

Please note that this report was developed by Experts of the Global Partnership on Artificial Intelligence's Working Group on Innovation & Commercialization.

The report reflects the personal opinions of GPAI Experts and does not necessarily reflect the views of the Experts' organizations, GPAI, the OECD, or their respective member states.



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Al Solution Portal

The SME Committee of GPAI Experts recognizes that one of the biggest hurdles of AI adoption, especially for SMEs, is getting past the initial inertia. Through discussions and industry experience sharing, the Committee identified three main challenges contributing to the initial inertia: difficulty in finding trusted AI solution providers, lack of knowledge to understand AI and identify AI use cases, and lack of guidance for AI adoption strategy. As a result, the SME Committee specifically developed an AI Solution Portal to address these challenges.

The Solution Portal is comprised of shared materials and programs from across GPAI member states, which reflect the common goal and spirit among the Experts in the Committee: the sense of urgency to help SMEs be prepared for the new economy. Each member state will be able to adopt the portal for local use by changing the logo, color scheme, images, information, and layout.

The Solution Portal proposes various means in helping SMEs to get started in employing AI. While AI Solution Providers can list their solutions on the platform, the Solution Portal admin must approve those AI solutions before they are published. This approval process ensures trusted and quality AI solution listings on the platform. In addition, other than the technicalities of AI solutions, the platform also ensures that all listed AI solutions are compliant with established ethical principles on AI usage, such as GPAI's values and the OECD Principles on Artificial Intelligence. This way, SMEs can focus on applying AI to enhance their business operations rather than getting bogged down with extraneous details.

GPAI AI Maturity Index for SMEs (AIMIND)

The common goal between all Experts in the Committee also manifested into the GPAI AI Maturity Index for SMEs (AIMIND). The SME Committee develops AIMIND based on AI Readiness Index (AIRI) from AI Singapore (AISG) and AI Maturity Assessment Tool from Initiative for Applied AI (appliedAI). It helps SMEs understand their current AI maturity and identify the appropriate approach to adopt AI solutions. For instance, AIMIND would recommend AI Unaware SMEs to consider adopting ready-made AI solutions instead of developing one.

AIMIND consists of 12 questions to assess the AI maturity of organizations across five key pillars of AI adoption: Organizational Maturity; Ethics and Governance Maturity; Business Value Maturity; Data Maturity, and Infrastructure Maturity. SMEs keen to undergo AIMIND assessment could take the self-assessment via the portal.

Summary

Overall, the Experts in the SMEs Committee are highly encouraged by the results achieved through the collaboration and common beliefs shared. The Committee looks forward to delivering the rest of the initiatives as stated in the global Innovation & Commercialization Working Group Report.



Section 1: Matching of SMEs to Al Solution Providers

Al Solution Portal

The Solution Portal integrates AI Resources, AI Solution Matching, and the GPAI AI Maturity Index for SMEs (AIMIND), all designed to help SMEs accelerate their AI adoption. In addition, SMEs will be able to search for relevant AI use cases on the homepage of the Solution Portal.

