



INVEST MALAYSIA



INDUSTRY

Positioning Malaysia as a Global
Leader in Industrial Gases

SERVICES

Bunkering Advancements
and Their Economic
Spill-Over: Unlocking
Strategic Value for Malaysia

GOING GLOBAL SERIES

XTS Technologies: Driving
Innovation from Malaysia to
the World

From the CEO's Desk

Dear valued partners and esteemed readers,

As we reach the midpoint of 2025, I'm proud to reflect on the continued resilience and adaptability that define Malaysia's investment journey. Across sectors and regions, we're not just keeping pace - we're setting the pace. Our shared efforts between government, industry, and investors are positioning Malaysia as a hub for sustainable, high-impact investments in an ever-changing global landscape.

This edition of the InvestMalaysia e-Newsletter reflects that momentum. It traces the confluence of policy, innovation, and enterprise that is shaping the contours of our modern and robust industrial landscape.

We begin by spotlighting the often overlooked but indispensable industrial gases sector, a crucial driver of precision and progress across industries. With rising demand in high-technology sectors such as semiconductors, aerospace, and healthcare, Malaysia's commitment to expanding domestic capabilities is evident in the success of companies like Ace Gases Sdn. Bhd., which has emerged as a regional leader in specialty gas innovation and sustainability.

Our services sector features a compelling story. Malaysia is forging ahead in green maritime logistics, with advancements in sustainable bunkering practices. The successful implementation of LNG and biofuel operations at key ports like Port Klang and Port of Tanjung Pelepas demonstrates our readiness to lead in clean fuel infrastructure, with ripple effects across shipbuilding, logistics, and oil and gas services.

The Going Global section highlights XTS Technologies, a homegrown automation solutions provider that exemplifies Malaysian innovation on the regional stage. Through precision engineering and intelligent logistics systems, XTS is enabling Industry 4.0 adoption across Southeast Asia, while contributing to Malaysia's reputation as a launchpad for scalable, tech-driven solutions.

In this issue, we also showcase the East Coast Economic Region's "Mencipta Destinasi" strategy, which is transforming untapped natural assets into a thriving, sustainable tourism economy. With RM8 billion in GDP contribution projected by 2030, ECER is emerging as Malaysia's next frontier for eco-conscious growth.

The past month's events further underscore Malaysia's investment depth and strategic foresight. For instance, at Data Centre Nexus 2025 (DCN), over 400 leaders came together to shape the future of Malaysia's digital economy. With over RM278 billion in approved digital investments since 2021, Malaysia is well on its way to becoming a regional digital powerhouse.

From the CEO's Desk

Other milestones reinforce our ESG and innovation credentials. A landmark MoU between MIDA and the UN Global Compact Network Malaysia & Brunei marks a new chapter for responsible business practices. At LIMA 2025, our aerospace and shipbuilding capabilities were centre-stage, signalling not only technical sophistication but sovereign confidence. Likewise, at SEMICON Southeast Asia 2025, Malaysia reaffirmed its anchor position in the global semiconductor value chain—advancing our National Semiconductor Strategy from ambition to execution.

As a special feature in this edition, we shine a spotlight on the UMIC Group from Universiti Malaya, a national leader in IC design and deep-tech innovation. With groundbreaking advancements in RF energy harvesting and a strong track record of academia-industry collaboration, UMIC is playing a pivotal role in strengthening Malaysia's position in the global semiconductor value chain.

These developments reflect a clear through line: a nation committed to enabling investment, accelerating transformation, and elevating value—at home and abroad.

MIDA remains committed to supporting investors through facilitative policies, ecosystem strengthening, and meaningful collaboration.

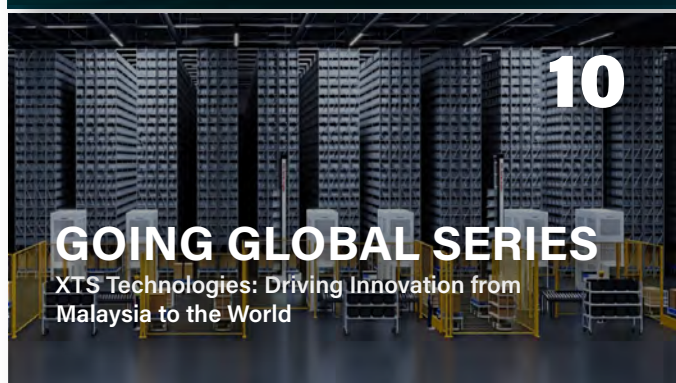
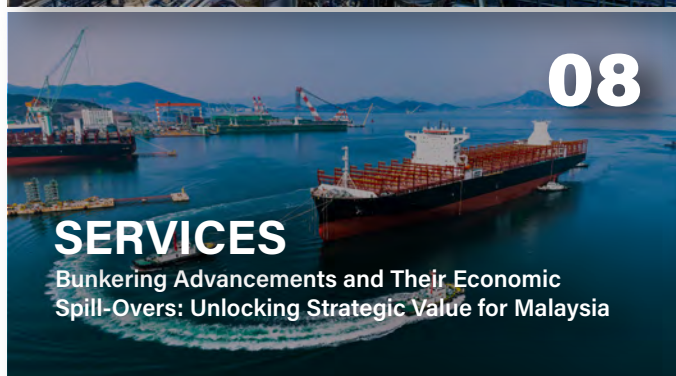
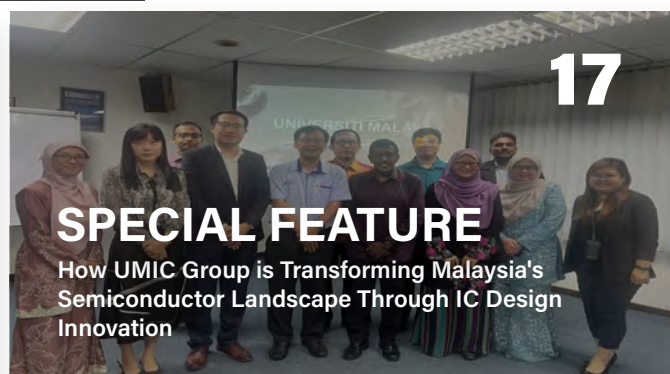
I invite you to explore the insights and opportunities in this edition and discover how Malaysia continues to redefine its role on the global investment stage.

DATUK SIKH SHAMSUL IBRAHIM SIKH ABDUL MAJID

Chief Executive Officer
Malaysian Investment Development Authority (MIDA)



In this issue





Positioning Malaysia as a Global Leader in Industrial Gases



Industrial gases, often regarded as the 'unsung heroes' of the manufacturing sector, have long served as the backbone of diverse industries. Over time, the role of industrial gases has expanded beyond basic support to become a critical enabler of innovation and efficiency in the manufacturing sector. Produced through air separation processes, the industrial gases market, which is traditionally dominated by common gases like oxygen, nitrogen, argon, and carbon dioxide, has undergone a significant transformation. Today, there is an increasing demand for high-purity specialty gases and precision engineering gas mixtures, which are crafted to meet the stringent and evolving standards of advanced industries.

The global industrial gases market, valued at approximately USD99 billion in 2023, is projected to grow at a compound annual growth rate (CAGR) of 5.3% from 2024 to 2034. In contrast, the specialty gases market was valued at approximately USD12 billion in 2024 with a healthy CAGR of 6%. This growth is driven by surging demand in the manufacturing sector, notably in semiconductors, petrochemicals, food and beverage, metals, and healthcare, particularly in developing economies across the Asia Pacific region.

In Malaysia, the industrial gases market is projected to grow at a CAGR of 6.3%, underpinned by robust demand across sectors such as metal fabrication, oil and gas, food processing, healthcare, and semiconductor manufacturing. Currently, there are more than 10 industrial gases manufacturers producing a wide range of high-purity gases with purities ranging from 99.5% to 99.9%.

