







CONTENTS

Background Information		
Malaysia National Semiconductor Strategy		
Programme Itinerary	5	
Logistics	8	
Semiconductor Value Chain Chart	9	
Company Profiles NXP SIRIM QES JF Technology MIMOS Berhad Nexperia Onsemi Sidec Weeroc AppAsia	10	
Organiser Profiles REFSA Invest Selangor Sidec	17	
Delegate List	18	





BACKGROUND INFORMATION

Introduction

There currently exists a window of opportunity for Malaysia and other countries in Asia to take advantage of geopolitical headwinds between China and the US as well as the global push towards supply chain security.

With semiconductors slated as the "new oil", Malaysia as a key player in the global supply chain for semiconductors is in a unique position to capture much of this opportunity. Further to this, there are many other supporting and related industries that Malaysia can also develop or strengthen as well as diversify into, such as green economy industries which will be one of the key drivers of global growth as countries across the world need to transition for survival.

However the competition is tough, with goals such as to move up the value chain, improve downstreaming and provide quality jobs and incomes, these shared aspirations also mean competing interests, especially among ASEAN member states.

It is with this backdrop that Research for Social Advancement (REFSA), along with Selangor Information Technology and Digital Economy Corporation (SIDEC), and supported by Invest Selangor, is organising this semiconductor study tour in Selangor / Negeri Sembilan, an extension of the tour we conducted earlier in May in Penang / Kulim to further deliberate our opportunities and strategies to strengthen our position as a key player in the global semiconductor industry.

Objectives

- To understand semiconductor geoeconomics as well as the chip-making process and Selangor/Negeri Sembilan's role within it.
- To understand Malaysia's competitive positioning and centre of gravity in chipmaking within ASEAN and India.

- To identify the challenges and threats both domestic/internal as well as global/external to Malaysia's semiconductor ecosystem and supply chain.
- To deliberate how our national policies/incentives can strengthen our semiconductor industry.
- To seek opportunities that Malaysia can explore and technological niches Malaysia can leverage and focus on besides test, assembly and packaging, for example chip design as well as automation equipment.
- To engage and create dialogue space for private sectors to feedback challenges and opportunities they see in expanding our advantages in the industry.

Aims

The insights gained from this tour will aid us in forming strategies on:

- How Malaysia can leverage its strengths and capitalise on specific high-value segments within chip-making that can allow it to compete effectively despite a smaller domestic market.
- How Malaysia can attract MNCs to move their high-value activities into the country.
- How can Malaysia foster innovation and bolster industrial capacity in areas underpinning technological self-sufficiency (technology sovereignty).
- Policy recommendations to strengthen our local semiconductor industry while meeting MADANI objectives of inclusivity and building a strong middle class society.
- Policy recommendations on how to nurture domestic players into internationally competitive global companies.
- Proactive management and remediation steps against anticipated challenges and risks on the horizon.



Phase 1

Focuses on building foundations by modernising outsourced semiconductor assembly and test (OSAT), expanding fabrication plants, and developing local chip design champions.

Phase 2

Focuses on pursuing advanced chip design, fabrication, and testing, integrating local champions into the ecosystem of advanced fabrication companies.

Phase 3

Focuses on supporting the development of world-class Malaysian semiconductor design, advanced packaging and manufacturing equipment firms and attracting major buyers like Apple and Huawei to Malaysia.

Five headline targets:

- Attracting RM500 billion of investments, focusing on IC design, advanced packaging, and water fabrication.
- Establishing 10 Malaysian companies in design and advanced packaging with revenues between RM1 billion and RM4.7 billion, and 100 semiconductor-related companies with revenues around RM1 billion.
- Developing Malaysia as a global research and development (R&D) hub for semiconductors with world-class universities and corporate R&D.
- 4 Training and upskilling 60,000 high-skilled Malaysian engineers.
- **5** Allocating at least RM25 billion in fiscal support to be utilised for targeted incentives.





