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Malaysia Towards an AI Nation

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NAIO was established in 2024 as a strategic office to coordinate and consolidate AI initiatives in Malaysia

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Innovation

- Funding for AI adoption
- Sandboxing
- Facilitating market access
- Data sharing network

Governance

Promote responsible AI development by aligning key stakeholders in the regulatory ecosystem

2025: 7 NAIO Deliverables

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1. AI Technology Action Plan 2026 - 2030

Strategic roadmap to enhance Malaysia's competitiveness and foreign investor confidence.

2. AI Adoption Regulatory Framework

Regulatory framework to promote ethical and sustainable AI adoption.

3. Acceleration of AI Technology Adaptation

Promoting the widespread of AI adoption in main sectors of Malaysia.

4. AI Code of Ethics

Ensuring the responsible and ethical usage of AI throughout the entire management value chain.

5. AI Impact Study for Government

Assessing the impacts of AI in the Government.

6. National AI Trend Report

Market overview on AI trend maturity in selected sector.

7. Datasets related to AI Technology

Data to develop and implement tailored-initiatives for target groups.

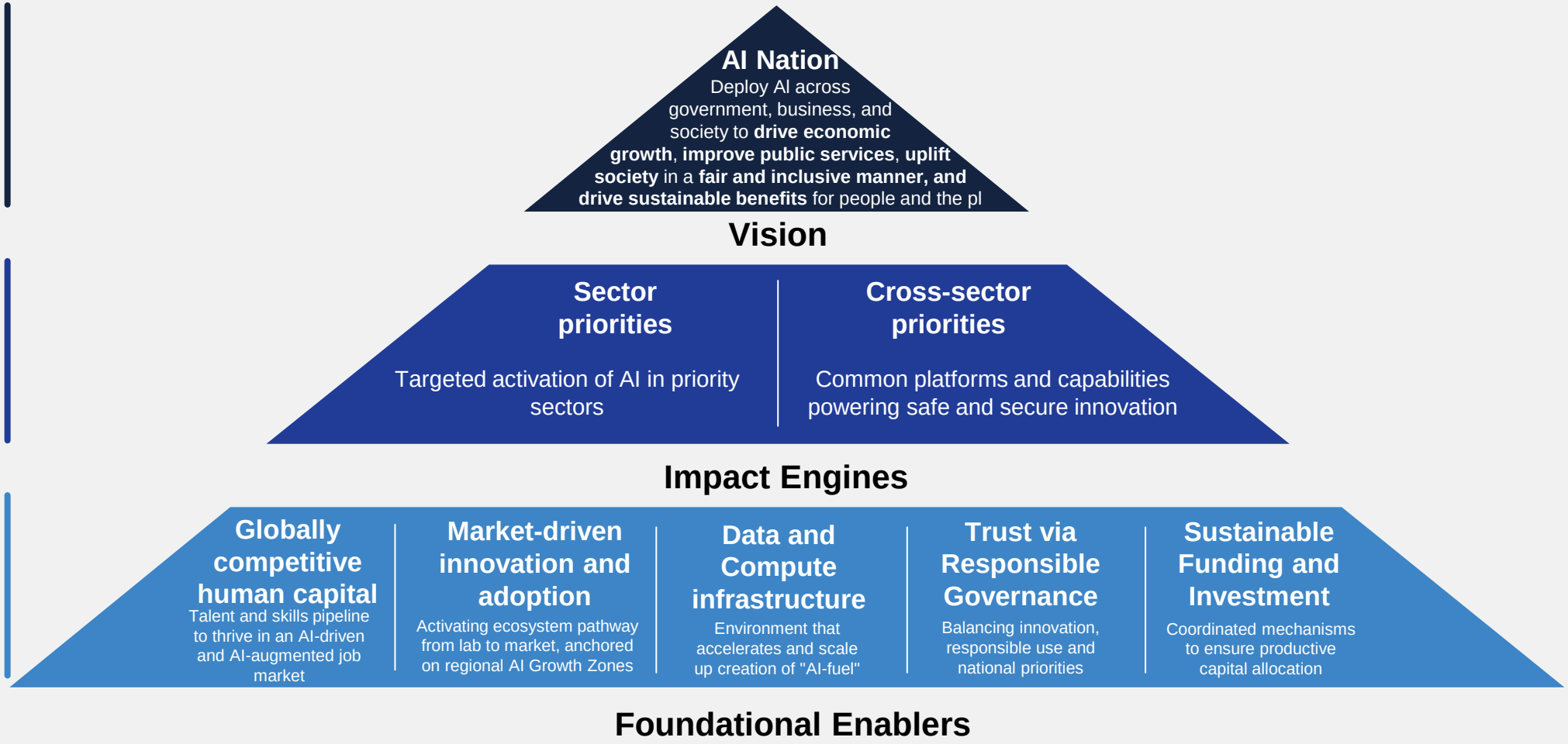
National AI Action Plan 2030 strategic framework covers three layers – Vision, Impact Engine, and Foundational Enablers

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Vision anchored on realising the AI Nation aspiration

Establish sectoral impact engines to drive purposeful adoption of AI, to secure social and economic benefits

