, ensure trustworthy AI practices and establish a solid data foundation.

000

63

Model management/

ModelOps

and data quality

Streamlined decision-making processes

Improved data accessibility and availability

Real-time data insights and analytics

Robust model

training

Availability

of skills

34

Data platforms improve decision making

26%

25%

33%

How is India progressing in AI?

Cost concerns and the need for ROI realisation are both drivers of, and barriers to, organisations' AI adoption.

- Indian organisations are progressing in AI implementation, mostly led by large entities with well-established infrastructure and processes.
- While AI promises market expansion, cost savings and enhanced employee productivity, many organisations find it challenging to invest without a clear path to generating tangible returns. This creates a delicate balancing act

 companies are eager to harness AI's potential but must be mindful of the significant upfront investments required. To justify greater AI implementation, organisations need to make strategic, well-calculated investments that align with their business goals, ensuring that the benefits of AI can be realised without compromising financial stability.
- Indian companies also face significant challenges around data governance and management, which further complicate Al adoption efforts. Inadequate data quality, inconsistent data governance and data restrictions hinder the ability to fully leverage Al technologies.

Data management and access limitation lead to AI failure

What are the critical factors for AI performance in India?

Boosting infrastructure investments and leveraging data platforms enhance Indian companies' AI success.

5 critical factors to ensure AI performance

Computational power and infrastructure are critical factors for Al performance. yet possessing these is a significant challenge for Indian organisations. It requires substantial investments, which can be difficult for cost-conscious organisations.

AI Strategy

- Indian companies emphasise human oversight, along with bias mitigation and clear documentation, to ensure their AI platforms are responsible and trustworthy. Human oversight is especially critical during the training phase of AI models, as this is when the foundations for the model's behaviour and decision-making processes are established.
- Utilising data platforms and ModelOps ensures Al quality, enhances operational efficiency, and ensures robust security and compliance protocols, all of which are essential for trustworthy AI deployment.

ο ο ο Security and Model management/ Computational Data classifiers/ Continuous data monitoring data privacy ModelOps power/ **DLP** tools Infrastructure **Responsible AI platform priorities ModelOps** priorities Data platforms improve decision making and data quality Bias mitigation Increased efficiency in data processing and analysis/ 47% 35% 35% 32% Improved organisational efficiency Human oversight 26% Clear documentation and Establishing Implementing Implementing Improvina Real-time data insights and analytics collaboration continuous explainable Al feedback loops communication of AI capabilities 26% integration and (XAI) techniques and iteration and communication continuous for model cycles for model and limitations channels deployment interpretability improvement Streamlined decision-making processes (CI/CD) between data 26% science. IT and pipelines for business teams ML models

Indian organisations should prioritise AI trustworthiness by ensuring strong governance while developing their AI foundation models. They must carefully evaluate AI investments, focusing on strategic areas with clear ROI metrics to drive operational efficiency and business growth.

How is Japan progressing in AI?

Most organisations deploy AI at a functional level and are hindered by inefficient data management and data restrictions.

- Japanese organisations leverage Al to improve operational efficiency, strengthen business resilience and foster innovation. However, they face significant challenges, including a shortage of necessary Al skills, inadequate evaluation criteria for Al performance, and a lack of comprehensive Al governance frameworks, which are foundational requirements for implementing Al. As a result, half have only adopted Al at a functional level with a shortterm focus, without fully progressing to more strategic, organisation-wide implementations.
- Difficulties in managing data arise from the volume of data and the constant change or rapid expiration of data sets, which require continuous updates to ensure relevance and accuracy. Access issues stem from both business and infrastructure restrictions, which prevent companies from obtaining the necessary data, further limiting the potential of Al systems.

Improve Increase Become more business efficiency Become more

Data management and access limitation lead to AI failure

Market Insights

What are the critical factors for AI performance in Japan?

Organisations look to data platforms and ModelOps to boost AI performance, but trustworthy AI is equally important.

 Data challenges are pushing Japanese organisations to concentrate on data platforms and ModelOps to ensure AI performance and to streamline their Al operations. The "operationalised" approach to AI, which emphasises automation and efficiency, can indeed optimise processes and improve scalability.

AI Strategy

• Currently, Japan has no Al-specific regulations and no immediate plans to introduce them. Instead, the government favours a light touch, innovation-friendly "agile governance" approach, offering non-binding guidance while relying on the private sector's voluntary self-regulation. As a result, there is less emphasis on responsible AI in the key factors driving Al performance at the enterprise level. However, AI and data management systems must go beyond automation to incorporate human oversight and address nuanced complexities that machines alone cannot handle.