PROGRAMME ITINERARY

20 August 2024 (Tuesday)		
07:30	Depart Pick-up Point - AVANTÉ Hotel Lobby	
08:00	NXP Semiconductor (Sungai Way, PJ) + Breakfast – Testing & Assembly; IC Design	
10:00	Depart for next destination	
10:15	SIRIM (Shah Alam) - Ecosystem facilitator	
12:15	Depart for next destination	
13:00	QES Group Berhad (Shah Alam) + Lunch – Automated Test Equipment (ATE)	
15:30	Depart for next destination	
16:15	SIDEC (Shah Alam) – Ecosystem facilitator	
16:45	SIDEC (Shah Alam) – IC Design Roundtable	
18:30	Depart for next destination	
19:00	Dinner hosted by YB Ng Sze Han, Selangor State Executive Council Member for Investment, Trade, and Mobility	
20:30	Depart for Drop-off Point - AVANTÉ Hotel Lobby	
21:00	End for the day	

21 August 2024 (Wednesday)		
07:15	Depart Pick-up Point - AVANTÉ Hotel Lobby	
08:00	JF Technology (Kota Damansara) + Breakfast – Test Interface Solution	
09:30	Depart for next destination	
10:30	MIMOS Berhad (Bukit Jalil) – Ecosystem facilitator (R&D Wafer Fabrication)	
12:00	Depart for next destination	
13:00	Nexperia (Seremban) + Lunch – Testing & Assembly	
15:00	Depart for next destination	
15:15	ON Semiconductor (Seremban) – Wafer Fabrication; Testing & Assembly	
17:15	Depart for Drop-off Point - AVANTÉ Hotel Lobby	
18:45	End for the day	

^{*}Please note that the itinerary is subject to change.





IC DESIGN ROUNDTABLE

Empowering Malaysia's Semiconductor Sector to Lead in the Southeast Asian Market

Moderator

Lee Wai Ming

Manager of Startups & Venture Division, SIDEC

Panellists

- Calvert Wong
 Executive Director, AppAsia
- Dr Salleh Ahmad
 Co-Founder, Weeroc
- Ja'afar Bin Matasin
 Chief Executive Officer, SensoremTek

Sidec



Sidec, or the Selangor Information Technology and Digital Economy Corporation, is a state government agency in Selangor. Sidec's primary role is to lead the digital transformation of the state by fostering innovation, supporting entrepreneurship, and promoting the adoption of digital technologies across various sectors of the economy.

Sidec was established to make Selangor a leader in the digital economy within the ASEAN region. It aims to empower businesses, startups, and entrepreneurs by providing the tools, resources, and programs necessary to thrive in the digital age.

Weeroc



Weeroc is a fabless semiconductor company specialising in the design of front-end microelectronics for photodetection, medical imaging, homeland security, and the space industry. Founded in 2012, Weeroc focuses on precision-analog and radiation-hardened Application-Specific Integrated Circuits (ASICs).

The company, led by co-founders Dr. Salleh Ahmad (CTO), Julien Fleury (CEO), and Stephane Callier (Production Director), delivers innovative designs catering to high sensitivity and reliability applications. Notable clients include Airbus Defence and Space, Hexagon US Federal, 3D-Plus, ESA, NASA, and ISRO. With a commitment to advancing technology, Weeroc plays a crucial role in enabling sophisticated detection and imaging systems across multiple hightech industries.



AppAsia



AppAsia is a leading digital platform provider in Malaysia, specialising in digital platforms, fintech, IT security and mobile solutions. Through its partnership with CMSC, AppAsia will offer specialised IC Design services.

CMSC, Inc., listed on the Taiwan Emerging Stock Market and headquartered in Hsinchu Science Park, has the expertise, skills, technical know-how and experience in IC design services. With a strong focus on innovation and quality, CMSC, Inc. delivers advanced semiconductor solutions for various including industries. consumer electronics, telecommunications, and automotive sectors. The company is known for its cutting-edge technology and commitment to meeting the evolving needs of the global electronics market.