Image 1: Screenshot of the home page of the Solution Portal

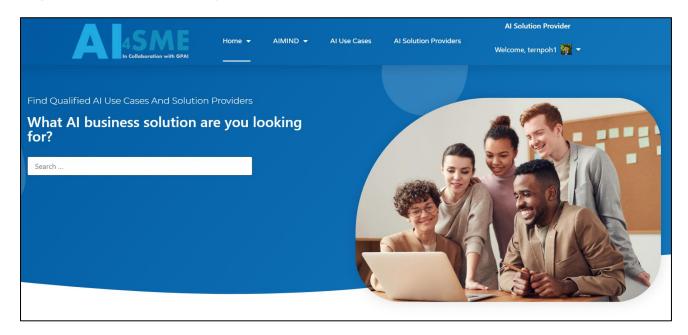
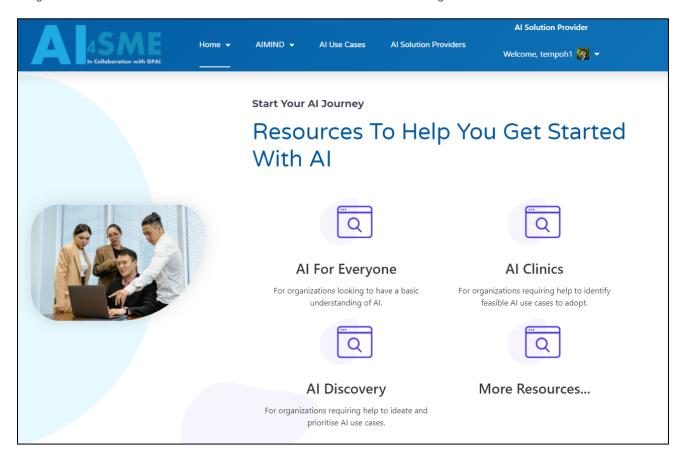




Image 2: Screenshot of the available resources for SMEs to learn about AI and get started





Al Use Cases

A key feature of the Solution Portal is to provide organizations, especially SMEs, with resources to help them identify the type of projects they could launch and appropriate AI solutions providers they could consider.

In particular, the Solution Portal hosts a collection of success stories, use cases that SMEs implemented, and the benefits they gained. The Solution Portal has a unique focus on Al Maturity Suitability, ethics, and resources required for Al solution implementation. These will help SMEs in identifying appropriate Al solutions to consider.

Image 3: Screenshot of AI use cases on the Solution Portal

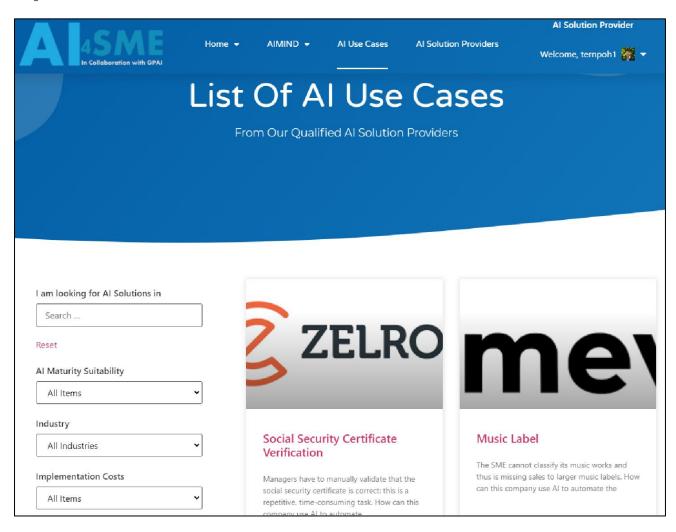
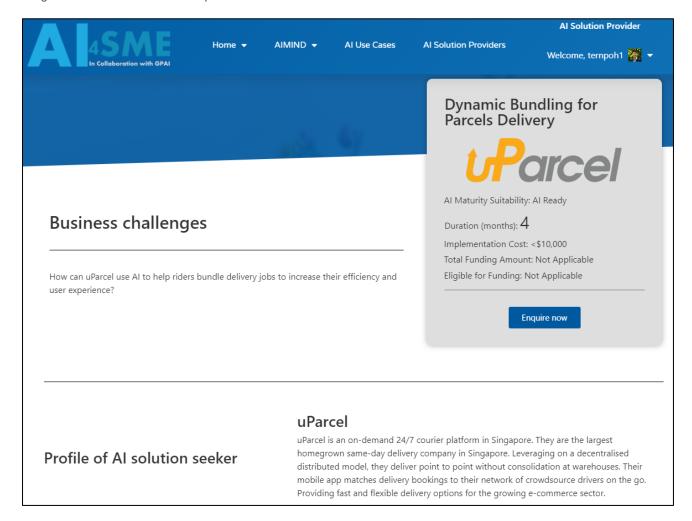