As Malaysia advances its manufacturing sector, especially in semiconductor fabrication, aerospace, medical devices, and green technologies, the demand for industrial gases has charted a parallel surge. A consistent and reliable supply of high-purity gases has become paramount to maintain precision in processes. Reducing dependency on imports is essential to mitigate supply disruptions and enhance cost efficiency, thereby boosting the competitiveness of Malaysian businesses in the global market.

Innovation and Expansion: The ACE Gases' Success Story

Local players in Malaysia's industrial gases sector have established a niche by leveraging innovation, sustainability and strategic partnerships. Among the key players, **Ace Gases Sdn. Bhd.**, wholly owned by Kelington Group Berhad, has carved its prominence in the specialty gases landscape. The company's core strength lies in its technological edge and integrated supply chain capabilities, supporting critical sectors such as electronics,

semiconductors, food & beverage and oil & gas. Ace Gases has 'aced' its way to becoming one of Malaysia's largest Liquified Carbon Dioxide (LCO₂) manufacturers and a specialised provider of total gas solutions. The company offers industrial and specialty gases, as well as engineering services for gas pipelines, on-site generation, and equipment installation.

The core of Ace Gases' business centres on innovation in CO₂ recovery, transforming industrial waste gases into ISBT-certified food-grade LCO₂ and Halal-certified dry ice. The first CO₂ recovery plant in Kerteh, Terengganu, began operations following a long-term raw CO₂ supply agreement with a major upstream gas processing facility. In 2024, the company launched its second plant in Kerteh, expanding total capacity to 125,000 tonnes per year. This is complemented by a dry ice production facility in Shah Alam, alongside regional expansion to Singapore, India, Indonesia, and the Philippines, enabling wider export activities.



Ace Gases also designs, owns, and operates on-site gas production facilities, supplying an uninterrupted, ultra-high purity supply of Nitrogen (N₂), Oxygen (O₂) and Hydrogen (H₂) gases for the electronics and semiconductor industries. Its on-site generation model eliminates the need for fuel-consuming deliveries, contributing to lower emissions and enhanced environmental sustainability. The company also offers a Build-Own-Operate (BOO) model, allowing new investors to avoid upfront capital expenditure. This flexible structure enables manufacturers to focus on core operations while Ace Gases ensures reliable gas supply and full facility management.

With a wide distribution network across Asia Pacific, Ace Gases is able to ensure consistent quality and secure delivery of critical electronic gases, which are essential to the electrical and electronics (E&E) sector. Its customer base includes global technology leaders from the optoelectronic semiconductor, solar cells, and modules segments.

Through continuous investment in infrastructure, technology, and green innovation, Ace Gases is committed to 'delivering innovation

in every molecule', helping to position Malaysia at the forefront of the global industrial and specialty gas supply chain.¹

Aligning with Malaysia's Industrial Vision

Malaysia's industrial and specialty gases sector is poised for growth, aligning closely with the nation's strategic frameworks, particularly the Chemical Industry Roadmap (CIR) 2030 and the New Industrial Master Plan (NIMP) 2030. Specialty gases are identified as pivotal enablers for high-value downstream industries, including electronics, petrochemicals, and advanced materials. In this context, the Malaysian Government is committed to advancing this niche sector to fortify a resilient industrial ecosystem, not only within Malaysia but also across the ASEAN region, amidst the challenges posed by global supply chain uncertainties.

To know more about the business potential and Government's facilitation for the investment journey in this segment, contact the Chemical and Advanced Materials Division at <https://www.mida.gov.my/staffdirectory/chemical-and-advanced-material/>

¹ To learn more about Ace Gases Sdn. Bhd., visit www.acegases.com





Bunkering Advancements and Their Economic Spill-Over: Unlocking Strategic Value for Malaysia

The global maritime industry is undergoing a major transformation as it aligns itself with the broader global agenda of sustainability and decarbonisation. Central to this shift is the evolution of the bunkering sector—the process of supplying fuel to ships—which has moved beyond its traditional role into a vital component of green shipping strategies. This transformation is driven by the International Maritime Organisation's (IMO) regulations on sulphur emissions, the increased uptake of low-carbon fuels, and intensifying climate ambitions across the shipping industry.

Countries across the globe are ramping up investments in alternative fuel infrastructure such as LNG (liquefied natural gas), biofuels, and, more recently, ammonia and methanol. These cleaner alternatives not only comply with stricter environmental regulations but also provide competitive advantages to ports and shipping lines that are first movers in green innovation.

Malaysia: A Key Player in Sustainable Bunkering Ecosystem

Malaysia, strategically located along the Straits of Malacca—one of the world's busiest and most vital maritime corridors—is well-positioned to

seize the opportunities emerging from this global pivot. The nation's ports are already making headway. In a major milestone, the Port of Tanjung Pelepas (PTP) successfully carried out its first LNG bunkering operation in collaboration with PETCO and CMA CGM, a global shipping and logistics company in February 2024. Similarly, Port Klang completed two successful biofuel bunkering operations for Taiwanese carrier Yang Ming in July 2024 using B24 fuel—a blend of used cooking oil methyl ester and marine fuel—which reportedly achieved up to a 20 percent reduction in greenhouse gas emissions.

These early successes demonstrate Malaysia's growing readiness to play a pivotal role in the sustainable bunkering ecosystem. However, the implications extend far beyond cleaner fuel supply alone. As bunkering capabilities grow, they generate a powerful ripple effect across several high-impact industries—namely, logistics, shipbuilding and ship repair, and oil and gas services. These sectors are not only essential to maritime trade but are also vital to Malaysia's broader industrial and investment strategy.

Government Facilitation and Support

The logistics industry, for instance, is a direct beneficiary of enhanced bunkering activity. Efficient fuel delivery and vessel turnaround depend on strong port logistics, modern warehousing, and advanced supply chain coordination. With transshipment hubs like PTP and Port Klang ranked among the top in Southeast Asia, Malaysia is primed to attract further investment in integrated logistics and support infrastructure. MIDA continues to facilitate such investments, focusing on third-party logistics providers, cold chain logistics, and maritime-related transportation solutions that enhance port competitiveness.

Meanwhile, the shift towards alternative fuels creates new demand in the shipbuilding and ship repair sector. As global fleets transition to dual-fuel and low-emission vessels, there is a growing need for retrofitting services, emission control technologies, and future-ready vessel designs. Malaysia's shipyards—many of which are already active in regional markets—can scale up capabilities through targeted investments in engineering upgrades, skilled labour, and green ship design innovation. MIDA's support in promoting this industry includes incentives for modernisation, digitalisation, and environmentally friendly technologies.

In addition, Malaysia's oil and gas services industry—one of the most developed in the region—offers strong synergy with the demands of the modern bunkering landscape. LNG bunkering, in particular, requires high-level expertise in cryogenic fuel management, safety protocols, and terminal operations. Malaysia's existing strengths in offshore marine services,

fabrication, and energy engineering provide a solid platform for expansion into these emerging technical domains.

To maximise the economic spill overs from bunkering-related growth, a coordinated policy and investment approach is crucial. While MIDA does not directly regulate bunkering operations; it assumes an instrumental role in shaping the surrounding industrial ecosystem. By enabling capital inflow, fostering public-private collaboration, and promoting sustainable technology adoption, MIDA ensures that Malaysia remains competitive in the global maritime economy.

Building a Greener Maritime Economy Through Strategic Industrial Integration

In conclusion, the evolution of the bunkering industry presents a compelling opportunity for Malaysia to reinforce its position as a regional maritime and logistics hub. The integration of green bunkering services with logistics, ship servicing, and oil and gas support infrastructure signals the emergence of a more resilient and sustainable industrial base.