5 critical factors to ensure AI performance QQQ 603 Data classifiers/ Integration with Robust model Continuous data **ModelOps** training and **DLP** tools existing systems monitorina validation techniques **ModelOps** priorities Data platforms improve decision making and data guality Streamlined decision-making processes 37% 31% 24% 24% 32% and education Improved data accessibility and availability Establishing Implementing Improving Improvinc 27% collaboration feedback loops model governance and iteration and monitoring and and compliance communication performance cycles for model frameworks Real-time data insights and analytics channels improvement tracking for AI models 25% between data science, IT and business teams

To scale AI effectively, Japanese organisations must enhance responsible AI practices, even though they have not yet been mandated by regulations. This will mitigate evolving risks and improve competitiveness, especially when expanding to markets with more stringent AI regulations.

38

36%

How is South Korea progressing in Al?

30% of companies delay AI investment due to business value concerns and talent shortages.

- South Korea, a global leader in technology and manufacturing, is home to some of the region's largest and most advanced family-controlled conglomerates. There is strong Al development in sectors like autonomous vehicles, health care and smart manufacturing.
- However, 26% of organisations have a short-term focus for AI initiatives, and 30% are still at the evaluation and planning stages.
- Talent shortage is the top challenge in Al implementation, attributed to the country's aging population, and suggests greater investment in developing Al skills is needed. Korean organisations will benefit from developing an Al use case roadmap.
- Limited data access and inefficiencies in handling data can significantly hinder Al performance, often leading to project failures due to insufficient or inaccurate information for model training and decision making.

Data for AI

Robust model

training and

validation techniques

What are the critical factors for AI performance in South Korea?

Regulatory

compliance

Presence of strong data and model practices, but better business value evaluation and measurable ROI are needed.

5 critical factors to ensure AI performance

Trustworthy AI

- Korean organisations adopt a balanced approach that prioritises trustworthy Al, ensuring transparency, fairness and ethical standards in their AI systems. This approach also emphasises strong data management practices and effective model management to maintain accuracy and reliability in Al applications. These factors are deeply interconnected and create a feedback loop: trustworthy Al practices set the ethical framework. data platforms ensure the right data flows into the models, and ModelOps operationalises AI models while ensuring ongoing ethical compliance and performance.
- Korean companies see the benefits of data platforms in enabling continuous monitoring by offering real-time insights, streamlined decision making and improved data accessibility. They also enhance data security and privacy with advanced features, which in turn ensure responsible AI practices.

23% Difficulty in use case evaluation – and making businesses cases for Al investment – is the biggest challenge for South Korean organisations. Engaging external expertise can help organisations identify AI use cases that align with their needs and can augment their data and model capabilities.

Responsible AI platform priorities

- Clear documentation and communication of AI capabilities and limitations
- Governance and policy control
- Human oversight

(8)

Security and

data privacy

000

0

Model management/

ModelOps

monitoring

40

33%

28%

23%

AI Strategy

Market Insights

What is the progress of AI in Southeast Asia?

Uneven AI development stems from foundational challenges in costs, skills and evaluation criteria.

- Al maturity in Southeast Asia* is polarised, with more AI leaders emerging in Singapore, while organisations in Thailand and Malaysia remain in the early to midstages of development. Expected Al outcomes in many organisations tend to be internally focused, with a strong emphasis on achieving cost savings, improving operational efficiency and boosting profitability. This internal focus allows businesses to optimise resources and maximise returns, but it can also limit Al-driven innovation in customer experience, market expansion, or external-facing products and services.
- The challenges they face are typical of early adopters, such as evaluating the right AI solutions, managing costs and acquiring the necessary skills for deployment.
- Data issues such as poor-quality data, limited access to information and compliance concerns are major contributors to AI project failures.

*This study covers Malaysia, Singapore and Thailand only.

Untrustworthv

or poor-quality

data sources

Market Insights

What are the critical factors for AI performance in Southeast Asia?

Less stringent regulations reduce focus on trustworthy AI as organisations prioritise infrastructure development.

Trustworthy AI

• Al regulations in Southeast Asia are fragmented, with no specific AI laws in place. Thailand and Malaysia take a wait-and-see approach, observing the evolution of AI technologies and use cases before introducing dedicated AI policies. Singapore adopts a balanced strategy, promoting Al innovation while emphasising responsibility, although its policies focus more on guidelines and best practices rather than enforceable regulations. As a result, responsible Al is not a key factor driving AI performance.

