



Paving the Way for Graphene in Malaysia

8 November 2016

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Chief Executive Officer
Agensi Inovasi Malaysia

About AIM



Agensi Inovasi Malaysia was set up through an Act of Parliament in December 2010. AIM is administered by a 17-member Governance Council chaired by the Honourable Prime Minister



Current GC Members

- YAB Prime Minister of Malaysia
- Minister of Higher Education
- Minister in the Prime Minister's Department and Special Advisor to Agensi Inovasi Malaysia
- Minister in the Prime Minister's Department (EPU)
- Minister of Science, Technology and Innovation
- Minister of International Trade and Industry
- Minister of Domestic Trade, Co-operatives and Consumerism
- Second Minister of Finance
- Chief Executive Officer, Performance Management and Delivery Unit (PEMANDU)
- Chief Secretary to the Government of Malaysia
- Managing Director of Khazanah Nasional Berhad
- Founder & President of LimKokWing University of Creative Technology
- President of International Association of Universities (Paris)
- Science Advisor to the Prime Minister
- Group Chief Editor and Executive Director, Star Publications (M) Bhd.
- Chairman, Yayasan Salam Malaysia
- Chief Executive Officer of Agensi Inovasi Malaysia

We employ multiple approaches towards innovation...

Equipping Malaysia's next generation with ability to think critically and creatively

Making selective investments to catalyse new ventures and startups (future leaders in innovation)

Catalysing the social sector eco-system to enable strategic public-private collaboration & citizen empowerment

EQUITY INVESTMENTS

CULTIVATING A THINKING CULTURE 

1DANA

PlatCOM Ventures

CATALYSE COMMERCIALISATION

Quality of Life

INNOVATION FOR AND BY SOCIETY



INNOVATING MALAYSIA

Jobs ↑↑ GNI

INNOVATING ORGANISATIONS

FACILITATE INDUSTRY-ACADEMIA COLLABORATION



Providing support to mid-size and large organisations on innovation

TRANSFORMING STRATEGIC SECTORS

Catalysing greater collaboration activities between industry and academia to generate commercial-ready IP

Defining national strategies to transform identified strategic sectors of the future