With strategic and customised facilitation from MIDA, these developments are well-aligned with national ambitions to grow the maritime economy, create high-value jobs, and support the transition to low-carbon industrial growth.

For more information on investment opportunities in logistics, shipbuilding and ship repair, and oil and gas services, contact the Oil and Gas, Maritime and Logistics Services Division at <https://www.mida.gov.my/staffdirectory/oil-and-gas-maritime-and-logistics-services-division/>.





XTS Technologies: Driving Innovation from Malaysia to the World

XTS Technologies®

In today's rapidly evolving industrial landscape, automation and intralogistics are critical to enhancing efficiency, reducing costs, and maintaining global competitiveness. Headquartered in Malaysia, XTS Technologies Sdn. Bhd. is positioned as a key player at the forefront of this transformation—delivering innovative production automation, intralogistics solutions, and precision sheet metal fabrication services to industries across borders.

Expanded Offerings Across the Automation Spectrum

With deep expertise in production automation, XTS Technologies delivers end-to-end solutions including cleaning systems, customised conveyor lines, robotic integration, and Karakuri automation. Complementing these are its advanced smart warehouse and intralogistics solutions, covering both hardware and software layers—such as Automated Storage and Retrieval Systems (ASRS), Automated Guided Vehicles (AGV), Autonomous Mobile Robots (AMR), tote-picking and sorting robots, Vertical Lift Modules (VLM), Dimension-Weight-Scan (DWS) systems, and Warehouse Management Software (WMS).

To support both local and international industrial clients, XTS Technologies operates a comprehensive sheet metal fabrication facility, offering laser cutting, CNC bending, welding,

assembly, and custom automation machining. The company also provides OEM services, catering to overseas partners seeking tailored engineering solutions.

Currently, XTS Technologies serves not only clients throughout Malaysia but also maintains active operations in Singapore, Indonesia, Thailand, Vietnam, and Australia.

Going Global: From Local Expertise to Regional Excellence

Recognising the global demand for intelligent and cost-effective automation solutions, XTS Technologies strategically expanded its footprint beyond Malaysia. Its regional presence in countries such as Singapore, Thailand and Indonesia has unlocked new avenues for collaboration and growth, particularly with manufacturers and logistics players seeking smart factory integration.

The company attributes its successful internationalisation to:

- a deep understanding of industry needs and operational pain points;
- robust research and development (R&D) and engineering capabilities; and
- strong partnerships with regional collaborators and system integrators.

By offering turnkey automation and sheet metal fabrication services tailored to client's specific requirements, XTS Technologies has enabled companies across Southeast Asia to improve productivity, reduce downtime, and strengthen their global competitiveness.

Malaysia as a Launchpad for Innovation

The journey of XTS Technologies underscores the advantages of building a global business from Malaysia. The country's **strategic location, skilled talent pool, and supportive business ecosystem**—including facilitation by MIDA—have played a vital role in enabling the company's regional growth trajectory.

Through MIDA's various facilitation programmes and incentive schemes, XTS Technologies has benefited from advisory support, market expansion strategies, and international exposure. The company continues to leverage Malaysia's strong emphasis on digitalisation, industrial automation, and talent development, positioning itself as a significant contributor to the country's national transformation agenda.

Advancing a Future-Ready Vision

Looking ahead, XTS Technologies remains steadfast in its commitment to advancing industrial excellence through innovation. The company is actively investing in:

- **Artificial intelligence (AI)-driven automation** to unlock intelligent manufacturing;
- **Internet-of-Things (IoT)-enabled logistics** for real-time operational insights; and

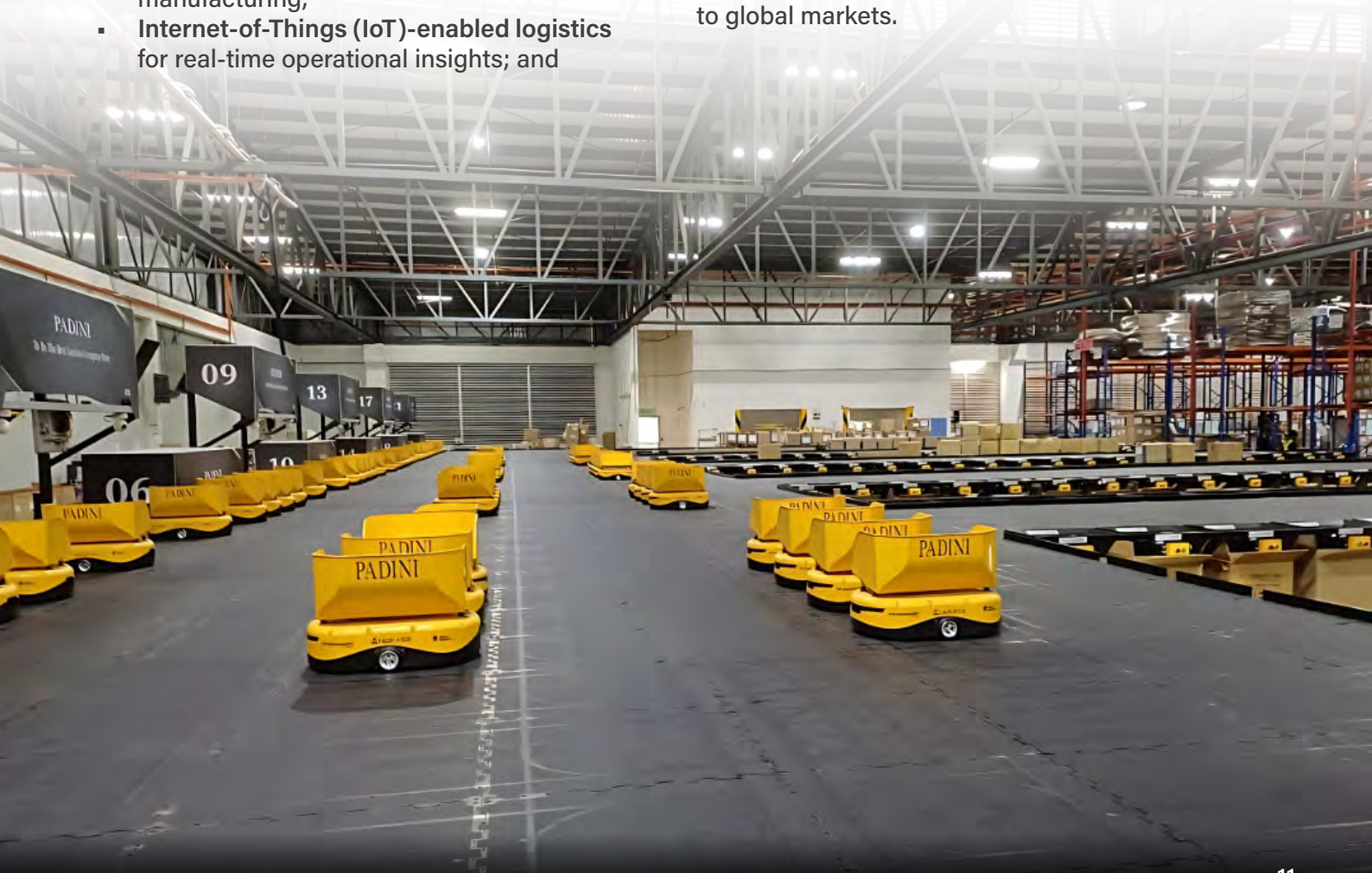
- **Sustainable practices** in design, production, and energy efficiency.

In line with its broader social impact goals, XTS Technologies is also integrating its technology into the **education sector**. The company offers educational robotic arms and hands-on training programmes to universities, focusing on programming, automation software, and robotics. These initiatives aim to bridge the gap between academia and industry, equipping future talent with the skills required for Industry 4.0 and beyond.