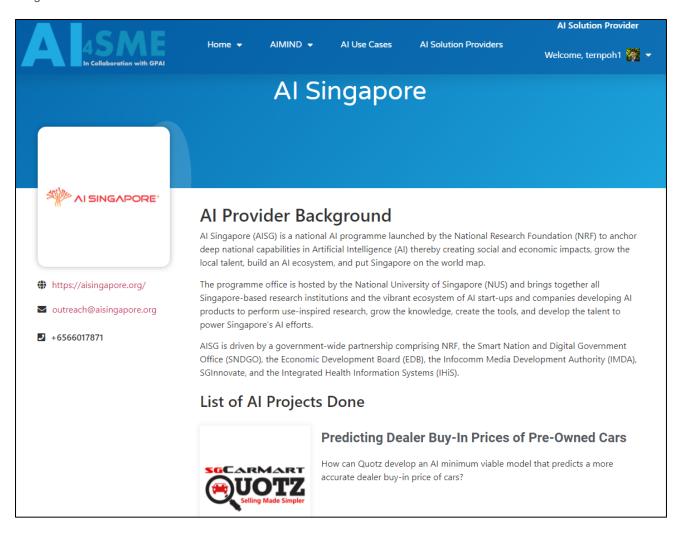
Image 4: Detailed view of an example of AI use case



Al Solution Provider Details

Along with the AI use cases, the Solution Portal also hosts details provided by AI Solution Providers. Therefore, the SME, as an interested AI Solution Seeker, could contact the Provider for further information or AI solution implementation. To ensure quality and trusted listing, the AI Solution Providers will only be listed after the website administrator has approved their submission.

Image 5: Screenshot of AI Solution Provider details





Section 2: Guidance for Al Adoption Strategy

GPAI AI Maturity Index for SMEs (AIMIND)

The SME Committee has integrated information on the GPAI AI Maturity Index for SMEs (AIMIND) and its self-assessment tool into the portal. Organizations could learn the various critical success factors for AI adoption and undergo AIMIND self-assessment to understand their AI Maturity and obtain a detailed explanation of their result.

Image 6: Screenshot of the AIMIND information page

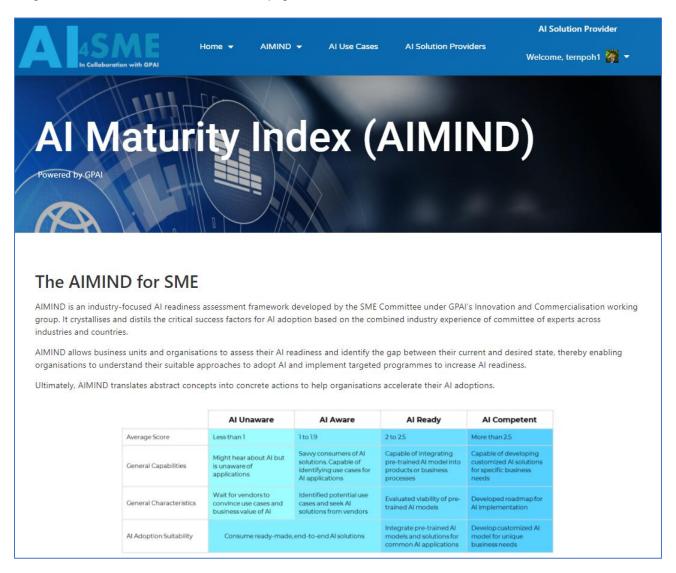
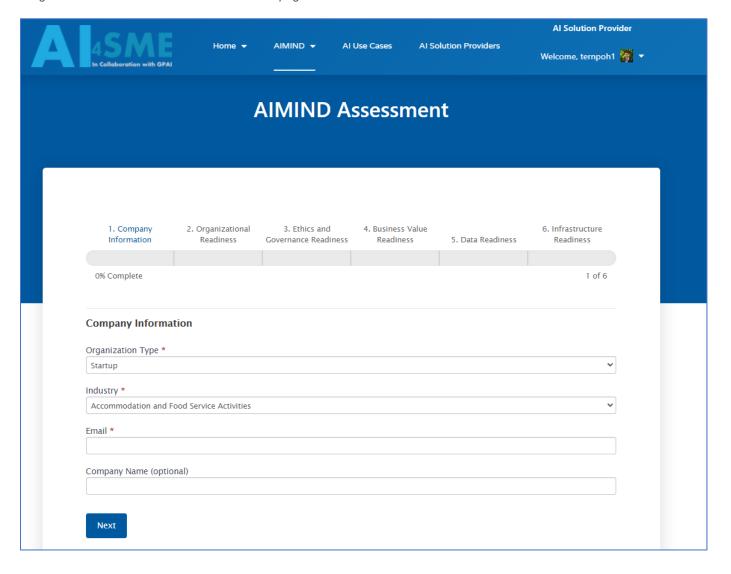