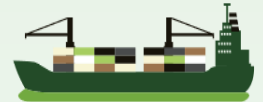


GENERATE NEW SOURCES OF INCOME

CREATE HIGH-SKILLED JOBS



ENHANCE DEVELOPMENT OF SUSTAINABLE NEW INDUSTRIES



TRANSFORMING STRATEGIC SECTORS

- ❑ Defining national strategies to transform strategic sectors of the future

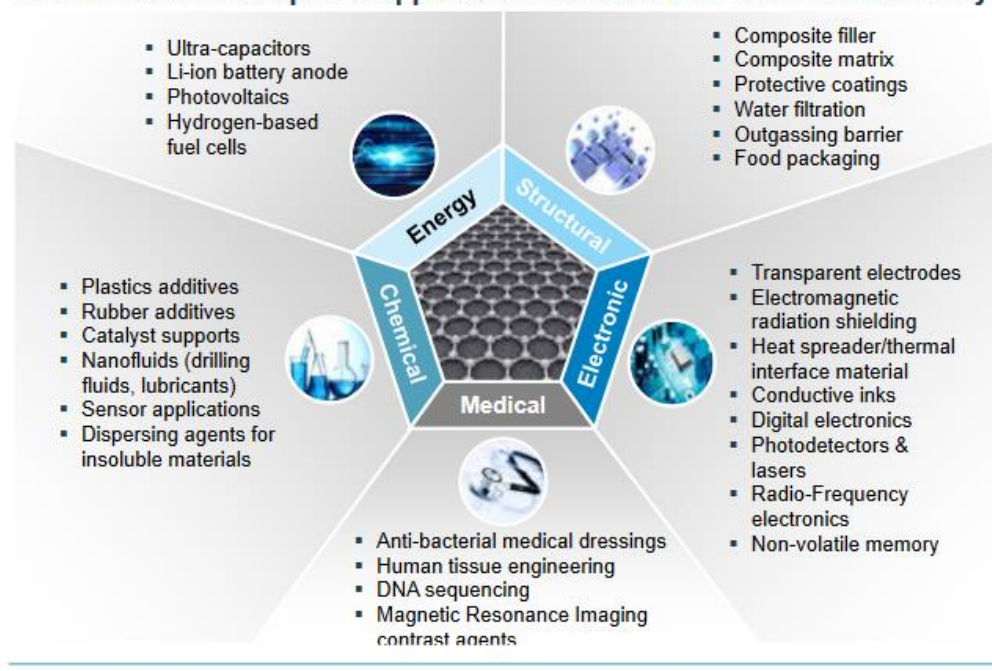
NATIONAL GRAPHENE ACTION PLAN 2020



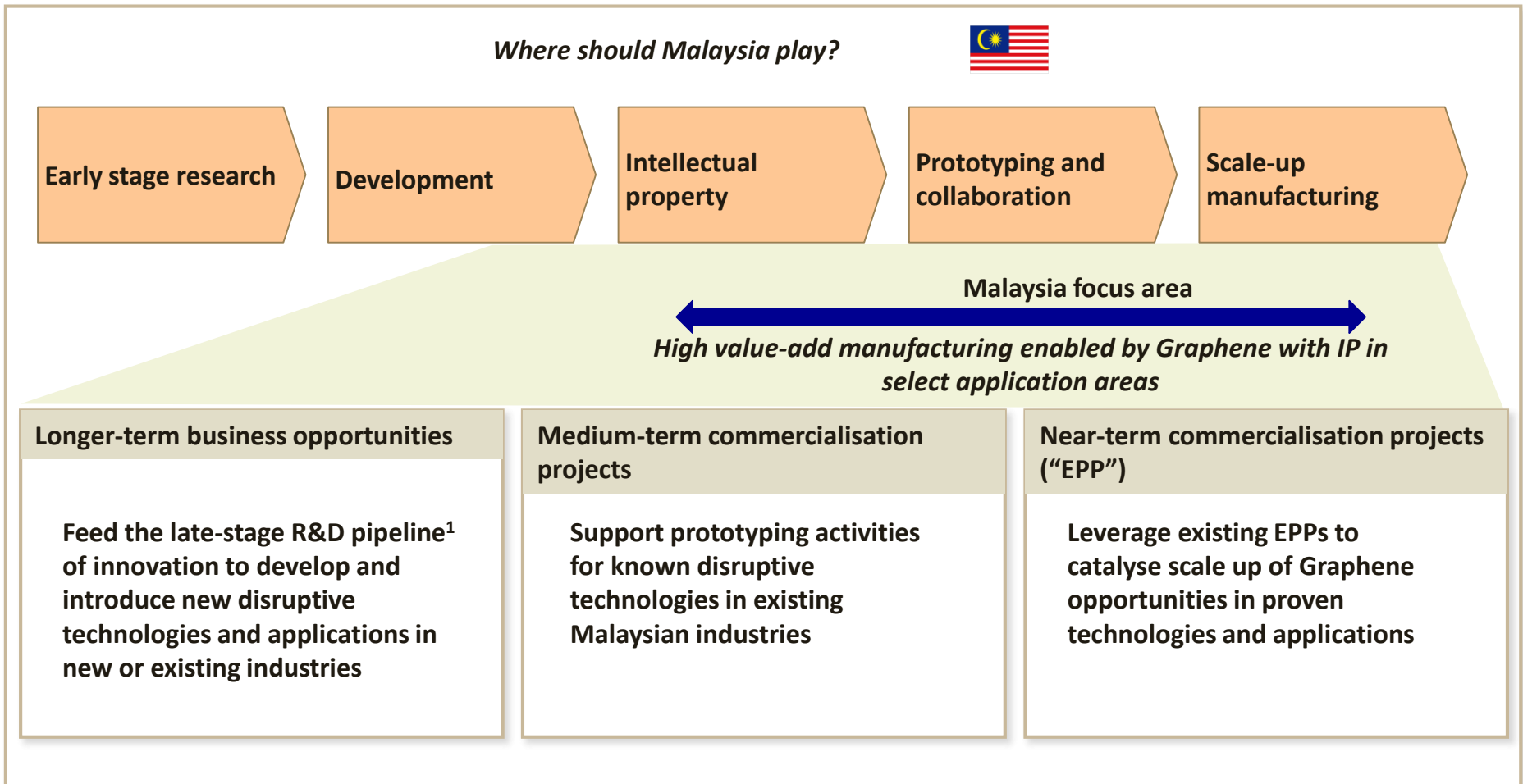
Potential GNI by 2020 **RM 20 billion**
 Jobs Created by 2020 **9,000**