Conclusion

From a homegrown Malaysian enterprise to a regional automation solutions provider, XTS Technologies exemplifies the capability of Malaysian companies to scale globally through innovation, adaptability, and strategic vision.

With its wide-ranging in-house capabilities— from robotics and warehouse systems to sheet metal fabrication and OEM automation services— XTS Technologies continues to set itself apart as a one-stop automation partner for modern industry. As the company evolves, it remains committed to shaping a smarter, more connected industrial future while proudly carrying the Malaysian name to global markets.





Investing in the Future of Tourism: Opportunities in ECER

Unlocking Investment Opportunities in ECER's Expanding Tourism Industry

A region where unspoiled coastlines meet boundless opportunity, the East Coast Economic Region (ECER) is quickly emerging as Malaysia's next tourism frontier. With the ECER Development Plan 2026-2030 charting a bold new course, investors now have a unique window to tap into a region rich in natural beauty, cultural heritage, and investor-friendly incentives.

Spanning Kelantan, Terengganu, Pahang, and the districts of Mersing and Segamat in Johor, the ECER attracts over 10 million visitors annually. From pristine beaches and lush rainforests to time-honoured traditions, its tourism appeal is as diverse as it is compelling. With a projected contribution of RM8 billion to GDP by 2030, ECER's tourism growth is being guided by the "Creating Destinations" ('Mencipta Destinasi') framework under ECERDC, which blends sustainable development with strategic infrastructure investments.

Through close coordination with federal and state agencies, ECERDC facilitates processes for investors—from approvals to infrastructure—creating a seamless, investor-friendly environment designed for long-term tourism success.

Creating Destinations in ECER

The Creating Destinations initiative is one of the core elements of ECER's development plans. This strategic thrust emphasises the development of sustainable tourism while fostering socio-economic growth across four key tourism segments:

1. Sustainable Island Tourism

Boasting over 176 islands—including gems like Perhentian, Redang, Kapas, and Tioman—ECER is a sanctuary for eco-conscious travellers and investors. The region offers abundant opportunities for eco-friendly, low-impact developments that safeguard marine biodiversity.

Through initiatives like Rainforest to Reef (R2R), ECERDC is connecting lush rainforests with vibrant marine ecosystems, attracting eco-conscious travellers. These island destinations are ideal for sustainable investments such as eco-resorts, nature-based attractions, and conservation-driven ventures. ECERDC supports these investments, ensuring that environmental responsibility goes hand in hand with growth, making ECER an ideal choice for purpose-driven tourism investment.



2. An Adventure on Wheels with Recreational Vehicle (RV) Tourism

The ECER offers an ideal setting for RV tourism with its breathtaking coastlines, verdant eco-parks, and charming historic towns. Strategically located sites along the Northern and Southern Coasts and the Eco-Park Route provide exciting prospects for developing RV parks, rental services, and supporting infrastructure.

As part of the “Creating Destinations” strategy, historic towns such as Kota Bharu, Kuala Terengganu, Pekan, and Segamat are being revitalised into vibrant tourism hubs. These developments are set to draw adventure seekers, making ECER a rising destination for nature-based, mobile tourism.

3. Transformative Connectivity Through Rail Tourism

Rail tourism is gaining momentum in ECER through partnerships with Keretapi Tanah Melayu Berhad (KTMB), offering investors

opportunities to create themed train experiences linking heritage towns like Raub, Kuala Lipis, and Kota Bharu.

The upcoming East Coast Rail Link (ECRL), featuring 15 new stations from Bentong to Kota Bharu, will provide reliable, year-round access to popular coastal destinations such as Cherating, Dungun, and Kuala Terengganu. Expected to serve 40% of Kuala Lumpur International Airport arrivals by 2030, the ECRL promises a greener alternative to road travel.

Complementing this is the Central Spine Road (CSR), a 306.8-kilometre toll-free highway from Kuala Krai in Kelantan to Bentong in Pahang, set for completion in 2026. The CSR will enhance travel efficiency, linking rural and economic centres while opening access to attractions like Lojing Highlands, Lake Kenyir, and the Kuala Gandah National Elephant Centre—catalysing growth throughout ECER.





Upgrades to Sultan Ismail Petra Airport will boost annual capacity to 4 million passengers, drawing travellers from Southeast Asia, East Asia, and the Middle East, creating opportunities in hospitality, retail, and transport.

4. Spotlight on ECER: Invest in World-Class Events

ECER is renowned for its vibrant calendar of international eco-adventure, cultural, and heritage events, including the Kelantan's International Kite Festival, Terengganu's World Gamelan Festival, the Kapas-Marang International Swimathon, Mersing's Arong Man Challenge, and Pahang's Merapoh Rainforest Trail Challenge and Royal Pahang Billfish International Challenge.

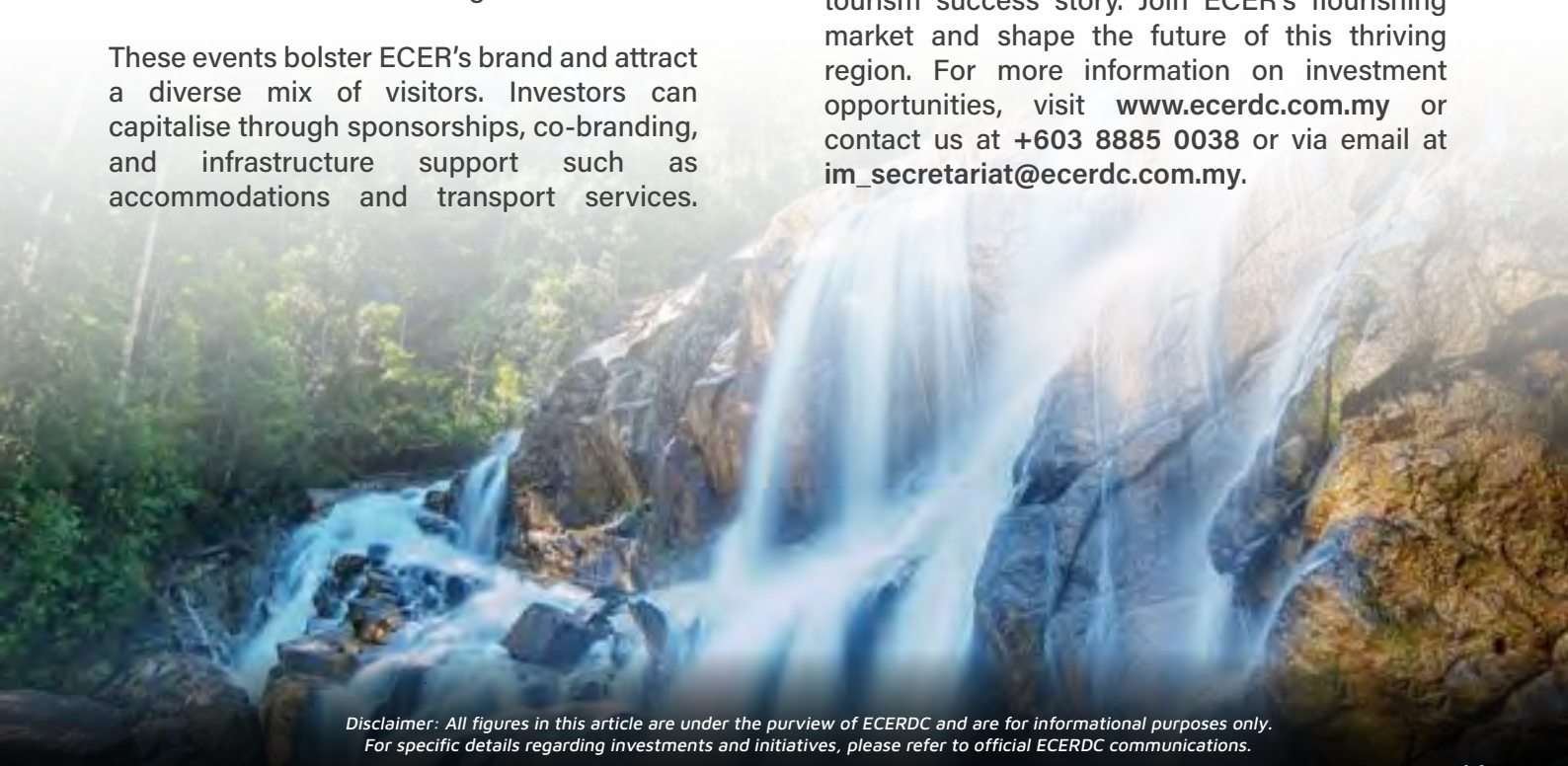
These events bolster ECER's brand and attract a diverse mix of visitors. Investors can capitalise through sponsorships, co-branding, and infrastructure support such as accommodations and transport services.