Image 7: Screenshot of the AIMIND assessment page







AIMIND Assessment Result: Your Organization is Al Aware

Organizations that fall within the same AIRI category tend to exhibit similar capabilities and characteristics; Table 2 below illustrates the common capabilities, characteristics, and AI adoption suitability for organizations in each category of AI readiness.

	Al Unaware	Al Aware	Al Ready	Al Competent
Average Score	Less than 1	1 to 1.9	2 to 2.5	More than 2.5
General Capabilities	Might hear about Al but is unaware of applications	Savvy consumers of AI solutions. Capable of identifying use cases for AI applications	Capable of integrating pre-trained AI model into products or business processes	Capable of developing customized AI solutions for specific business needs
General Characteristics	Wait for vendors to convince use cases and business value of Al	Identified potential use cases and seek AI solutions from vendors	Evaluated viability of pre-trained AI models	Developed roadmap for Al implementation
Al Adoption Suitability	Consume ready-made,	end-to-end AI solutions	Integrate pre-trained Al models and solutions for common Al applications	Develop customized AI model for unique business needs

Table 2: AIMIND Classification Chart

Interpretation of AIMIND Result

It is a common misconception that AI adoption is only suitable for larger or technology-based organizations. On the contrary, AI Unaware and AI Aware organizations, even if they lack data, talent, or ML infrastructure, could adopt ready-made AI solutions for their core or peripheral business activities. For instance, an AI Unaware or AI Aware law firm could implement a chatbot on its website to help answer queries from clients. The critical difference is that AI Aware organizations could identify better AI use cases, procure relevant AI solutions, and potentially benefit more from AI adoption.

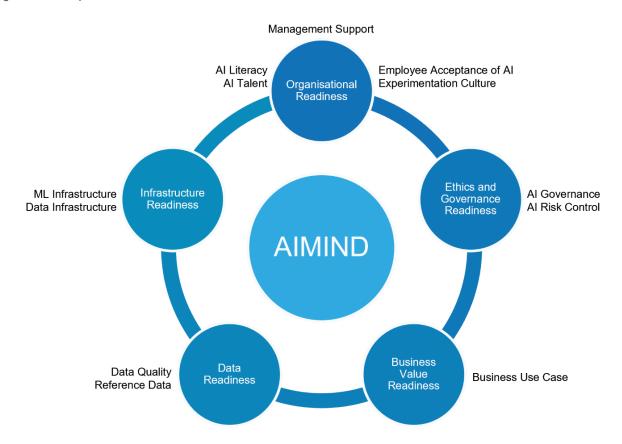


Section 3: Information on AIMIND

AIMIND Framework

AIMIND consists of five pillars, which map to 12 dimensions. The five pillars are interdependent and synergistic. Collectively, the five main pillars of AIMIND provide a holistic assessment of an organization's maturity for adopting AI.

