

National Applied R&D Centre



MIMOS

RETROSPECTIVE 2019

Boosting industry, amplifying capability

CEO's MESSAGE

CORPORATE GOVERNANCE

HIGHLIGHTS

E&E | Smart Manufacturing | Product Development | Environmental Technology

BUILDING COMPETITIVE EDGE

IP / Patents Statistics | Engineers Trained

EVENTS

First Quarter | Second Quarter | Third Quarter | Fourth Quarter

VISITS

Government | Industry | Academia | Foreign | Others

PART AND PARCEL



Boosting industry, amplifying capability

As Malaysia joins the world in embracing Industry 4.0, MIMOS continues to support the Government in bringing the future closer to our imagination.

We work together with Government ministries, agencies and Government-linked organisations, non-governmental organisations, private companies, universities and research institutes to incorporate data science, analytics and digital intelligence in products, services and departments – such as for providing better travel experience, insights for the capital market, environment monitoring, tracking of product performance and energy utilisation in manufacturing; and promoting sustainable practices in farming.

And as opportunities for high technology adoption expand across critical sectors, our people work with industry, universities and training institutes in nurturing talents and equipping organisations with future-ready workforce.



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CEO's MESSAGE

Remaining relevant to the national innovation agenda



We delivered a total of RM63.52 mln worth of technology monetisation through the implementation of high-impact projects and provision of technological services.



I am pleased to share the highlights of our continued commitment and the impact of our R&D programme throughout 2019.

In 2019, MIMOS Group recorded a Group revenue and profit margin of RM138.9 mil and RM17.0 mil respectively. At the same time, despite a lower operating grant allocation of 10.5 mil compared to 2018, we managed to meet a lower Group loss before tax of RM6.3 mil against a target loss before tax of RM12.6 mil.

We delivered a total of RM63.52 mil worth of technology monetisation through the implementation of high-impact projects and provision of technological services.

We continued our initiatives in supporting industry development, expanding the applications of Industry

4.0 technologies, for example Artificial Intelligence and Data Science across more knowledge-intensive sectors such as aviation and financial services.

Collaborations and partnerships with Government agencies, universities and industry big and small, some of which are listed in this publication, are signs and testimonies that MIMOS in 2019 has continued to remain relevant to the national digital technology and innovation aspirations.

Continuing our endeavours in strengthening the Electrical and Electronics (E&E) and Manufacturing sector, we provided more than 1,300 analytical and design services to various companies, organisations and research communities.



We implemented a well-received capacity and capability building programme through MIMOS' own package as well as in collaboration with industry and academia. In the process, we trained more than 1,400 participants in advanced skills in Semiconductor Wafer Fabrication processes, Failure and Material Analysis, Design Thinking Methodology and Internet of Things applications.

Perhaps it is justifiable for me to call out again that MIMOS is the only local

agency that has full Semiconductor Value Chain capabilities and facilities that meet international manufacturing standards to offer advanced skills training, not only for university students and lecturers but also for industry practitioners.

2019 also saw MIMOS actively engaging in key strategies of the E&E Productivity Nexus in increasing value-added activities for the sector, together with other agencies, by providing supports in MIDA Post-School Finishing Program (PSF) for IC Design, MIDA Structured Industry Apprenticeship Programme (SIAP) for IC Design and Embedded Systems and Mechanical Design capabilities with industries.

Despite funding constraints, we actively continued our Intellectual Property activities in technology platforms and solutions. Fifty-seven patents were filed, while a total of 44 IPs were commercialised.

Prioritisation, focus and collaboration have been key elements in our success in 2019. Although we acknowledge that MIMOS cannot attempt to do everything, we always keep our focus on future-proofing Malaysia and driving advanced technologies for high-potential sectors, true to the National Industry 4.0 Policy and objectives of the country's development plans.

I would like to express my utmost gratitude to the Finance Ministry and MITI for their continued trust, confidence and unparalleled support.

Ultimately, my heartfelt thanks go to everyone at MIMOS for their undying commitment and hard work in 2019. We face a promising year of 2020 – a year of many aspirations, positive vibes and potentially greater challenges. With our continued excellence and the solid support behind us, I am confident we will sail through.

Emelia Matrahah

Interim President and Chief Executive Officer
MIMOS Berhad

CORPORATE GOVERNANCE



Risk Management

MIMOS is committed to ensuring that the Organisation has an effective risk management process to identify, evaluate and effectively deal with risks faced by the Organisation. This commitment is driven by the Board of Directors through Audit and the Risk Management Committee.

The Risk Management Committee, comprising Senior Management personnel, serves as a platform for the Organisation to assist the Management in identifying principal risks of the Organisation and providing assurance on effective implementation of risk management on an Organisation-wide basis.

Our challenge is to apply risk management to all parts of our business to ensure risks are minimised while enhancing business opportunities.