SensoremTek



SensoremTek is a pioneering technology company specialising in the development and manufacturing of advanced sensor solutions. The company focuses on creating high-precision sensors for various applications, including industrial automation, automotive, healthcare and consumer electronics. SensoremTek's product portfolio includes innovative solutions such as acoustic sensors, environmental sensors, motion sensors, and optical sensors, designed to provide accurate and reliable data for enhanced performance and safety. SensoremTek is commercialising its high fidelity semiconductor microphone for mobile communication. The company is also in the advanced stage of developing semiconductor microspeaker, which is a breakthrough technology. a commitment to research development. SensoremTek continuously pushes the boundaries of sensor technology, aiming to deliver cutting-edge solutions that meet the evolving needs of diverse industries and improve the quality of life.



LOGISTICS

Dresscode

Business casual. Please wear comfortable shoes suitable for walking. For women, please wear pants as we will need to wear suits for factory tours.

Transport

- Transportation will be provided throughout the tour. The pick-up/drop-off point is Avante hotel lobby area.
- Kindly provide us with your vehicle licence plate number and inform us if you will be opting for your own transportation.

Parking

Parking is available at a few places (closest first):

- Bandar Utama Station Park N' Ride (most expensive option)
- · One Utama parking
- Dataran 1 Utama parking (least expensive option but 1.5km or 20 minutes walk)

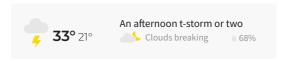
Meals

- 20th August: breakfast, lunch and dinner
- 21st August:
 breakfast and lunch

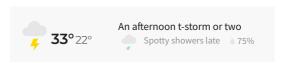
Weather Forecast

Please prepare an umbrella in case of rain.

20th August (Tuesday)



21st August (Wednesday)



Source: Accuweather

Special Requirements

Please let us know if you have any special requirements or need any specific arrangements.

Contact Information

Programme coordinator:

- Lim Li Lian 012 403 8813
- Justin Hoo 010 536 9816





SEMICONDUCTOR VALUE CHAIN CHART

Semiconductor Production Stages







Fabrication (Foundry)



Assembly, Test & Packaging (OSAT)







Enablers to Chip Production

Automated test equipment



Test interface solutions



Ecosystem Facilitator









Legend:





NXP Semiconductors

NXP Semiconductors N.V. (NXP) is a public Dutch company with headquarters in Eindhoven, Netherlands, and locations throughout the globe. NXP has over 34,200 dedicated team members united by a passion to build solutions—not just products—that enhance the capabilities of people, organisations and society at large.

NXP designs purpose-built, rigorously tested technologies that enable devices to sense, think, connect and act intelligently to improve people's daily lives.

NXP has 60+ years history of experience and expertise; 9,500 patent families; 34,200+ talented teams, and ~ 12,000 R&D members; \$13.28B annual revenue and is present in 30+ countries.

NXP Malaysia facility features the Assembly and Testing of integrated circuits. Our main business activities cover a wide range of industries including:

- Automotive : Providing solutions for automotive electronics, safety and connectivity.
- Networking: Enabling secure connections in networking equipment.
- Wireless Communications : Supporting wireless technologies and devices.
- Industrial Control: Offering solutions for industrial automation and control systems.

NXP Malaysia is also involved in research and development activities like Package Innovation.

As part of NXP's long-term strategic planning and capacity process, expanding NXP Malaysia within the same industrial zone as our existing factory has been announced early this this year to support the incremental internal assembly and test volume.



This strategic move will provide customers with an additional source of supply while enabling NXP to maintain our ~70-80% internal capacity target for enhanced supply control and contribute to the company's revenue growth.

NXP Malaysia has fostered strategic collaboration with selected local Universities, aiming to create a platform for fostering engineering excellence and exploring further opportunities for mutual growth.



We

- Join Research & Development between NXP ATKL and Local Universities (University Malaya, University Putra Malaysia)
- Developing Semiconductor Courses and Practical focus on the most appropriate tools for educators and students to use in classroom or lab





SIRIM

SIRIM is a premier industrial research and technology organisation in Malaysia, whollyowned by the Minister of Finance Incorporated. With over forty years of experience and expertise, SIRIM is mandated as the machinery for research and technology development, and the national champion of quality. SIRIM has always played a major role in the development of the country's private sector. By tapping into our expertise and knowledge base, we focus on developing new technologies and improvements in the manufacturing, technology and services sectors. We nurture Small Medium Enterprises (SME) growth with solutions for technology penetration and upgrading, making it an ideal technology partner for SMEs.