Total universe of Graphene applications evaluated for technical feasibility

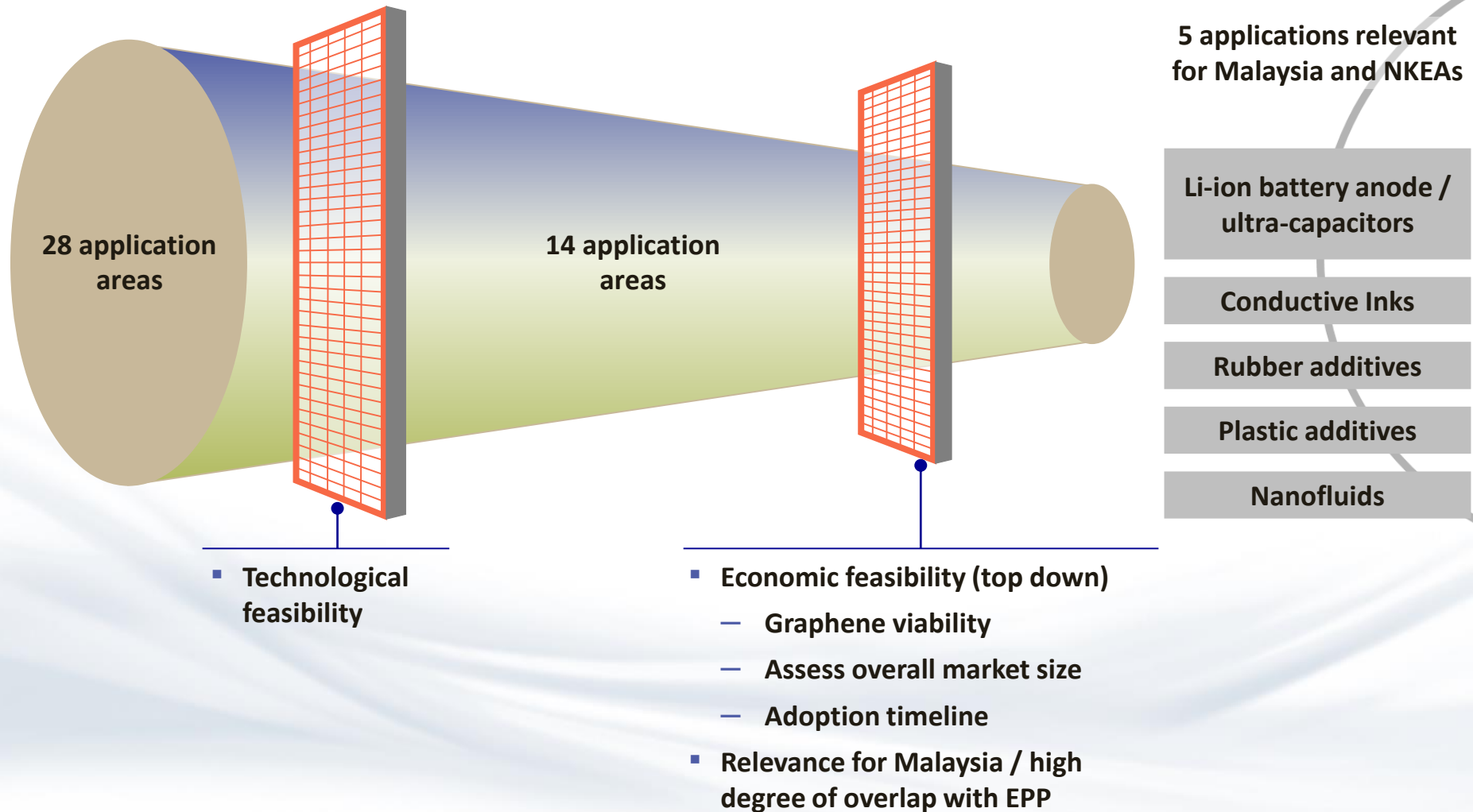


NGAP 2020 identified key strategic opportunities for Malaysia to focus on when developing high-value industries with Graphene as a key enabler