Health, Safety and Environment

MIMOS is committed to ensuring a safe and healthy working environment to all employees, contractors, visitors; and other parties involved in or affected by its operation, taking into account statutory requirements as well as relevant national and international standards and codes of practices. The Organisation believes its employees have the right to a safe working environment and will do everything it can to prevent any accident or incident at the workplace.

The Safety, Health and Environment Policy had been established as the Organisation's commitment to maintaining an environment conducive to working, and ensuring that the environment is conserved. Adhering to this policy, MIMOS ensures compliance with all relevant statutory laws and regulations in Malaysia, including the

Department of Occupational Safety and Health, the Department of Environment, Atomic Energy Licensing, Energy Commission and other local authorities such as the Fire and Rescue Department.



HIGHLIGHTS

2019 was all about empowering and supporting the industry and SMEs through the implementation of smart manufacturing. It was also a year of developing novel technology solutions to meet strategic national needs which include environmental sustainability.



E&E

Facilitating E&E businesses through strategic ecosystem support

In 2019, MIMOS provided 1,360 analytical and design services to various companies, organisations and research communities dealing in Semiconductor, Microelectronics Systems and IC Design. The services have enabled the organisations to improve their performance cycle time and production quality; and reduce downtime associated with manufacturing and design defects.

Throughout the year, MIMOS has provided advanced skills training in Semiconductor Wafer Fabrication processes, Failure and Material Analysis, Design Thinking Methodology and Internet of Things technologies to a total of 1,426 participants. MIMOS is the only

local agency that has full Semiconductor Value Chain capabilities and state-of-the-art facilities that meet international manufacturing standards to offer and support advanced skills training, not only for university students and faculty but also industry players.

Additionally, 11 local technical training institutions have benefitted from the MIMOS 3D and Additive Manufacturing Training Syllabus transferred to them. The institutions had undergone a training programme at MIMOS aimed at enhancing their content and delivery so that more students can benefit from this new Industry 4.0 skills set.

2019 also saw MIMOS actively engaging in the E&E Productivity Nexus key strategies in increasing value-added activities for the sector, together with other agencies, by providing supports in MIDA Post School Finishing Program (PSF) for IC Design, MIDA Structured Industry Apprenticeship Programme (SIAP) for IC Design and Embedded Systems and Mechanical Design capabilities with industries

Enabling next generation electronics

Continuing its tradition, in 2019 MIMOS assisted Malaysian industry to move up the E&E value chain through its wide-ranging capabilities in Industry 4.0 technologies. MIMOS has the required facilities and expertise to design ICs from specifications to production. The services, facilities and resources provided represent MITI's commitment in strengthening E&E sector and Malaysia's economic growth. We also extend our R&D services through collaboration with industry and related government bodies.

MIMOS has maintained its position as a preferred industry and academia partner for R&D in advanced materials by developing and sustaining a comprehensive ecosystem. In 2019, MIMOS continued to explore new applications of electronics e.g. flexible electronics, wearable healthcare products for better performance and more environmental sustainability.



SMART MANUFACTURING

Connectivity and information exchange among all components are key to smart manufacturing. MIMOS recognises SME's need for a service platform that connects siloed data, consolidate ideas and intelligence, connect smart machines and factories; and empower workers to experience connected automation.

In 2019, MIMOS began the development of a cost-effective, flexible and reliable cloud-based Operational Technology and Information Technology service platform to enable Industry 4.0 technology adoption so that SMEs can continually improve their productivity, product

quality, operation and management processes, and enhance their capabilities.

MIMOS' cloud-based Smart Manufacturing Intelligence Service Platform (SMISP) offers infrastructure-as-a-service, data management, analytics and visualisation, IoT middleware, Augmented Reality toolkits, Artificial Intelligence toolkits and smart manufacturing integration services.

The platform works by managing smart devices and sensors in a simple and standardised manner; and provides cloud-based tools for creating more

smart solutions, services and applications based on users' needs and preferences.

Ultimately, SMISP will help reduce Malaysian SME's barrier to entry to digitisation and increase their global competitiveness.



Biz4WRD

Launched by MITI in October 2019, Biz4WRD is a collaborative Smart Industry Facilitation Platform featuring an ecosystem dashboard for the manufacturing industry. Essentially, the portal connects and matches companies intending to adopt Industry 4.0 technology solutions.

The portal establishes a central repository and creates an ecosystem for businesses to establish their Industry 4.0 offerings and allows businesses seeking solutions to engage one another. It allows users to search, promote, connect and exchange information as well as industry intelligence with businesses across the manufacturing and services industries.

HIGHLIGHTS

PRODUCT DEVELOPMENT

Besides spearheading the technology development and deployment, MIMOS also assists companies and industries in rendering better products and services in line with Industry 4.0.

MIMOS takes pride in its capabilities in industrial design and development (D&D), with its award-winning industrial design studio that emphasises on D&D that span and support new technologies and applications.