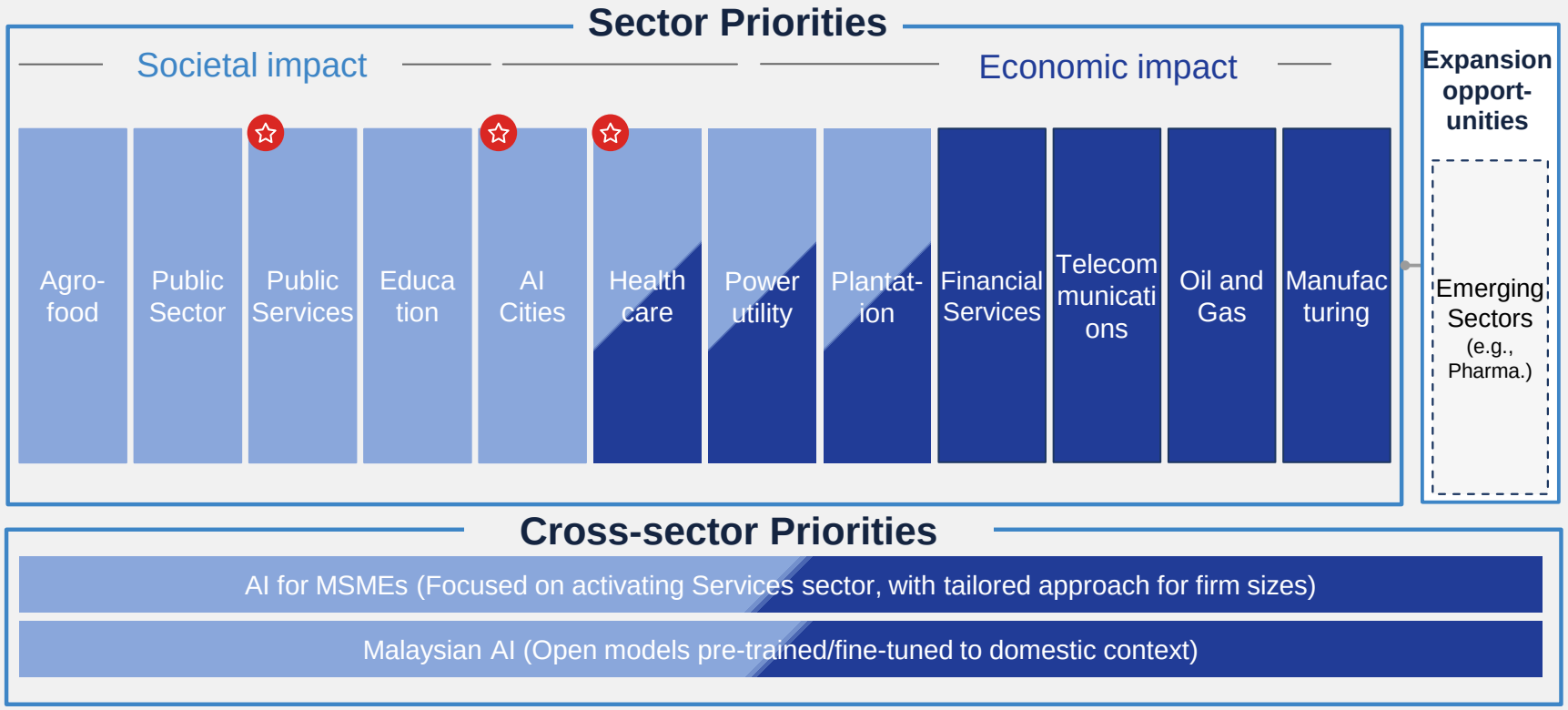
Provide the right foundations to drive widespread adoption and unlock investments



The Action Plan drives demand-led AI adoption in high impact sectors to deliver measurable social and economic impact

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Priority sectors were identified based on their potential for AI-driven economic returns and broad societal benefit …



… each initiative designed to follow 3-phase model

Ignite — Launch pilots that addresses pressing **sector-specific needs**

Scale — Utilise momentum to **broaden impact** into system-level implementation

Trans-form — **Reshape the sector**, to achieve the envisioned benefits for government, businesses and society

Catalytic Initiatives

Industry champion| Establish common ground with industry champions to accelerate AI in priority sectors

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	I11 Power utility	I12 Oil and Gas	I13 Financial Services	I14 Telecomm-unications
Industry champions	TENAGA NASIONAL	PETRONAS	Maybank, BANKRAKYAT, CIMB BANK, RHB	TM, celcomdigi, maxis, Digital Nasional
Key collaboration areas	A Enable the scale-up of renewables — flexible grid and analytics for solar generation B Transform enhance service delivery, customer satisfaction and operational efficiency	A Harness AI solutions across new ventures and deploy portfolio products to support parallel initiatives B Democratise AI capabilities to modernise the local OGSE ecosystem,	A Improve financial inclusion and tap underserved markets – *e.g., MSMEs, start-up debt funding* B Ensure compliance to financial regulations and reduce cyber crime, fraud and risks	A Provide advanced infrastructure for AI to meet domestic market needs A Unlock new revenue streams from AI services

Illustrative

A Theme A: Access new growth / underserved opportunities

B Theme B: Supports existing business

I12 Non-exhaustive

O&G | Harness AI to modernise the local OGSE ecosystem while unlocking new growth opportunities

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	Priorities	Example Initiative	Government role to support
Theme A: Access new growth / underserved opportunities	**Harness potential of AI solutions and use cases across new ventures**	Develop AI-focused companies or embed AI capabilities within O&G Venture portfolio	Provide access to **world-class AI specialists, talent pipeline, and access to compute capacity** from NAIO foundational enabler initiatives
	Increase usage and deployment of AI solutions of existing portfolio	Leverage O&G Ventures portfolio for NAIO's initiatives	Facilitate coordination to **cross-sectoral ministries requiring support for impact engine initiatives** through NAIO and the National AI Action Plan 2030
Theme B: Supports existing business	**Democratise AI capabilities across value chain**	Extend AI COE capabilities to local OGSE players • Support through VDP • AI Infrastructure Platform	**Develop connection to the broader AI ecosystem** such as start ups, association, Bengkel Inovasi and more

THANK YOU

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