Opportunities also exist in event management, promoting local crafts, and launching sustainable tourism ventures like eco-lodges—amplifying brand visibility in a globally recognised tourism landscape.

Position Your Investment in ECER's Flourishing Tourism Market

With its captivating natural beauty, rich heritage, and enabling infrastructure, ECER is emerging as Malaysia's top destination for tourism investments. From cultural heritage and eco-tourism to adventure and luxury experiences, ECER offers countless opportunities.

Now is the time to invest in Malaysia's next tourism success story. Join ECER's flourishing market and shape the future of this thriving region. For more information on investment opportunities, visit www.ecerdc.com.my or contact us at +603 8885 0038 or via email at im_secretariat@ecerdc.com.my.



Disclaimer: All figures in this article are under the purview of ECERDC and are for informational purposes only. For specific details regarding investments and initiatives, please refer to official ECERDC communications.



Strengthening International Collaboration: German Technology Park Melaka Gains Momentum with IWS-WEC Visit and TVET Development Exploration

On 8 May 2025, the Melaka State Government hosted a high-level delegation from the Internationale Wirtschaftssenat – World Economic Council (IWS-WEC), signalling growing international interest in the state's investment opportunities. The visit, facilitated by MIDA Melaka, marked a significant milestone in the efforts to advance the development of the German Technology Park (GTP).

The programme commenced at the Melaka International Trade Centre with a comprehensive briefing on Melaka's investment landscape and the GTP's development vision. YB Datuk Khaidhirah Binti Abu Zahar, Deputy Exco for Investment, Industry and TVET Development, delivered her welcoming remarks, followed by an investment presentation by Mr. Jaibalan Harirajan, Director of MIDA Melaka. The session concluded with remarks from Mr. Peter Nussbaum, Chairman of IWS-WEC, and a productive Q&A session that enabled meaningful dialogue among stakeholders.

The delegation later paid a courtesy call on YAB Datuk Seri Utama Ab Rauf bin Yusoh, Chief Minister of Melaka. A key highlight of the visit was the official exchange of the Memorandum of Understanding (MoU) between Melaka Corporation (MCORP) and IWS-WEC, symbolising the formalisation of this strategic collaboration.

To further showcase Melaka's readiness to support high-technology investments, the delegation visited Infineon Technologies (M) Sdn. Bhd., a flagship in the state's thriving electronics and semiconductor ecosystem. The visit concluded with a cultural tour of Jonker Walk and the Melaka River Cruise, offering delegates an authentic experience of the state's rich heritage.

Building Talent for Future Industries

The GTP is a proposed integrated development that aims to attract and host high-technology companies, particularly from Germany and Europe, in key sectors such as advanced manufacturing, automation, green energy, Industry 4.0, and digitalisation. The initiative reflects Melaka's strategic push to strengthen its role as a regional hub for high-value investments while fostering technology transfer, innovation and economic sustainability.

As part of efforts to position GTP as a regional hub for advanced industries, the next phase of development focuses on building a comprehensive talent pipeline to support future investments. MCORP and IWS-WEC, with support from MIDA Melaka, are currently exploring potential collaboration with established institutions such as Universiti Teknikal Malaysia Melaka (UTeM) and the German-Malaysian Institute (GMI) to integrate a Technical and Vocational Education and Training (TVET) element into the GTP ecosystem.



Aligned with the objectives outlined for the GTP, MCORP is evaluating opportunities to strengthen the ecosystem through strategic partnerships and knowledge exchange. These efforts include ongoing discussions with UTeM and GMI to explore collaboration in technical and vocational education, particularly to address high-tech industry needs.

This proposed initiative aims to develop a training environment focused on mechatronics, robotics, precision engineering, and Industry 4.0, in alignment with global German technical standards and local industrial needs. The involvement of UTeM and GMI is expected to ensure that training programmes are both industry-relevant and future-ready.

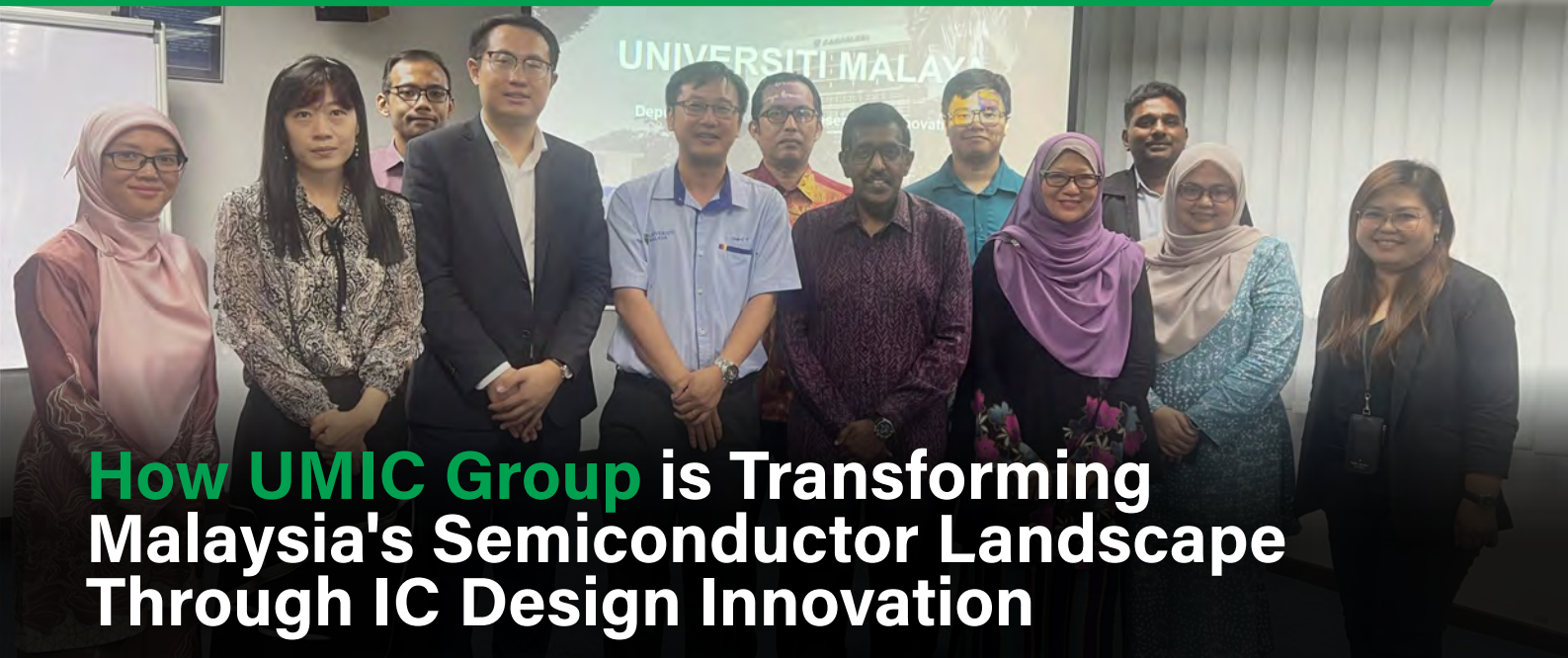
The GTP TVET initiative is envisioned to include structured apprenticeship programmes, dual vocational training models, and industry certification

schemes, developed in partnership with future GTP tenants and German technology providers. Such collaboration supports Melaka's broader strategy to promote TVET as a preferred career pathway and to build resilient, industry-ready human capital.