Together with our industry partners, SIRIM has enabled Malaysian products and services achieve due recognition in quality and innovation worldwide. With its unique advantages in research and technology innovation, industry standards and quality, SIRIM offers specialised solutions to serve the needs of all industry sectors, making it the best partner for innovation.

As the national champion of quality, SIRIM through its subsidiary company SIRIM QAS International, is Malaysia's leading testing, inspection and certification services provider, accredited under numerous bodies including the National Accreditation Body, the Department of Standards Malaysia (STANDARDS MALAYSIA) and the United Kingdom Accreditation Service (UKAS) among others. SIRIM plays an active role in local industry standards development and supports national growth in human capital of local industries through technology and certification training programmes. SIRIM also assist organisations towards implementing excellent business culture by associating quality, technology and best practices.



SIRIM is a member of the Global Research Alliance (GRA), a cooperation of leading knowledge-intensive technology organisations from nine countries in four continents. The alliance has a combined strength of more than 50000 scientists and technologists committed to developing global knowledge networks for industry and industrial sectors to enhance their competitiveness. SIRIM is also a member of World Association of Industrial and Technological Organisations (WAITRO), an independent association of industrial research organisations founded under the auspices of the United Nations. It currently has 160 members in 80 countries. SIRIM is An Agency Under The Purview of The Ministry of Investment, Trade and Industry, Malaysia.

QES Group Berhad

QES was founded in Oct 1991. Headquartered in Malaysia, we specialise in manufacturing, distribution and provision of engineering services for inspection, test, measuring, analytical and automated handling equipment. QES Group of companies has since grown into a leading integrated solution provider with manufacturing capability. The Group has 2 core business divisions which are the distribution and manufacturing divisions.

QES has a strong ASEAN footprint with offices in Singapore, Vietnam, Thailand, Indonesia, Philippines, and China. QES manufactured products are also exported to 5 regions, inclusive of Southeast Asia, Eastern Asia, North Africa, Europe and North America. This includes more than 11 countries such as Singapore, Morocco, China, Malta, Taiwan, Thailand, Germany, Mexico, Philippines, Indonesia, and United States.

QES expands its business and seek continuous growth in revenue and market share. One of our primary marketing strategies is to continue expanding our global presence. QES now has distribution networks covering Southeast Asia, China, Taiwan and Europe, with newly penetrated market like India and Korea under close market development plans, and we endeavour to continue expanding our network to cover Japan, USA and Russia in the coming years.

QES allocates about 6%~8% of its annual manufacturing division revenue, investing in Research & Development (R&D) of new products. About 10 new products was developed and introduced to the market in the past 3 years.

In year 2021, QES acquired a new factory in Glenmarie Shah Alam, to double its existing capacity and upgrade its facilities with ISO 6 Cleanroom to meet our increasing requirement in semiconductor equipment demand with





stringent contamination control. On top of that, QES acquired a 2 acres Industrial Land in Batu Kawan, Penang with construction underway to add another manufacturing facility, slated to be ready by end 2024.

QES has participated in programmes involving third-party collaborations, particularly between universities and government linked organizations to enhance students' practical skills, foster partnerships between academia and the private sector, and provide industry exposure as follows:

- 1. University-Industry Collaborations: QES has partnered with Monash and Sunway to offer educational on-site industrial visit and internships to ensure the students receive hands-on experience relevant to their fields of study. QES also participates in their student career talk to share to the students the hiring process, and the career growth around the engineering field.
- 2. Government Collaboration Initiatives:

 QES has previously collaborated with
 MITI, MIDA, MIMOS and other government
 linked organisations with the aim to drive
 economic growth, promote innovation,
 and enhance the country's competitiveness
 in various sectors. By leveraging on
 each other's technical knowledge, such
 collaboration serves as a launchpad for
 innovation, offering crucial resources and
 support to spur the growth of technology
 and industrial development in Malaysia.



We Bring Possibilities



JF Technology Berhad is an award-winning provider of high-performance test interface solutions and test engineering services serving worldwide semiconductor companies. We value collaborative partnerships with customers who develop innovative leading-edge products to meet the needs of next-generation applications. With close to 100 patents filed globally, we are one of the leading test specialist, serving over 200 clients and MNCs, locally and internationally.