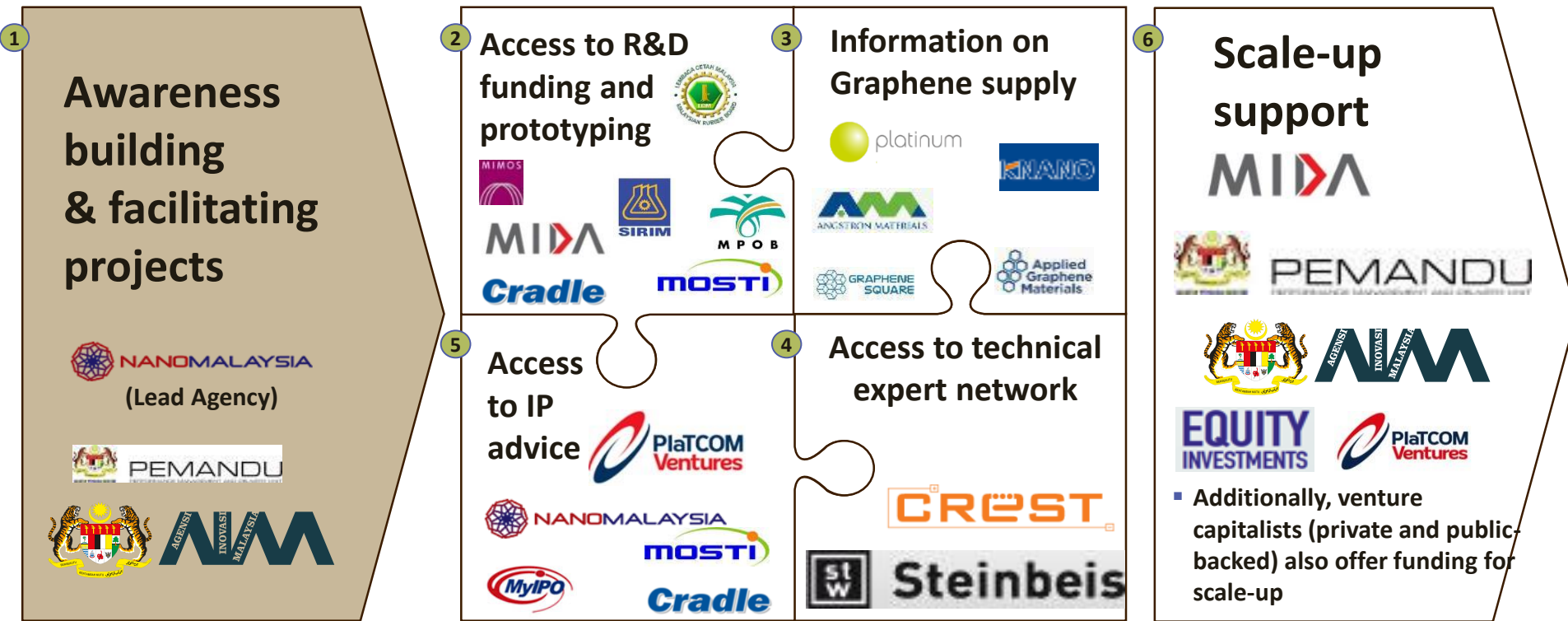


¹ Requires investment in university research grants to facilitate longer term R&D, similar to other countries (commercialisation window beyond 2020)

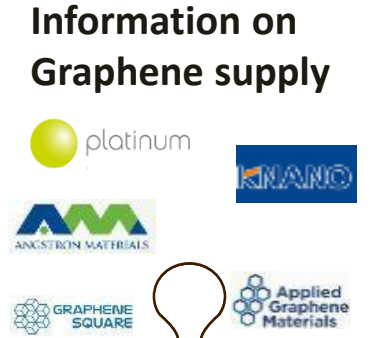
Through systematic analysis, 5 applications were found to be the most technologically feasible and highly relevant to Malaysia



The Government plays a critical role in establishing, supporting and maintaining Graphene's project development activities and funding landscape