Image 9: The five pillars of AIMIND





AIMIND Classification

AIMIND will score and categorize the organization into either one of the four categories of AI maturity - AI Unaware, AI Aware, AI Ready, and AI Competent – based on the average score across all dimensions. By knowing which category they belong to, the organization could appropriately choose which AI solutions to adopt. For instance, AI Unaware and AI Aware organizations should consider adopting ready-made AI solutions rather than building one from scratch.

Image 10: The four levels of Al Maturity identified by AlMIND

	Al Unaware	Al Aware	Al Ready	Al Competent
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General Capabilities	Might hear about AI but is unaware of applications	Savvy consumers of Al solutions. Capable of identifying use cases for Al applications	Capable of integrating pre-trained AI model into products or business processes	Capable of developing customized AI solutions for specific business needs
General Characteristics	Wait for vendors to convince use cases and business value of Al	Identified potential use cases and seek AI solutions from vendors	Evaluated viability of pre- trained AI models	Developed roadmap for Al implementation
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AIMIND Assessment Considerations

AIMIND assesses beyond the organization's technical capabilities, such as AI Talent, Data, and Machine Learning Infrastructure. AIMIND also considers the organizational maturity, such as AI Literacy of employees, which leads to Employee Acceptance of AI. Most importantly, the framework also assesses whether the organization has appropriate governance and control for ethical and risk-based approaches to using AI.

Image 11: Dimensions assessed by AIMIND

Pillars	Dimensions	Assessments
	Management Support	Whether the organization has allocated resources for AI initiatives
	Al Literacy	Whether the employees could identify potential AI use cases and be savvy consumers of AI solutions
Organizational Readiness	Al Talent	Whether the organization has the capabilities to develop, integrate, and maintain Al models
	Employee Acceptance of Al	Whether the employees trust and accept AI-bases systems
	Experimentation Culture	Whether the organization has an experimentation culture for employees to explore and develop AI use cases
Ethics and Governance	Al Governance	Whether the organization has appropriate governance to avoid unintentionally harming end-users
Readiness	Al Risk Control	Whether the organization has a proper classification of the risk level of Al systems
Business Value Readiness	Business Use Case	Whether the organization has identified suitable AI use cases and assessed their value propositions
Data Dandings	Data Quality	Whether the organization has processes to ensure the quality (accuracy, completeness) of data collected
Data Readiness	Reference Data	Whether there is a single source of truth, consistency of data format, and reliable metadata
Infrastructure	Machine Learning (ML) Infrastructure	Whether the organization has appropriate and sufficient ML infrastructure (e.g., GPU, memory) to support Al model training and deployment
Readiness	Data Infrastructure	Whether the organization is using appropriate data infrastructure (e.g., data lake) as a central repository of data



AIMIND Scoring Methodologies

Across all dimensions, AIMIND returns the organization a score of 0, 1, 2, and 3 for each response selected under the AI Unaware, AI Aware, AI Ready, and AI Competent, respectively. The average score across all dimensions determines the AI Readiness category of the organization.

Image 12: AIMIND's organizational AI maturity level

Dimensions	Organizational Al Maturity Level				
	Al Unaware	Al Aware	Al Ready	Al Competent	
Management Support	No AI initiative announced by the management	Management has announced support for Al initiatives, but there are no resources allocated for Al initiatives	Management has allocated resources for AI initiatives, but there is no strategic AI roadmap	Management has allocated resources for Al initiatives, and there is a strategic Al roadmap available	
Al Literacy	< 25% of employees are Al literate	25% to 50% of employees are Al literate	50% to 75% of employees are Al literate	> 75% of employees are Al literate	
Al Talent	No AI talents within organizations	Organization has employees who are beginners in Al (e.g. able to use nocode / low-code platform to build Al prototype)	Organization has employees who are intermediate in AI (e.g. able to make API call to AI services)	Organization has employees who are advanced in Al (e.g. able to develop Al model)	
Employee Acceptance of Al	Employees resist using Al- based systems due to fear of their jobs getting replaced	Employees adopt Al-based systems but don't trust the results generated by Al systems	Employees trust Albased systems and have no objections to using such systems	Employees trust Al-based systems and understand that the Al-based systems rely on employees' interactions to increase their performance over time	