The studio provides process-driven results by researching user requirements and needs, which can be tightly integrated across other disciplines. In the design development process, the team also stresses on design language research to create a brand identity and emotion for each product. The studio is supported by state-of-the-art 2D & 3D digital software, complex surface modelling and detailed solid modelling on multiple design packages.



Industry Development Programmes

In 2019, MIMOS held several training programmes to help companies to better understand their problems and guide them on how to improve their product developments. Led by the centre's industrial design specialists, the programmes enabled the next generation of industrial problem-solvers to prepare themselves for new opportunities and inspire the creation of innovative solutions to new challenges.

The Design Thinking- – From Concept to Reality programme saw participants discovering in stages the challenges in re-imagining new solution opportunities.

They also learned how to develop more innovative, robust and user-centric solutions.

With the help of tools such as method templates, participants made use of practical Design Thinking methods at every stage of their problems.

Upon completing the training programme, individuals and organisations were able to initiate a new working culture based on a user-centric approach; characterised by empathy, ideation, modelling and less-stressful experimentation; leading to reduced risks and accelerated learning.

MIMOS believes that when Design Thinking approaches are applied to

business organisations, the success rate for innovation will improve significantly.

Another programme was 3D Printing Technology and Product Design Tech Talk, an initiative to foster Industry 4.0 adoption towards high value-added skillsets development.

The programme was to encourage more companies and entrepreneurs to adopt 3D printing technology that can cater for various industrial applications.

Other training programmes conducted by MIMOS include user experience (UX), user interface (UI) designs methodology and industrial design training for universities.

Award-Winning Innovation

Last year, the public particularly manufacturers and industrial design aficionados were able to catch a glimpse of FI-wheelchair during the Reka Malaysiaku Exhibition at the National Art Gallery in Kuala Lumpur.

Other MIMOS' product designs featured in the exhibition included Goobag, a fully-collapsible luggage suitable for

frequent travellers called GooBag; and T-Raxtor, a compact multi-purpose agricultural vehicle equipped with the latest technology to assist farmers in planting and harvesting crops.

Formula 1(FI) Wheelchair, a collaboration project between Malaysia Design Council; MIMOS Industrial Design Studio; and Industrial and Rehabilitation Training Centre (PLPP), received Gold Medal and Special Award at 2018 International Exhibition of Inventions Geneva.

The red and black coloured FI-inspired wheelchair was designed as part of the corporate social responsibility project for PLPP Bangi. The innovation was showcased at many local and international exhibitions.



ENVIRONMENTAL TECHNOLOGY

Strong partnership is the key to developing effective technology solutions that can be used to tackle major global environmental problems such as pollution, climate change and loss of biodiversity. MIMOS, together with its collaborators, leveraged each other's capabilities to produce innovations that can address the issues of wildlife trade, haze, water pollution and palm oil sustainability.



Anti-poaching solutions

The depleting number of endangered species especially Malayan tigers has prompted World Wildlife Fund Malaysia (WWF-Malaysia) to turn to technologies in combatting poaching activities for illegal commercial trade.

WWF-Malaysia and MIMOS, together with Perak State Parks Corporation have joined forces to set up a technology solution at Royal Belum to curb the smuggling of endangered fauna and flora. Dubbed the WWF Royal Belum Surveillance System, it features floating

barriers and surveillance cameras which have been installed at the entrance of Royal Belum through Tasik Bandedang as monitoring and enforcement measures.



HIGHLIGHTS

There are two types of surveillance videos -- video analytics-powered camera and low resolution camera, each for boat monitoring and live streaming. These cameras are connected to MIMOS' Intelligent Community (iComm) mobile apps, which allows the rangers to monitor the protected areas via mobile phone.

All boats entering and exiting the waters in Royal Belum will have to go through inspection at the ranger check

point, which will be captured by the video analytics system. Boats that elude inspection will trigger sirens and alert the rangers for next course of action.

The surveillance system, consists of both hardware and software components, has a combination of cutting-edge technologies such as artificial intelligence (AI), data analytics, Internet of Things (IoT), solar, as well as edge and cloud computing.

The solutions are expected to alleviate the monitoring process and improve enforcement in Royal Belum in view of the limited manpower, as well as possibly reduce the number of poaching activities.



Early warning system for peat forest fire

MIMOS has teamed up with Universiti Putra Malaysia (UPM) to develop an Internet of Things (IoT)-based early warning system at Raja Musa Forest Reserve in Selangor to prevent incidents of forest fire especially during drought.

Several sensor nodes have been installed at one of the high-risk areas to collect data on surrounding environment and peat condition.

The system monitors surrounding climate and environment by collecting parameters such as air temperature, humidity and pressure; precipitation

intensity, ultra-violet index, radiation illuminance, solar radiation power, wind direction and wind speed.

For peat condition, the sensors for soil temperature and humidity are placed together with an electronic piezometer, which is used to measure peat water level.