Ongoing Commitment to Sustainable Investment Promotion

The State Government of Melaka, together with MIDA and MCORP, remains committed to advancing this agenda. The German Technology Park is set to become a catalyst for high-technology growth, supporting Malaysia's vision for sustainable and innovation-led economic development through strategic investments, talent development, and global collaboration.





How UMIC Group is Transforming Malaysia's Semiconductor Landscape Through IC Design Innovation

In the rapidly evolving landscape of global technology, Malaysia is steadily establishing itself as a significant player in the semiconductor and microelectronics sectors. The Analog, Digital and RF Research Group (UMIC Group) at Universiti Malaya is emerging as a national trailblazer in microelectronics integrated circuit (IC) design, assuming a key role in Malaysia's ambitions to grow its high-value semiconductor sector. Founded in 2010 and led by globally recognised expert Professor Ir. Dr. Harikrishnan Ramiah, UMIC Group is contributing meaningfully to the advancement of IC design innovation, talent development, and academic-industry collaboration—key pillars identified under the Twelfth Malaysia Plan (12MP) and the National Semiconductor Strategy (NSS).

From its base at Universiti Malaya, UMIC Group has built a strong reputation as a centre of excellence, achieving four international patents, 32 intellectual properties, and multiple publications in prestigious Institute of Electrical and Electronics Engineers (IEEE) Transactions journals. Its pioneering work in System-on-Chip (SoC) integration has gained traction not only among global mobile technology players but also among local small and medium enterprises (SMEs) seeking to enhance their R&D capabilities.

Breakthroughs in Radio Frequency (RF) Energy Harvesting Technology

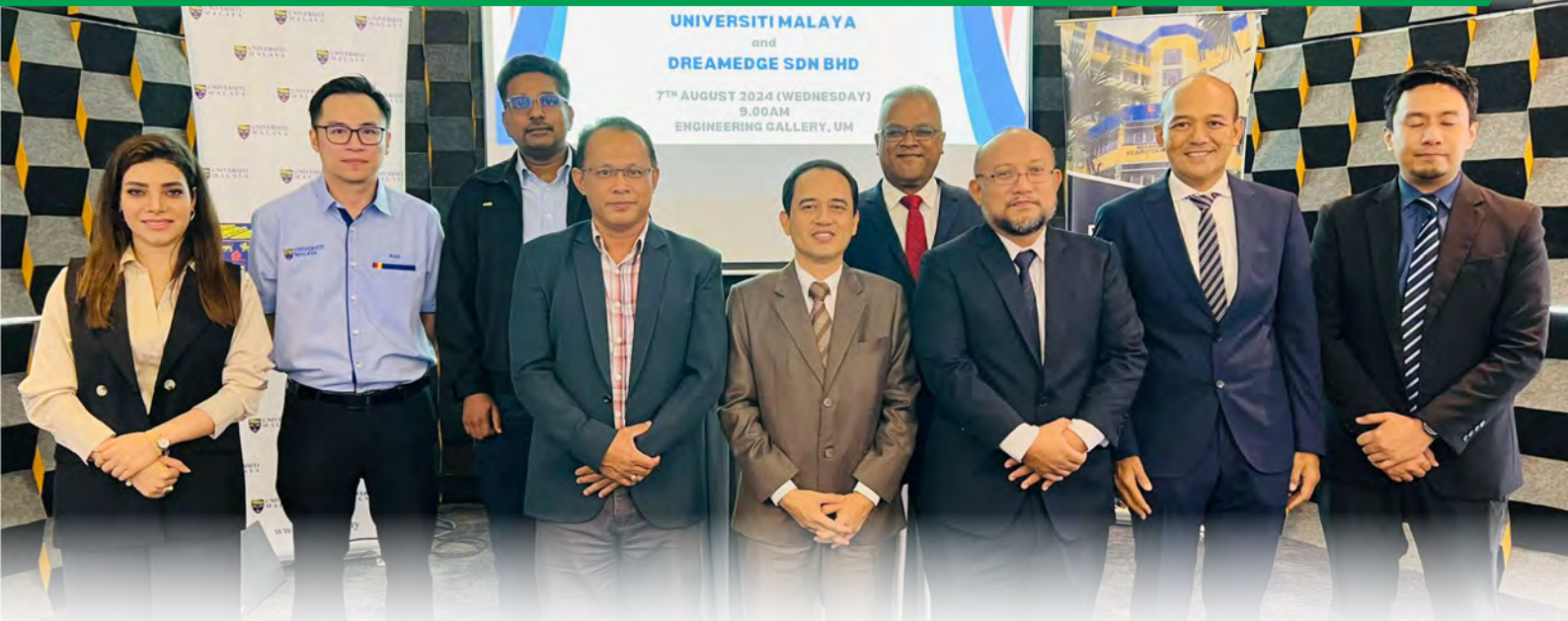
One of UMIC Group's most impactful innovations is its development of a high-efficiency Integrated RF Energy Harvesting System. Created in

collaboration with Infinecs Systems Sdn. Bhd., Universiti Malaya, Asia Pacific University of Technology and Innovation and the Collaborative Research in Engineering, Science and Technology (CREST), the system captures ambient radio frequency energy and converts it into usable electrical power for Internet-of-Things (IoT) devices, representing a significant advancement in sustainable energy solutions. The sustainable energy solution has achieved Industrial Readiness Level (IRL) 7, demonstrating its commercial viability.

Designed to operate across multiple frequency bands and variable signal strengths, the system is already in use internationally, deployed in Türkiye's agricultural sector for remote monitoring. The research team overcame significant technical challenges to achieve this, marking a major step forward in energy-efficient IoT applications and underscoring Malaysia's growing capabilities in deep-tech R&D.

Recognition and Industry Impact

UMIC Group's success is underpinned by strong partnerships with both local and international industry players. These include collaborations with Infinecs Systems Sdn. Bhd., Motorola Solutions Foundation, Western Digital, OSRAM, Nexperia R&D, and LSF Technology, as well as support from Government ministries and agencies like MITI and CREST. These efforts have resulted in over RM7 million in research grants to date.



The group's work was recognised with the prestigious **Top-in-Tech Award for Most Impactful Academia-Industry Collaboration (R&D) in 2024**, a clear testament to its real-world impact. By aligning its research outcomes with industrial needs, UMIC Group ensures that innovation translates into meaningful contributions to business growth and national economic development.

UMIC Group's efforts align closely with national strategies to strengthen ties between universities and the private sector. In May 2025, MIDA reinforced this commitment through a visit to Universiti Malaya, led by Deputy CEO (Investment Promotion and Facilitation) Mr. Sivasuriyamorthy Sundara Raja. The session spotlighted UM's cutting-edge research facilities and underscored its role in Malaysia's high-tech value chain, reaffirming MIDA's support for academic institutions like UMIC Group in driving innovation, talent development, and industry-readiness.