Awareness building & facilitating projects



Co-ordination and monitoring



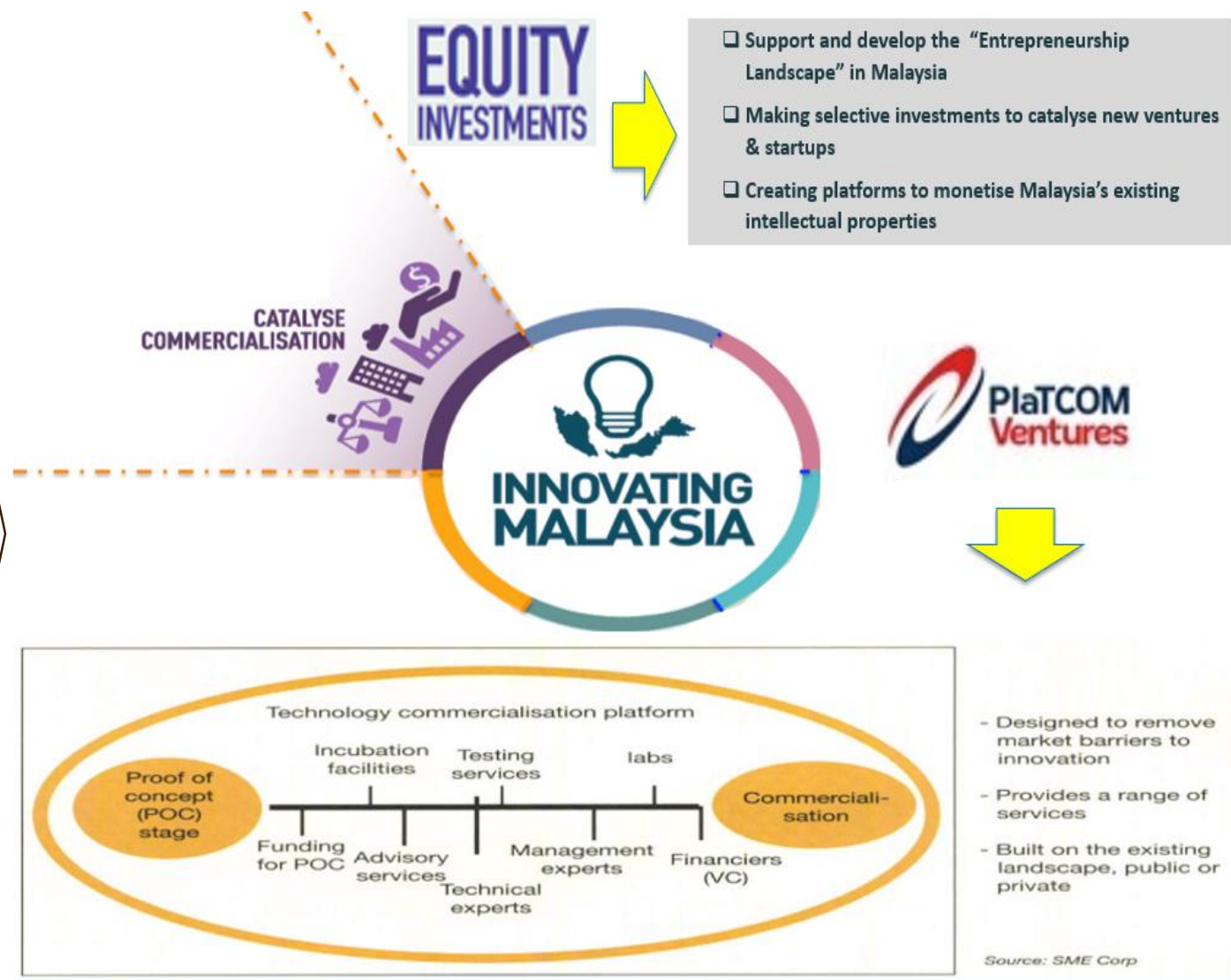
Steering Committee			
YBM MITI	YBM CEO PEMANDU	YBM MOSTI	
NanoMalaysia	EPU	PEMANDU	
AIM	MIDA	NND	MITI



Funding and Scale Up Support for Graphene by AIM

6 Scale-up support

- **MIDA** can advise companies on financial support options for scaling up Graphene-related manufacturing
- **PEMANDU** facilitate EPP-ready projects
- Additionally, venture capitalists (private and public-backed) also offer funding for scale-up



Enhancing Malaysia's Graphene Eco-system by Linking Key Initiatives and Future Graphene Potential to Network of NCII Companies



Encourage New Entrepreneurs & New Companies that Place High Priority in ROI



Encourage & Increase Design Thinking & Future Innovative Society & Leaders



Decrease in Government Spending in Social Services by Encouraging & Leveraging on the Private Sector via Incentives & a Clear Social Finance Model



Increase the Current Network Pipeline by Creating NCII Modules for SME & Mid Tier Companies so all Companies can Track their Innovation & Potential New Revenue from it

National Corporate Innovation Index™



Introduce Additional Value Creation & Opportunities for Companies to Capitalise on Graphene Which Will Encourage Innovation & Diversify Their Business Portfolios & Revenue Streams



Leverage on Experts from Academia that can be Used to Solve "Real" Company & Industry Problems & Increase Collaborations Between Industry Players & Academia Experts



THANK YOU