A wireless gateway was installed at a nearby lookout tower to collect all data from the multiple sensor nodes in the area. The gateway is connected to the Internet and the data is transmitted to the MIMOS Internet Services of Things (Mi-MIST) platform, a middleware with integrated services that manage smart devices and sensors to enable applications in IoT solutions.

Information on temperature, weather, moisture and water level will be sent to a mobile app, where forest officials can monitor the situation via a dashboard.

For instance, if the dashboard showed that the temperature is too hot and water level dropped drastically, this provides alert for immediate human intervention.

The system allows the researchers and forest management community to analyse the collected microclimate data to further understand the peat swamp forest ecosystem.



Airborne IoT Network

A wireless communication solution using balloons known as Airborne IoT Network (AIN) was developed to monitor water quality at Pahang's Lake Chini.

AIN is a project under Universiti Kebangsaan Malaysia's (UKM) Centre of Advanced Electronic and Communication Engineering, in collaboration with MIMOS and Japan's National Institute Information and Communication Technology (NICT).

The solution can also identify and check for pollutant sources around the area, thus preserving biodiversity and ecosystem of the lake.

AIN uses IoT and machine-to-machine (M2M) communication through a wireless sensor network. MIMOS plays a role in providing cloud server for visualisation and data analytics, while NICT develops network sensors called WiSUN (Wireless Utility Network) and LoRa (Long Range).

The solution is capable of monitoring water quality parameters in rural areas such as pH level, temperature, pressure and depth.

It is expected that the project will benefit the Orang Asli community in Tasik Chini as it provides water quality reports, in which the community regard the lake as their natural habitat and source of food.



Palm oil sustainability platform

MIMOS and Procter & Gamble (P&G) have formed a collaboration to develop sustainable palm oil traceability platform.

The joint pilot project between both parties started in 2017 to create an Oil Palm Data Warehouse and analytics system using homegrown technologies which include big data analytics and blockchain to optimise the efficiency of the industry's data collection process.

The traceability platform facilitates the tracking of private smallholders' interactions with dealers, and enables them to track and trace the movement of fresh fruit bunches produced from the farms.

To date, over a thousand smallholders in Johor have been engaged and enabled to apply the solution.

The system, which establishes connections between P&G palm suppliers to palm oil mills and refineries, enables consumer goods brand leader to identify areas of social and environmental risks along its supply chain. This in turn allows the global fast-moving to plan and monitor follow-up actions for improvement and progress.

The initiative is in line with the government's move to make it mandatory for oil palm growers in the country to obtain Malaysian Sustainable Palm Oil certification, with the aim of assisting growers to eventually attain Roundtable Sustainable Palm Oil certification for assuring international markets of their sustainability.



BUILDING COMPETITIVE EDGE

MIMOS continues to build competitive edge through patent filings, commercialisation, publications in STI journals and conferences; technology transfer, and capacity building through our Advanced Competency Development Framework.



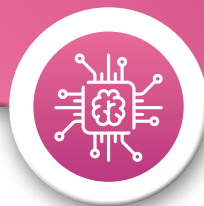
Patents Filed
2127



Commercialised IPs
583



Technology Transferred
16 (2019)



Engineers Trained
5197



EVENTS

One year since the implementation of Industry4WRD: National Policy on Industry 4.0, MIMOS has been aggressively driving and promoting Industry 4.0 technologies through collaborations, conferences, forums and exhibitions. While we were busy supporting the national agenda, we never forgot to acknowledge our MIMOSians who have been the backbones of the company.

FIRST QUARTER

24 Jan 2019



MIMOS signed memorandum of understanding (MoU) with Kedah Industrial Skills and Management Development Centre to promote the application of Industry 4.0 and other relevant components of Fourth Industrial Revolution (4IR) into Technical and Vocational Education Training (TVET). The MoU exchange ceremony was held during the Industry 4.0 Conference: Digitisation Transformation – Opportunities and Challenges’ in Sungai Petani, Kedah.



MIMOS took part in Malaysian Technical and Vocational Education and Training (TVET) Forum 2019 to discuss the importance of TVET. Themed 'Unlocking the Economy through TVET', the event was hosted by Kingsley Strategic Institute, in Kuala Lumpur.

7 Feb 2019



MIMOS extended its agreement with the Royal Malaysian Navy (RMN) to boost the Navy's information and communication technologies capabilities. The three-year MoU was exchanged between RMN chief Admiral Datuk Mohd Reza Mohd Sany and MIMOS by MIMOS Interim CEO Emelia Matrahah.



28 March 2019



MIMOS forged alliances with local defense company System Consultancy Services Sdn Bhd, CyberSecurity Malaysia and National Defense University of Malaysia (UPNM) to develop Malaysia's first crypto security system to protect critical digital information of the Government.

The MoU signing ceremony took place during the Langkawi International Maritime and Aerospace Exhibition 2019 (LIMA '19) at the Mahsuri International Exhibition Center (MIEC).