Nurturing Malaysia's Semiconductor Talent Pipeline

In line with national goals to strengthen the domestic talent pool, UMIC Group places strong emphasis on human capital development. The group has produced **15 PhD and 14 Master's graduates**, with several more currently in training. These researchers are not only contributing to high-impact projects locally but are also gaining international exposure through UMIC Group's global academic network, which includes partnerships with institutions such as the **University of Macau** in Macau, China, **Tsinghua University** in Beijing, China, and the **University of Izmir Katip Celebi** in Türkiye.

UMIC Group also maintains active collaboration with Asia Pacific University of Technology & Innovation (APU) in analog IC design, promoting knowledge exchange and joint research initiatives to further deepen Malaysia's semiconductor expertise.





Pushing the Boundaries of Innovation

Looking ahead, UMIC Group continues to explore new frontiers in IC design. Ongoing projects include the development of 5G-enabled IoT sensors, biomedical wearables, and AI-enhanced industrial automation solutions, all of which are aligned with Malaysia's Industry4WRD initiative and the NSS.

With several grants secured for low-power circuit design and system integration, UMIC Group is working to expand the applications of its RF Energy Harvesting System, targeting next-generation wireless sensor networks and advanced wearable technologies. These innovations promise not only to elevate Malaysia's semiconductor capabilities but also to offer sustainable, locally driven solutions to global challenges.



At UMIC Group, our mission is to ensure Malaysia becomes a key contributor in the global IC design value chain, says Prof. Harikrishnan. //



Through strong industry engagement and talent development, we're helping shape the future of Malaysia's semiconductor ecosystem. //

DCN DATA CENTRE NEXUS

POWERING DIGITAL GROWTH CONNECTING INDUSTRIES

A flagship



PARTNERS

CBC



MIDA Powers Up Malaysia's Digital Future at Data Centre Nexus 2025

MIDA successfully hosted Data Centre Nexus 2025 on 8 May 2025, bringing together over 400 industry leaders, investors, and policymakers to position Malaysia as a regional powerhouse in the digital economy.

Officiated by YB Liew Chin Tong, Deputy Minister of MITI, the event focused on driving strategic collaboration, cloud adoption, and local supply chain development. YB Liew outlined three (3) priorities for the sector: leading the energy transition, building a "Build-by-Malaysia" ecosystem, and creating skilled digital jobs.

Key Highlights

- RM278 billion in approved digital investments (2021–2024)
- RM184.7 billion from data centre and cloud-related projects
- Market projected to grow from USD4.04B (2024) to USD13.57B (2030)
- Accelerated 22.38% CAGR, driven by cloud, AI, and hyperscale demand

Industry leaders from AWS, Google, PDG, and YTL Data Centres joined in seven expert panels covering:

- AI and hyperscale infrastructure
- ESG-led development and green power
- Cloud migration and digital workforce readiness

Malaysian firms like Gamuda Engineering, Dunham-Bush, and Maytech also showcased how local innovation is rising to meet global standards.

A dedicated business matching session connected 8 international operators with 18 Malaysian companies, seeding potential partnerships and reinforcing Malaysia's commitment to integrating local firms into global value chains.

The event underscored Malaysia's readiness to lead the digital future. With support from the Digital Investment Office (DIO), a joint initiative between MIDA and MDEC — the country is well-positioned to attract quality investments while nurturing a robust, localised ecosystem.



EVENT HIGHLIGHTS



Malaysia Showcases Semiconductor Strength at SEMICON SEA 2025

From 20 to 22 May 2025, Malaysia reaffirmed its global semiconductor leadership at the 30th SEMICON Southeast Asia (SEA), held at the Sands Expo & Convention Centre, Singapore. Organised under the theme “Stronger Together – Collaborating to Navigate Uncertainties and Fostering Resilience”, the event attracted key stakeholders across the global value chain.

At the Malaysia Pavilion, hosted by MIDA in collaboration with MATRADE, two flagship programmes were launched:

- The **Supply Chain Programme**, featuring the Minister of MITI and representatives from Micron, ASML, and Ferrotec, highlighted Malaysia’s rising role in regional semiconductor supply networks.
- The **Handshake Session**, a closed-door platform, facilitated high-level engagements between international industry leaders and MIDA to explore strategic investments.



In parallel, the Trade and Investment Mission (TIM) to Singapore secured interests from companies such as Racks Central, NTUC FairPrice Group, and GP Battery, especially in data centres and battery manufacturing.

These efforts align with Malaysia’s National Semiconductor Strategy (NSS) to strengthen its end-to-end capabilities, from design to advanced packaging, reaffirming its status as a preferred destination for high-tech investments in Asia.



EVENT HIGHLIGHTS



Langkawi International Maritime and Aerospace Exhibition 2025 (LIMA'25)

MIDA is proud to participate in LIMA 2025 from 20 to 24 May 2025, one of the region's most prestigious maritime and aerospace exhibition, alongside MITI and its key agencies. This year's exhibition was officially launched by the Malaysian Prime Minister, YAB Dato' Seri Anwar Ibrahim, and featured the highly anticipated air show, which captivated audiences with spectacular aerobatic displays that demonstrated the capacity and innovation of the global aerospace industry.

MIDA was honoured by the visit of YB Liew Chin Tong, Deputy Minister of MITI, to the MITI Pavilion, which served as a central showcase of Malaysia's growing aerospace and shipbuilding and ship repair (SBSR) ecosystem. As part of its involvement, MIDA organised two key programmes: **High-Tea Networking Session with Aerospace Industry Captains**, which brought together leading stakeholders to explore investment opportunities, and the **SBSR Forum**,

co-hosted with MIGHT, which focused on fostering innovation and sustainable growth in the maritime sector.



LIMA 2025 served as a valuable platform to engage global players, strengthen strategic partnerships, and promote Malaysia as a competitive hub in these high-value industries. MIDA reaffirms its commitment to advancing quality investments and supporting national industrial aspirations.



EVENT HIGHLIGHTS



MIDA & UNGCMYB Forge Sustainable Investment Future

On 30 May 2025, MIDA signed a strategic Memorandum of Understanding (MoU) with the UN Global Compact Network Malaysia & Brunei (UNGCMYB), reinforcing Malaysia's commitment to sustainable and responsible investment.

This partnership aims to accelerate the adoption of Environmental, Social, and Governance (ESG) principles across the business ecosystem, supporting Malaysia's Net Zero 2050 ambitions and the Green Investment Strategy.

Datuk Sikh Shamsul Ibrahim Sikh Abdul Majid, CEO of MIDA, emphasised that sustainability is

key to future-ready investments, while Mr. Faroze Nadar, Executive Director of UNGCMYB, noted the MoU's potential to drive meaningful ESG integration beyond awareness.

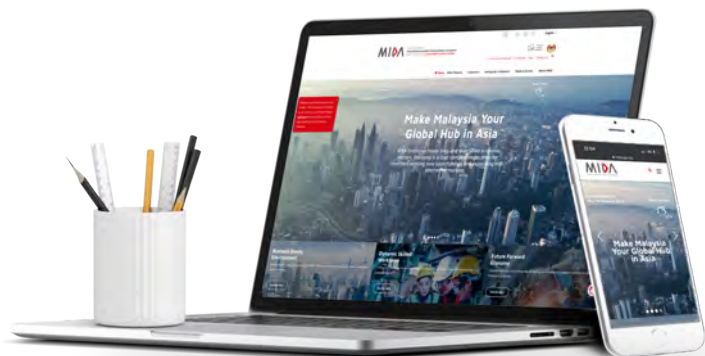
Joint initiatives will include conferences, training, and policy engagement, starting with UNGCMYB's **Forward Faster Symposium 2025**, held on 5 June 2025 at MIDA headquarters, with MIDA as a strategic partner. This collaboration strengthens MIDA's role in leading sustainable investment promotion, positioning Malaysia as a competitive, responsible, and forward-looking investment destination.