JF Technology has currently set a new performance benchmark across international markets and is a leading supplier of high performance test contacting solutions in the global semiconductor industry. The company is located on a 121,000 sq ft of land in Kota Damansara, Selangor and has a 46,000 sq ft area which houses its R&D centre and manufacturing facility.

JF Technology has organized HRDF-certified training programs in Malaysia, focusing on upskilling industry engineers. We have also partnered with local universities and offer internship programs.





MIMOS

MIMOS Berhad

MIMOS is a strategic agency under the Ministry of Science, Technology and Innovation (MOSTI) and a premier innovation centre in Semiconductors, Microelectronics, and ICT technologies, contributing to Malaysia's socio-economic growth through patentable technology platforms, products, and solutions. Since its inception, MIMOS has filed over 2,000 patents across various technology domains and key socio-economic areas, driving Malaysia's digital transformation onto the international stage.

MIMOS focuses on Semiconductor & Thin Film Research, Advanced Electronics & Embedded Systems, and Manufacturing and Smart Nation technologies. MIMOS continuously seeks and enhances collaboration with current and future partners to develop the industry. Additionally, MIMOS maintains its R&D in advanced technology, fosters global technopreneurship, and cultivates an ethos of trust, innovation, and high performance.

To fulfill its role in Malaysia's technology industries, MIMOS is actively involved in numerous initiatives launched by MOSTI, ensuring Malaysia's position as a leader in the global E&E industry.

The Semiconductor Research Consortium, led by MIMOS, aims to advance the MOSTI E&E Roadmap 2021-2030 and support the National Semiconductor Strategy (NSS). Supported by the Ministry of Higher Education Malaysia (MoHE), MOSTI, and industry partnerships, the Consortium seeks to drive semiconductor technology in areas like Advanced Packaging, Wafer Fabrication, and IC Design using MIMOS facilities.

Through its participation in the Industrial Technology Innovation Centre (ITIC) MIMOS will also contribute to Malaysia's value-added contributions as outlined in the E&E Roadmap.



Focused on Automated Test Equipment (ATE), MIMOS will play a vital role in encouraging the localisation of high-value components in manufacturing, software, and firmware.

MIMOS Academy stands as a beacon of excellence in talent development and innovation, pivotal in advancing Malaysia's technology sector. Aligned with the NSS, MIMOS Academy will serve as a vital training ground equipping individuals with the requisite capabilities to thrive in the dynamic tech landscape.



Headquartered in the Netherlands, Nexperia is a global semiconductor company with a rich European history and over 14,000 employees across Europe, Asia, and the United States. As a leading expert in the development and production of essential semiconductors, Nexperia's components enable the basic functionality of virtually every electronic design in the world – from automotive and industrial to mobile and consumer applications.

The company serves a global customer base, shipping more than 100 billion products annually. These products are recognized as benchmarks in efficiency – in process, size, power and performance. Nexperia's commitment to innovation, efficiency and stringent industry requirements are evident in its extensive IP portfolio, its expanding product range and its certification to IATF 16949, ISO 9001, ISO 14001 and ISO 45001 standards.

Nexperia has a global footprint and is headquartered in Nijmegen (Netherlands), with over 14,000 employees across Europe, Asia and the United States. We have numerous sites serving each of the three global regions Europe, Asia and the Americas all in close proximity to our key customers.

NEXPERIA MALAYSIA SDN BHD

Nexperia Malaysia Sdn Bhd is an Assembly & Test Plant of semiconductors products with an annual production capacity of 32 billion products. Located in Senawang, Negeri Sembilan and operating since 1992. We manufacture Bipolar Transistors, Diodes, Analog Logic ICs & MOSFETs. Recent major expansion projects include constructing a 20,250 sqm 4 storey production building for future expansion and installing a 1,600 sqm state of the art Regional Failure Analysis and Reliability Lab.