We established more collaborations with key players in industry and academia, mostly on developing Artificial Intelligence (AI). In June, MIMOS achieved another milestone when it received a prestigious award for its excellence in brand strategy.

SECOND QUARTER

2 April 2019



MIMOS and industry leaders came together at Microsoft Innovation Summit 2019 to discuss innovative solutions and real-world business transformation. Held at Kuala Lumpur Convention Centre, MIMOS Chief Technology Officer Thillai Raj was invited as one of the speakers.

16 April 2019



MIMOS signed MoU with business consultant firm 6Biz to develop AI solutions for accounting companies. The MoU ceremony was held on the sidelines of Value of Digital Transformation Forum.

23 April 2019



MIMOS and Malaysia Airports Holdings Berhad (MAHB) signed a three-year MoU to improve the national airports' predictive maintenance capabilities. The agreement serves a strategic technology-driven commitment in providing technical advisory for the development of MAHB's Unified IoT Technology Platform with Machine Learning capabilities for predictive maintenance for its airports' facilities and systems.

27 April 2019



MIMOS formalised collaboration with UNITAR International University (UNITAR) in Data Scientist Programme aimed at producing a new generation of data scientists. The exchange of the agreement was held on the sidelines of UNITAR CAREnival 2019 at the university's main campus in Petaling Jaya.

7 - 9 May 2019



MIMOS participated in Semicon Southeast Asia at Malaysia International Trade and Exhibition Centre where the agency showcased its technological capabilities and shared facilities in supporting Electrical and Electronic (E&) sectors, manufacturing and related services.

14 May 2019



MIMOS inked Memorandum of Agreement (MoA) with SEGi University in collaborative research in Artificial Intelligence (AI) and related technologies. The partnership also marked the establishment of the SEGi-MIMOS Centre of Excellence in AI where both parties will leverage on each other's expertise.

EVENTS SECOND QUARTER

27 - 31 May 2019



MIMOS held Ramadhan Charity programme as part of its corporate social responsibility (CSR) in the holy month. MIMOS also organised Ketupat Weaving contest for its staff in conjunction with the upcoming Hari Raya.

21 June 2019



1 June 2019



TV3 paid a visit to MIMOS to further understand the agency's expertise in advanced technologies.

MIMOS sealed a deal with leading investment banking and asset management group Affin Hwang Capital to develop a digital analytical platform for the Malaysian capital market. Both have agreed to develop a high-speed, intelligent and automated analytical platform to screen undervalued small and mid-cap stocks, towards accelerating the development of innovative products in the investment banking space.

27 June



Media interview with The Sun Daily



MIMOS received The BrandLaureate BestBrands Award 2018-2019 – The BrandLaureate Strategic Business Partner Award based on its excellence in brand strategy, integrated brand communication, brand performance and brand equity.

MIMOS held its large-scale Hari Raya do to strengthen relationship among staff and stakeholders. We also participated in more conferences and exhibitions to address challenges associated with Industrial Revolution 4.0.

THIRD QUARTER

2 July 2019



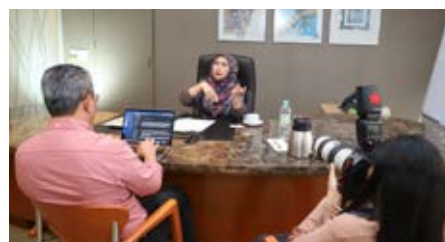
MIMOS hosted Hari Raya Aidilfitri open house for its stakeholders at Kinrara Resort. Themed Semarak Syawal, about 500 guests including partners, clients and vendors turned up for the event with many of them dressed in colourful traditional outfits.

17 July 2019



MIMOS chief technology officer Thillai Raj shared his perspectives on Industrial Revolution 4.0 (IR 4.0) and the importance of embracing advanced technologies in the workforce during the Beyond Paradigm Summit 2019. Held at Malaysia International Trade and Exhibition Centre, the summit was held to address issues surrounding the IR 4.0.

24 July 2019



Interview with New Straits Times

7 September 2019



MIMOS' on-campus kindergarten organised its annual Tadika MIMOS Sports and Family at Berjaya Times Square Park.

12 September 2019



MIMOS showcased its environmental technology solutions during the Ozone Day organised by Department of Environment. Among the technology solutions included Internet of Things-based systems for peat forest management, flora and fauna protection and river quality monitoring.

26 September 2019



MIMOS received SHARE/GUIDE's ICT Award 2019 through its Malaysian Health Data Warehouse (MyHDW) at a ceremony held in Melaka. The award was to recognise MIMOS' contribution in improving government service delivery.

Almost a year after its establishment, Centre of Artificial Intelligence for Future Industry was officially launched, thus galvanising small and medium enterprises (SMEs) in AI adoption. MIMOS later treated its employees to a grand dinner as part of its appreciation for their hard work.