Experimentation Culture	Organization has zero- tolerance towards failed Al-projects	Organization avoids experimentation and seeks to implement only tried-and-tested Al solutions	Organization understands that to succeed in Al transformation, experimentation is required and predicting outcomes may not be possible	Organization actively encourages employees to explore experiments for new Al applications	
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Image 13: AIMIND's ethics and governance AI maturity level

Dimensions	Ethics and Governance Al Maturity Level				
Difficusions	Al Unaware	Al Aware	Al Ready	Al Competent	
AI Governance	Organization is unaware of Al governance concepts	Organization is aware of Al governance but has yet to implement it	Organization practices ad-hoc Al governance assessment on Al application and development	Organization has policies and processes on AI governance to guide AI application and development	
AI Risk Control	Organization is unaware of the importance of assigning AI use cases to risk levels	Organization is aware of the importance of assigning AI use cases to risk levels, but has yet to decide on the agreed-on criteria	Organization has agreed-on criteria to assign AI use cases to risk-levels according to an established regulatory framework (e.g. EU AI Regulation), but the process of assigning is not standardized	Organization has agreed-on criteria to assign AI use cases to risk-levels according to an established regulatory framework (e.g. EU AI Regulation), and a standard process is implemented for each AI system	



Image 14: AIMIND's business value AI maturity level

Dimension	Business Value Al Maturity Level			
Dimension	Al Unaware	Al Aware	Al Ready	Al Competent
Business Use Case	Organization has not identified use cases for AI solutions	Organization has identified use cases for AI solutions but has yet to assess their value proposition	Organization has identified use cases for Al solutions, but value propositions are derived from industry reports	Organization has identified use cases for Al solutions. Value propositions derived by internal stakeholders



Image 15: AIMIND's data AI maturity level

Dimensions	Data Readiness Al Maturity Level			
Difficusions	Al Unaware	Al Aware	Al Ready	Al Competent
Data Quality	Organization does not have any employees responsible for overseeing and managing data quality	Organization has employees with informal responsibilities for overseeing and managing data quality	Organization has employees with responsibilities for overseeing and managing data quality	Organization has processes, policies, and employees with responsibilities for overseeing and managing data quality
Reference Data	Organization is unaware of the importance and does not have a single source of truth for data; there are no established definitions and units of measurement for consistency	Organization is aware of the importance but does not have a single source of truth for data; there are no established definitions and units of measurement for consistency	Organization has a single source of truth for data, but common data definition and units of measurements are lacking	Organization has a single source of truth for data; common data definition and units of measurements are established to ensure consistency



Image 16: AIMIND's infrastructure AI maturity level

Dimensions	Infrastructure Al Maturity Level			
Dimensions	Al Unaware	Al Aware	Al Ready	Al Competent
Machine Learning Infrastructure	Organization is unaware of the importance of ML infrastructure for Al model serving	Organization lacks but is aware of the importance of ML infrastructure for Al model serving	Organization has adequate ML infrastructure to support AI model serving	Organization has adequate ML infrastructure (e.g. GPU) to support Al model training and deployment
Data Infrastructure	Most data are stored in non- digital format	Most data is stored in standalone digital format (e.g., Excel sheets)	Most data is stored in centralized repositories (e.g. data lake, data warehouse)	Most data is stored in centralized repositories, and there is an overview of data dictionaries