NEXPERIA R&D MALAYSIA SDN BHD

IC design center based in Penang, focused on digital and analog products. Established in Mar 2020 and released first design in Feb 21. Current focus on general purpose analog switches, current and power monitors with ambition to also produce designs for High and Low Voltage Analog Switchers, Battery Management Systems and Hot Swap Controller products.

Both entities have been actively engaging with learning institutes in Malaysia to build a strong talent pipeline and bridge the gap between Industry and Academia. Our programs include:

- Financial support for students at USM and UM for IC Design in 2023.
- MoU signed in year 2024 with APU on talent pipeline initiatives including internship and fresh graduate employment (NexGEM), focusing mainly on Data Science and Artificial Intelligence.
- MoU signed in year 2023 with UTeM for joint research project involving our Engineers from Package R&D Team.
- Participate in career fair, career talk and mock interviews for university students (USIM, UniMAP, UTEM, UTP, APU, MARA, etc).
- Upskilling and reskilling programs via TVET institutes for Operators career progression involving ADTEC Taiping in 2022 and ILP Bukit Katil in 2024.



onsemi

onsem

onsemi specializes in delivering industry-leading intelligent power and intelligent sensing solutions that help our customers solve challenging problems and greatly improve the safety, sustainability and power efficiency of end products in the automotive and industrial markets.



Business Activities in Malaysia

onsemi Malaysia is a key semiconductor player, contributing to global and local economic and technological growth. Main activities include:

1. High Volume Manufacturing:

- Wafer Fab (Front-End): 125K sqft facility with a 50K sqft cleanroom, handling 6" Fab & Probe for discrete devices and 8" Grind & Metalization for discrete devices, power modules, and sensors.
- Probe, Assembly & Test (Back End): Focuses on high-efficiency power packages, power modules, and various packaging technologies like QFN, MicroQFN, CSP, and WSP.

- 2. **High Volume Manufacturing**: In Kuala Lumpur, managing external manufacturing, shared services, Global Sourcing, IT & QA.
- 3. **R&D**: Packaging innovation & development center focusing on Advance Packaging Technologies.

As a commitment to education and research, we partner with Universiti Teknikal Malaysia Melaka (UTeM) in various areas such as IE, TCAD and 3D simulation and modelling, and SiC R&D. Collaboration activities:

- Syllabus and curriculum updates to stay relevant to the current market needs.
- Microbit / STEAM Projects with primary school (Sekolah Rendah TTJ 2).
- Internship programs (averaging 30 per year) with local universities, mainly UTeM.
- Published research papers.





ORGANISERS



REFSA is a progressive, not-for-profit think tank that promotes social advancement in Malaysia. Since its inception in 2004, REFSA has been at the forefront of policy discussions and debates in the important political and socio-economic issues of the nation. Today, our aspiration hasn't changed – we want to power the movement for a just, inclusive, and multiracial society.

To achieve this, we strive to:

- Provide credible and robust analysis to promote constructive dialogues
- Engage in public policy debates
- Build awareness of various aspects of social, economic and political issues.

What is social advancement?

To put it simply, it is to make people's lives better. We believe that us Malaysians, regardless of race, religion or cultural background, have common aspirations and are seeking the same things in life. REFSA seeks to participate in and shape discussions that aim to create betterment for everyone.



Sidec, or the Selangor Information Technology and Digital Economy Corporation, is a state government agency in Selangor. Sidec's primary role is to lead the digital transformation of the state by fostering innovation, supporting entrepreneurship, and promoting the adoption of digital technologies across various sectors of the economy.

Sidec was established to make Selangor a leader in the digital economy within the ASEAN region. It aims to empower businesses, startups, and entrepreneurs by providing the tools, resources, and programs necessary to thrive in the digital age.

At Sidec, we are dedicated to nurturing innovation and entrepreneurship while ensuring the widespread adoption of digital technologies across various economic sectors. Our mission is to accelerate the digital transformation of Selangor, fostering an environment where startups, SMEs, and technology entrepreneurs can thrive and contribute to the state's economic vitality.



Invest Selangor Berhad is a one-stop agency that provides information, advisory services, as well as start-up or expansion assistance to potential and existing investors. For over 25 years, Invest Selangor has been assisting foreign and local investors in Selangor.