FOURTH QUARTER

5 October 2019



MIMOS participated in World Data Science Forum held at Asia Pacific University of Technology & Innovation in Kuala Lumpur. Keynote speaker was MIMOS' Director Dr Ong Hong Hoe who enlightened the centre's capabilities in data science and industry needs in the 4IR.

9 October 2019



Students, researchers, academics, engineers and industry practitioners took part in National Nanoelectronics Workshop – Towards Industry4WRD organised by MIMOS to keep themselves updated with the development; policies, incentives, focus areas and directions of nanoelectronics research and development.

14 - 16 October 2019



MIMOS was involved in International Conference on Industry 4.0: A Global Revolution in Business, Technology and Productivity to deliberate on the importance and impacts of digital transformation.

Held at SEGi University in Petaling Jaya, the three-day event saw experts from universities and industries exchanging their ideas on addressing new trends and challenges; emerging technologies and progress in Industry 4.0 adoption.

15 - 16 October 2019



It has been a tradition for MIMOS to host Health and Wellness programme to encourage MIMOSians to practice a healthier lifestyle and boost their motivation and productivity. MIMOSians participated in various activities included

health talk, health check-up (free glucose screening, blood pressure test and cholesterol test), insurance advice and blood donation.

19 October 2019



International Trade and Industry Ministry (MITI) hosted its MITI Day at Kota Kinabalu where all agencies under the ministry including MIMOS showcased their roles and capabilities.

30 October 2019



Centre of Artificial Intelligence for Future Industry (CAIFI), a joint effort by MIMOS and Microsoft, was officially launched by International Trade and Industry Minister Datuk Darell Leiking at the Industry4WRD Summit 2019. CAIFI was built to establish AI ecosystem for Malaysian industry to move into Industry 4.0.

EVENTS

FOURTH QUARTER

1 November 2019



MIMOS participated in Kedah Expo Digital 2019 Aman Central, Alor Setar. Officiated by Menteri Besar Kedah, Dato' Seri Mukhriz Mahathir, the three-day programme covered Digital Lifestyle concept such as holograms, 5G Technology, face recognition and e-sports.

4 - 8 November 2019



MIMOS' team of industrial design specialists conducted a five-day "Design Thinking – From Concept to Reality" programme to help companies to better understand their problems, towards developing better products and services in line with Industry 4.0.

5 November 2019



MIMOS chief technology officer Thillai Raj shared his views on industry revolution related to arts at Industry 4.0 Art Revolution Talk Programme organised by National Department for Culture and Arts.

13 November 2019



MIMOS participated in Vendor Innovation Partnership Programme (VIP2) as one of the technical partners. The event enabled anchors and vendors to showcase their products, services and achievements; explore business opportunities; and strengthen networking especially among small and medium-sized enterprises (SMEs) and Bumiputera entrepreneurs.



Media interview with The Star

19 November 2019



Media interview with Bernama Radio

21 November 2019



MIMOS Interim President and Chief Executive Officer Emelia Matrahah presented at MIDA-ITRI Technology Talk and Smart Collaboration 2019, organised by Malaysian Investment Development Authority (MIDA) and Industrial Technology Research Institute of Taiwan (ITRI).

Themed "Accelerating Transformation towards Smart Manufacturing", Emelia said the implementation of smart manufacturing can be accelerated by establishing more collaborations and using the right technologies.

27 November 2019



Industry experts from the government, technology, academia, regulatory, research, security and enterprise fields gathered at MIMOS for the Blockchain -Tsunami of IR4.0 2019 -Giga Tech Disruption of Industries conference.

The conference was to give broader understanding on the true background and implementation of blockchain, and expand knowledge and appreciation of the technology

FOURTH QUARTER

28 November 2019



MIMOS hosted 3D Printing Technology and Product Design Tech Talk to foster Industry 4.0 adoption towards high value-added skillsets development.

Participants were guided the ways to build a scalable 3D printer that can cater for large-size components and the various industrial applications and processes to enhance robustness.

3 December 2019



MIMOS and consumer goods giant P&G marked their successful completion of a pilot project on traceability of sustainable palm oil. The partnership between MIMOS and P&G dates back in 2017 when both agreed to work on Oil Palm Data Warehouse and analytics system using locally-developed Big Data Analytics and Blockchain technology to optimise the efficiency of data collection process by industry.



29 November 2019



MIMOS held its Appreciation Dinner 2019 to honour and recognise its staff for their hardwork, dedication and commitment in contributing for the company as well as for the nation. Themed 'Movie Stars', MIMOSians were dressed in vibrant costumes depicting movie characters from various genres.



VISITS

We continued to welcome more visitors, mostly from industry and academia - both local and international - to strengthen the synergy towards enriching innovation and business network.