Advertise With Us

Get Your Business Noticed

OUR COMMUNICATION TOOLS



MIDA WEBSITE

With more than 60,000 average visits per month, our website provides useful and relevant information, serving as a reference for potential investors in doing business in Malaysia.

E-NEWSLETTER

With more than 40,000 registered subscribers and growing, our monthly English e-Newsletter contains the latest industry and services updates, as well as activities held throughout the month.



DIGITAL SIGNAGES

Our digital signages are situated within our HQ building. Located in the heart of Kuala Lumpur, MIDA's headquarters sees hundreds of visitors through its lobby every day.

Location

1. MIDA Lobby, Ground Floor
2. Business Information Centre (BIC), Level 2
3. Perdana Hall, Level 10
4. Corporate Reception Floor, Level 18



Refer next page for the price >>>

Advertisement

Package

BRONZE PACKAGE

E-NEWSLETTER

- » Full page: RM8,000 per issue
- » Half page: RM6,000 per issue
- » Quarter page: RM3,500 per issue

MIDA WEBSITE

- » Homepage: RM1,500 per week

DIGITAL SIGNAGES

- » LCD TV: RM3,000 per month

ADD-ONS

- » Editorial only: from RM500
- » Artwork resizing: from RM500

SILVER PACKAGE

Branded Content to be published in Invest Malaysia e-Newsletter, and amplified on MIDA digital platforms:

- » 1 Full Page Full Colour (Advertorial/Editorial) x 1 insertion (estimated between 250-300 words; content brief to be provided by client)
- » An exclusive landing page in MIDA website for the advertorial/editorial
- » Advertisement on MIDA digital signages - MIDA Sentral

Traffic drivers to the article:

- » Ads web banner on MIDA Website Home Page (4 weeks)
- » 2 x Postings on Facebook, X, LinkedIn, Instagram

RM18,000

Duration: 4 weeks

GOLD PACKAGE

Branded Content to be published in Invest Malaysia e-Newsletter, and MIDA digital platforms:

- » 2 Full Page Full Colour (Advertorial/Editorial) x 1 Insertion (estimated between 500-600 words; content brief to be provided by client)
- » An exclusive landing page in MIDA website for the advertorial/ editorial
- » Advertisement on MIDA digital signages - MIDA Sentral

Traffic drivers to the articles:

- » Ads web banner on MIDA Website Home Page (4 weeks)
- » 4 x Postings on Facebook, X, LinkedIn, Instagram

RM24,000

Duration: 4 weeks

PLATINUM PACKAGE

Branded Content to be published in Invest Malaysia e-Newsletter, and MIDA digital platforms:

- » 2 Full Page Full Colour (Advertorial/Editorial) x 2 Insertion (estimated between 500-600 words; content brief to be provided by client)
- » An exclusive landing page in MIDA website for the advertorial/ editorial
- » Advertisement on MIDA digital signages - MIDA Sentral

Traffic drivers to the articles:

- » Ads web banner on MIDA Website Home Page (8 weeks)
- » 8 x Postings on Facebook, X, LinkedIn, Instagram

RM42,000

Duration: 8 weeks

Please contact us for more information

ads@mida.gov.my

Advertise With Us

Get Your Business Noticed

HALL

HALL TYPES		GOVERNMENT	PRIVATE
PERDANA HALL (230 PAX)	Inclusive of: •VIP Holding Room •PC Room •Basic AV System	RM6,500	RM7,800
BANQUET HALL (230 PAX)	Inclusive of: •Basic AV System	RM3,900	RM4,600
PERDANA + BANQUET HALL	Inclusive of: •VIP Holding Room •PC Room •Basic AV System	RM9,800	RM11,700

F&B PACKAGES		GOVERNMENT	PRIVATE
A	Inclusive of: •Refreshment •Tea Break •Lunch •Hi-Tea	From RM130 / Pax	
B	Inclusive of: •Refreshment •Tea Break •Lunch	From RM110 / Pax	
C	Inclusive of: •Refreshment •Tea Break/Hi-Tea	From RM70 / Pax	

PRIVATE MEETING ROOM

ROOM TYPES		GOVERNMENT	PRIVATE
BOARD ROOM (30 PAX)	Inclusive of: •VIP Holding Room •VIP Lounge •AV System	RM2,600	RM3,300
USA ROOM (25 PAX)	Inclusive of: •Basic AV System	RM1,950	RM2,450
JAPAN ROOM (50PAX)	Inclusive of: •Basic AV System	RM1,950	RM2,450

F&B PACKAGES		GOVERNMENT	PRIVATE
A	Inclusive of: •Refreshment •Tea Break •Lunch •Hi-Tea	From RM130 / Pax	
B	Inclusive of: •Refreshment •Tea Break •Lunch	From RM110 / Pax	
C	Inclusive of: •Refreshment •Tea Break/Hi-Tea	From RM70 / Pax	

TRAINING ROOM

ROOM TYPES		GOVERNMENT	PRIVATE
SIGMA \ GAMMA ROOM (40PAX)	Inclusive of: •Basic AV System •1 Flipchart •2 Mahjong Paper •2 Marker Pens	RM1,150	RM1,250
F&B PACKAGES		GOVERNMENT	PRIVATE
Inclusive of: •Refreshment •Lunch •Tea Break		RM80 / Pax	

*All rates are exclusive of :

- GST (0%)
Service Staff, linen,
dome, logistic (RM300)

*F&B by MIDA's panel caterers

VISIT US NOW



MIDA Sentral, No. 5, Jalan Stesen Sentral 5
KL Sentral, 50470 Kuala Lumpur, Malaysia



Tel : +603 2267 3633



www.mida.gov.my

About MIDA

MIDA is the Government's principal investment promotion and development agency under the Ministry of Investment, Trade and Industry (MITI) to oversee and drive investments into the manufacturing and services sectors in Malaysia. Starting operations in 1967 with a relatively small set up of 37 staff, MIDA has grown to become a strong and dynamic organisation of over 700 employees. Headquartered in Kuala Lumpur Sentral, MIDA today has 12 regional and 21 overseas offices. MIDA continues to be the strategic partner to businesses in seizing the opportunities arising from the technology revolution of this era. For more information, please visit www.mida.gov.my and follow us on X, Instagram and Facebook, LinkedIn, TikTok and YouTube channel.

MIDA, your first point of contact for Investments In Malaysia.

Malaysian Investment Development Authority

MIDA Sentral

No. 5, Jalan Stesen Sentral 5

KL Sentral

50470 Kuala Lumpur

Tel: +603 2267 3633

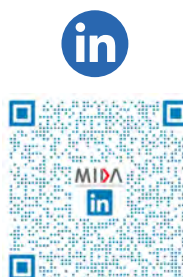
Fax: +603 2274 7970

E-mail: investment@mida.gov.my

Website: www.mida.gov.my

Tell us what you think of our newsletter. Your feedback will help us improve our services to you.

This email was automatically generated for you, please do not reply. You're receiving this newsletter because your email is registered with the MIDA website at www.mida.gov.my. Please add info@mida.gov.my to your address book so that our emails get to your inbox.

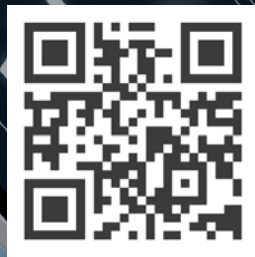


SCAN TO CONNECT WITH US



www.mida.gov.my

MIDA
MALAYSIAN INVESTMENT DEVELOPMENT AUTHORITY



www.mida.gov.my



MIDA Sentral, No. 5, Jalan Stesen Sentral 5, KL Sentral,
50470 Kuala Lumpur, Malaysia
Tel: +603 2267 3633
E-mail: investment@mida.gov.my