As a one-stop investment promotion agency, we provide essential business information and comprehensive advisory services to help investors set up business in the state. Invest Selangor will continually strive to create a conducive investment-friendly environment through the creation of new networks, services and competitive incentives provided by the Malaysian Investment Development Authority (MIDA) – and continually showcase to the world the dynamic, golden state of Selangor.



Name	Designation/Organisation
YB Liew Chin Tong	Deputy Minister MITI
Nurul Izzah Anwar	Co-Chairperson Secretariat of the Special Advisory Board to MOF
YB Ng Sze Han	EXCO for Investment, Trade, and Mobility Selangor State Executive Council
Tan E Hun	Executive Director REFSA
Dato' Hasan Azhari Haji Idris	CEO Invest Selangor
Yong Kai Ping	CEO SIDEC
Noor Suziyanti Saad	Director, Electrical and Electronics Division MIDA
Khairul Annuar Mohd Yunos	Principal Assistant Director MITI
Hasnol bin Hassan	Senior Assistant Secretary, Industry Development Division MITI
Bryan Lim Tsin Lin	Executive Director, Dana Impak Khazanah Nasional Berhad
Kayse Foo Shiou Voon	Director, Dana Impak Khazanah Nasional Berhad
Lim Bee Vian	Fellow REFSA
Lim Li Lian	Deputy Director REFSA
Frederik Paulus	Economics Advisor REFSA
Kwan Wan Hong	Vice President, Investments Khazanah Nasional Berhad
Izuddin Hassan	Assistant Vice President, Investments Khazanah Nasional Berhad
Bobby Ng Guo Zhi	Assistant Vice President, Dana Impak Khazanah Nasional Berhad
Dr Cassey Lee	Senior Fellow ISEAS - Yusof Ishak Institute



Name	Designation/Organisation
Dr Francis Hutchinson	Senior Fellow ISEAS - Yusof Ishak Institute
Harris Zainul	Deputy Director (Research) ISIS
Angeline Tan	Analyst, Foreign Policy and Security Studies ISIS
Jaideep Singh	Analyst, Economics, Trade and Regional Integration ISIS
Prof. Dr. Kuik Cheng Chwee	Professor, International Relations UKM
Fikry Abdul Rahman	Head of Foreign Affairs Bait Al Amanah
Ibrahim Suffian	Co-Founder and Programmes Director Merdeka Center
Ng Jan Tzen	Managing Director JZ Industry Sdn Bhd
Azfar Hanif Azizi	Research Associate Khazanah Research Institute
Loo Chuan Boon	Chief Operating Officer SIDEC
Lee Wai Meng	Manager, Startup & SME Division SIDEC
Lau Wei Ping	Assistant Manager, Startup & SME Division SIDEC
Angel Low	General Manager Al Nusantara
Louis Chee	Business Development Manager Al Nusantara
Muhammad Firdaus Affandi	Corporate Communications SDS AI Lab
Nur Maisarah Mohd Hamzar	Business Development SDS AI Lab
Aina Dalilah Asykin	Program Coordinator SDS AI Lab
Muhd Syazwan Aqrimi	Al Engineer SDS Al Lab



Name	Designation/Organisation
Aisyah Amir	Marketing Executive SDS AI Lab
Nik Izuddin Nik Mohd Yusof	Director, Investment Development Invest Selangor
Jack Lim Kok Kuan	Manager Invest Selangor

LIST OF COMMITTEE

Name	Designation/Organisation
Justin Hoo	Committee REFSA
Iqbal Khairuddin	Committee REFSA
Ng Wei Ling	Special Functions Officer to Deputy Minister MITI
Wong Chung Hui	Media Officer to Deputy Minister MITI
Liew Kit Fye	Senior Secretary to YB Ng Sze Han Selangor State Government
Chew Ru Xuan	Press Secretary to YB Ng Sze Han Selangor State Government



Level 5, Block A, Wenworth Building, Jalan Yew, Off Jalan Pudu, 55100 KL

(03) 9285 5808

www.refsa.org

- **REFSA**
- InfoREFSA
- **o** refsa_my
- mefsa.org
- REFSA Research for Social Advancement