GOVERNMENT



8 Jan
Ministry of Education – Science,
Technology, Engineering and Mathematics



15 Feb
MITI – Finance Division



19 Mar
Home Ministry



17 Jan
MITI, SIRIM & Malaysia Automotive,
Robotics and IoT Institute



26 Feb
Ministry of Communications and
Multimedia Secretary-General Dato Dr
Mohd Ali Mohamad Nor



12 Apr
Ministry of Tourism, Arts and Culture
Secretary-General Datuk Isham Ishak



13 Feb
Immigration Department



13 Mar
MITI – Sectorial Policy



18 Apr
MITI Deputy Minister Dr Ong Kian Ming
Shah Alam City Council

VISITS GOVERNMENT



2 Apr
Majlis Amanah Rakyat



5 July
MEA Bumiputera Agenda Steering Unit
(Teraju)



7 Oct
Home Ministry's Information Technology
Management Division Secretary, Yaacob
Yusof



29 Apr
Polytechnic and Community College
Education Department



11 Sep
Ministry of Finance (Inc)



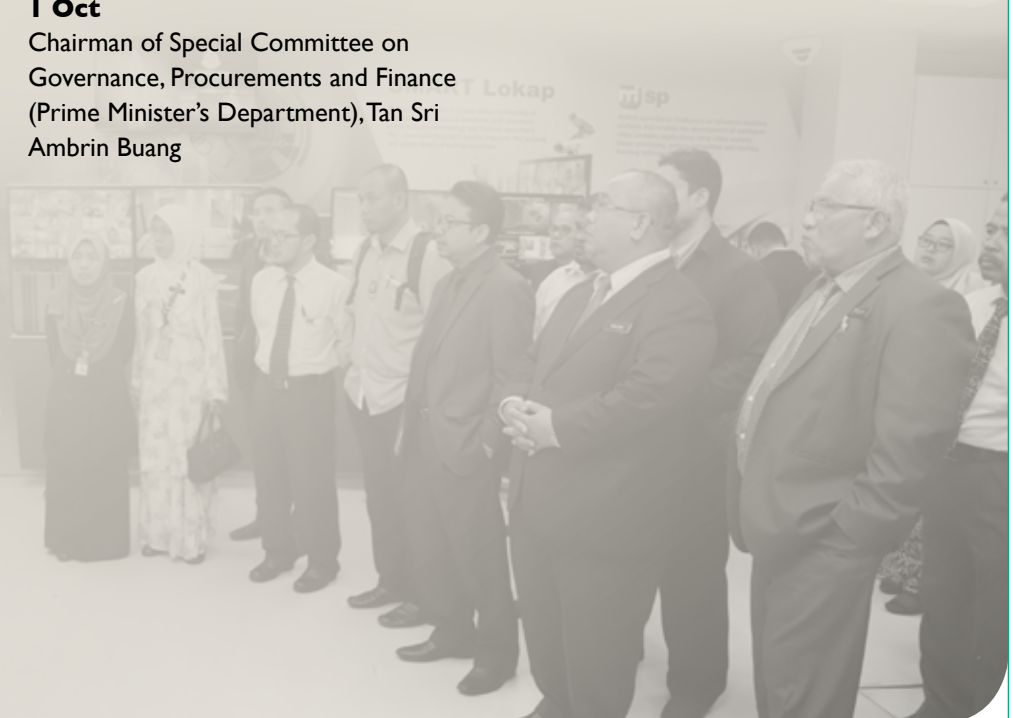
23 Oct
Chief Secretary to the Government, Tan
Sri Dr. Ismail Bakar



3 May
Selangor Exco YB Tuan Hee Loy Sian



1 Oct
Chairman of Special Committee on
Governance, Procurements and Finance
(Prime Minister's Department), Tan Sri
Ambrin Buang