AI Strategy

- In the absence of strict government regulations, responsible AI practices are mostly voluntary efforts that put the onus on organisations to exercise human oversight, maintain strong data governance and enforce robust privacy measures.
- Computational power and infrastructure remain critical but challenging for Southeast Asian organisations and require significant investment. The emphasis on overcoming data challenges is driving the adoption of data platforms and ModelOps to ensure optimal AI performance.

5 critical factors to ensure AI performance $\mathbf{Q} \mathbf{Q} \mathbf{Q}$ 6 Model management/ Computational Robust model Continuous Data classifiers/ **ModelOps** data monitoring training and power/ **DLP** tools validation techniques Infrastructure **Responsible AI platform priorities ModelOps** priorities Data platforms improve decision making and data guality Human oversight Streamlined decision-making processes 42% 34% 30% 28% 34% Governance and policy control Improved data accessibility and availability Data governance and privacy measures Automating Establishing mproving 30% collaboration and explainable ΔI feedback loops model communication (XAI) techniques and iteration deployment and channels cycles for model scaling processes for model Enhanced data integration from multiple sources between data interpretability mprovemen science, IT and 20% husiness teams

Southeast Asian organisations should prioritise investments in infrastructure and place a stronger emphasis on trustworthy Al practices. By doing so, they can mitigate future risks, ensure ethical and responsible Al usage, and lay the groundwork for sustainable, scalable AI operations.

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Conclusions

Al gold rush

About 40% of organisations hope to triple their ROI. Despite a fear of missing out and the resultant huge increases in Al investments, economic, regulatory and technological uncertainties require enterprises to remain flexible. Despite the explosive growth in GenAl spending, it is unlikely to overshadow predictive and interpretive Al.

AI strategy

Al has major economies of scale and learning. But scaling Al requires that enterprises pivot and develop several new capabilities. At various stages of Al maturity, organisations must invest in different technologies – moving from external services to internal skills, from embedded Al to Al platforms. While Al followers consider individual use cases, Al leaders create strategic portfolios of use cases for business value that depend on enterprise architectures to scale their Al deployments. Al leaders often build their own solutions – moving to private Al due to security and data concerns, balancing governance with scalability and flexibility. They extract additional value by carefully monitoring and optimising their Al data and models.

Data for Al

In most Al projects, skills and data management are the first major stumbling blocks. Al poses many data challenges – quality management, access, metadata, lineage, master data management, integration and, of course, security. Scaling Al means building an integrated data infrastructure that supports hybrid data assets. Al leaders must also build internal skills, improve data access and quality, and address any data privacy and compliance issues.

Trustworthy Al

A lack of AI trustworthiness, fairness and accountability poses real business risks. Trustworthy AI means designing processes for humans and technology. It cannot be an afterthought – success depends on users' confidence in AI output.

Al productivity and performance

Al costs and risks can add up! ModelOps delivers accountable and bias-free insights that build confidence in Al-driven decisions. Leaders use low-code/no-code and ModelOps tools to improve Al performance at a lower cost, bypassing the need for extensive data science skills. Increasingly, they use business outcome-driven metrics for IT productivity.

Work with a strategic data and AI platform partner to support your AI journey

A trusted vendor can offer a robust data platform for seamless data integration and better security and compliance standards. The platform can support the entire Al life cycle, from data preparation to deployment, while providing real-time analytics and helping to improve data accessibility.

Methodology

IDC research Quantitative online survey

Survey period June 2024

IDC Research Team

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Chris Marshall is responsible for several areas of research at IDC Asia Pacific. Chris leads the Asia Pacific regional industry research teams, which includes coverage of health care, government, retail, energy, manufacturing and financial services. Additionally, Chris leads IDC's regional teams in data, analytics, artificial intelligence, future of work, and sustainability.

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Rakesh Patni is responsible for the development and growth of the IDC Functional and Industry AI Use Cases research and the Future of Operations and Energy Insights programmes for the Asia Pacific region. He publishes research that caters to both technology buyers and vendors, encompassing custom research and subscription-based offerings. His research focuses on how organisations can harness AI and generative AI technologies for transformative outcomes, identifying the key drivers of this change and outlining the key business outcomes and corresponding metrics.

More about Dr. Chris Marshall

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Lily Phan focuses on research publications and custom solutions that cover the integration of AI and automation technologies to streamline and enhance business processes. Her research scope encompasses various subtopics, including machine learning, natural language processing, robotic process automation (RPA) and other advanced technologies to automate complex tasks.

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