VISITS INDUSTRY



16 Jan
Felcra berhad



13 Feb
Data Path



21 Feb
KPJ Healthcare



23 Jan
Data Micron



15 Feb
Affin Hwang



26 Feb
CIMB Group Consumer Banking CEO,
Samir Gupta



31 Jan
Sime Darby



20 Feb
Innovation Associates Consulting Sdn
Bhd



28 Feb
E-Lock Corporation Sdn Bhd



31 Jan
Warisan Data Holdings



21 Feb
MRCB-George Kent



8 March
Panasonic Malaysia

VISITS INDUSTRY



13 March
Tech Side Asia



25 March
Huawei



10 Apr
SS Systems Sdn Bhd



8 March
Dell Country Manager K.T Ong



28 March
TDA Rail



11 Apr
Bestinet Sdn Bhd



20 March
Silverlake Innovation Partners



2 Apr
Telekom Malaysia (Analytic Team)



24 Apr
Sapura Energy



22 March
Mc Donald's Malaysia



9 Apr
ST Microelectronic Muar



14 May
Astro

VISITS INDUSTRY



11 June

BookDoc Chief Executive Officer Dato' Chevy Beh



1 Aug

Silver Tech Global Sdn Bhd



4 Sep

NTT Data (M) Sdn Bhd



20 June

Willowglen (M) Sdn Bhd



23 Aug

Malaysian Global Innovation & Creativity Centre (MaGIC) CEO Dzuleira Abu Bakar



5 Sep

World Bank



5 July

Sundous IT Solution Sdn Bhd



28 Aug

Elsa Energy Sdn Bhd



11 Sep

iPay88 Sdn Bhd



31 July

E-Migratech Sdn Bhd



29 Aug

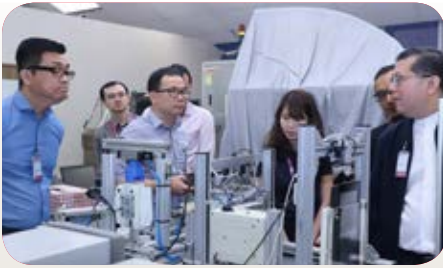
Dagang NeXchange Berhad(DNEX)



19 Sep

Sarawak Information System

VISITS INDUSTRY



4 Oct
Gintell Malaysia



4 Nov
S5 Systems Sdn Bhd



5 Dec
FOMEMA Chairman Tengku Abu Bakar
Ahmad Bin Almarhum Tengku Tan Sri
Abdullah



10 Oct
Medivest Sdn Bhd



7 Nov
Asian and Pacific Centre for Transfer of
Technology



11 Dec
IRIS Corporation President & Group
Managing Director Dato' Paul Poh Yang
Hong



16 Oct
Technology Park Malaysia Chief
Executive Officer Che Akhma Ismail



11 Nov
Malaysia Digital Economy Corporation
and Industry Partners



25 Oct
Mutiara Smart Sdn Bhd



26 Nov
IRIS Corporation



VISITS

ACADEMIA (LOCAL & INTERNATIONAL)



24 Jan
National Youth Skills Institute



18 Apr & 29 May
Universiti Sains Islam Malaysia



14 May & 10 Oct
Universiti Tun Hussein Onn Malaysia



20 Feb
Mehran University



23 Apr
Kolej Komuniti Temerloh



23 May
Malaysia Institute for Supply Chain Innovation



28 Feb
Universiti Pendidikan Sultan Idris
– Information and Communication
Technology Centre



23 Apr & 29 Aug
Universiti Kuala Lumpur (UniKL)



24 May
Universiti Kebangsaan Malaysia



17 Apr
University of West England and Taylor
University



25 Apr
Management Science University



28 May
INTI College

ACADEMIA (LOCAL & INTERNATIONAL)



20 June, 23 July & 8 Aug
Universiti Malaya (UM)



21 Aug
Politeknik Caltex Riau, Indonesia



17 Sep
Multimedia University



26 June
Kolej Vokasional Juaseh



26 Aug
Princess Nourah Bint Abdul Rahman
University, Saudi Arabia



3 Oct
Kolej Kemahiran Tinggi Mara



9 Aug
First City University



29 Aug & 12 Nov
Universiti Teknologi Mara (UiTM)



7 Oct
Universiti Malaysia Perlis



16 Aug
Guilin University of Electronic
Technology, China



12 Sep
SEGi College



9 Oct
National Youth Skills Institute Pagoh,
Johor

VISITS FOREIGN



29 Jan
Sri Lankan delegates



28 June
Ambassador of Peru in Malaysia H.E.
Guido Loayza



17 Oct
Kenyan delegates



27 Feb
Centres of Excellence in Science &
Applied Technologies, Pakistan



22 July
Delegations from India



6 Nov
Ministry of Higher Education, Sultanate
of Oman



7 March
Minister Of Digital Infrastructure and
Information Technology, Republic of Sri
Lanka, Hon. Ajith P. Perera



3 Oct
Sri Lankan Delegates – organised by
Malaysian Institute of Management



14 Nov
Embassy of People's Republic of China In
Malaysia's First Secretary (Science), Dr.
Cao Jianru



14 March
Ambassador of The Sultanate of Oman
H.E. Al Abbas Ibrahim Hamed Al Harthi



11 Oct
IHI Asia Pacific and Ota City Municipal,
Japan

VISITS OTHERS



3 Jan

Teleprimary Care and Oral Health
Clinical Information System delegates



24 Apr

Delegates from International Smart
Manufacturing Uprising Conference



10 Oct

Delegates from National
Nanoelectronics Workshop 2019 –
Towards Industry4wrđ



18 Feb

Institut Kajian Dasar



27 June

Sabah Skills and Technology Centre



3 Dec

Basic Human Needs Association



15 Apr

Kinabalu Coders



PART AND PARCEL



We are forever indebted to our employees who have been working tirelessly over the years to create innovations. We value MIMOSians and their little ones by offering them plethora of activities including health and wellness; sports, social and charitable events, as well as treating them to an appreciation dinner. This is to build an inclusive culture and ensure that they stay motivated, fulfilled and high-spirited.





Innovation for Life™





MIMOS

RETROSPECTIVE 2019

National Applied R&D Centre



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