



66th Annual Dinner

E Awards Might

Saturday, 19 April 2025 Sunway Resort Hotel

ESG: Engineering For A Greener Tomorrow



Submission of placement of articles in **JURUTERA** could be made to the:

Chief Editor **THE INSTITUTION OF ENGINEERS, MALAYSIA (IEM)** Bangunan Ingenieur, Lots 60 & 62, Jalan 52/4, P.O Box 223 (Jalan Sultan), 46720, Petaling Jaya, Selangor Darul Ehsan. Tel: +(603) 7890 0130 Email: pub@iem.org.my Website: http://www.myiem.org.my





Organising Chairman's Message

Dear Esteemed Guests,

Organising an event of this magnitude is no small feat – and as we gather tonight for the 66th IEM Annual Dinner and Awards Night, we are reminded of the legacy, commitment, and resilience of those who came before us. Reaching this 66th year is not just a celebration of time, but of the countless efforts poured in year after year to make IEM what is it today.

To everyone who made tonight possible – thank you. A heartfelt appreciation goes to the dedicated organising committee, made up of our passionate members and eversupportive secretariat team, whose hard work and teamwork have brought this evening to life. To all our table purchasers, generous sponsors, and everyone who stood by us throughout this journey – your support is deeply valued and sincerely appreciated.

To those who serve, and to those who are being served tonight – thank you, from the bottom of my heart.

Please forgive us for any shortcomings throughout the evening.

Selamat Hari Raya Aidilfitri, Maaf Zahir dan Batin.

Warmest regards, Ir. Abdul Razak Yakob 19 April 2025





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IEM President's Message



Dear esteemed guests,

I am truly honoured to contribute a few words to the Souvenir Programme Book for the Institution's 66th Annual Dinner and Awards 2025.

This year, my overarching theme, "ESG: Engineering for a Greener Tomorrow", builds on last year's focus and emphasizes the vital role of engineering and technological innovation in addressing challenges related to Environmental, Social, and Governance (ESG) principles. It highlights the pivotal role engineers and related professionals play in creating sustainable solutions that support global efforts to combat climate change, uphold ethical practices, and enhance societal well-being.

This theme envisions a future where engineers act as proactive agents of change, leveraging their expertise to design solutions that harmonize economic progress with environmental preservation. It underscores the need to integrate ESG principles into engineering education, research, and industry practices, paving the way for a greener, more sustainable tomorrow.

I extend my heartfelt gratitude to all the IEM Past Presidents, IEM Office Bearers, and members for their invaluable guidance, advice, and support.

My deepest appreciation goes to the Organising Chairman, Ir. Abdul Razak Yakob, along with his dedicated Organising Committee and the hardworking secretariat staff, whose tireless efforts have made this event a reality. I hope all our guests enjoy meaningful interactions and connections at this wonderful engineering family gathering.

To every engineer who has contributed to the development and progress of our nation, I salute you. Your expertise, creativity, and steadfast commitment have propelled Malaysia to remarkable achievements, transforming our infrastructure, enhancing connectivity, and improving the quality of life for our citizens.

It is now up to our successors to continue driving engineering excellence. By embracing sustainable practices, prioritizing environmental stewardship, and incorporating green technologies into our designs and construction methods, we can reduce our ecological footprint, preserve natural resources, and ensure a sustainable future for generations to come.

Finally, I sincerely hope that IEM will continue its legacy of progress, upholding the tradition of excellence in our profession, and striving to build a better world while safeguarding resources for future generations.

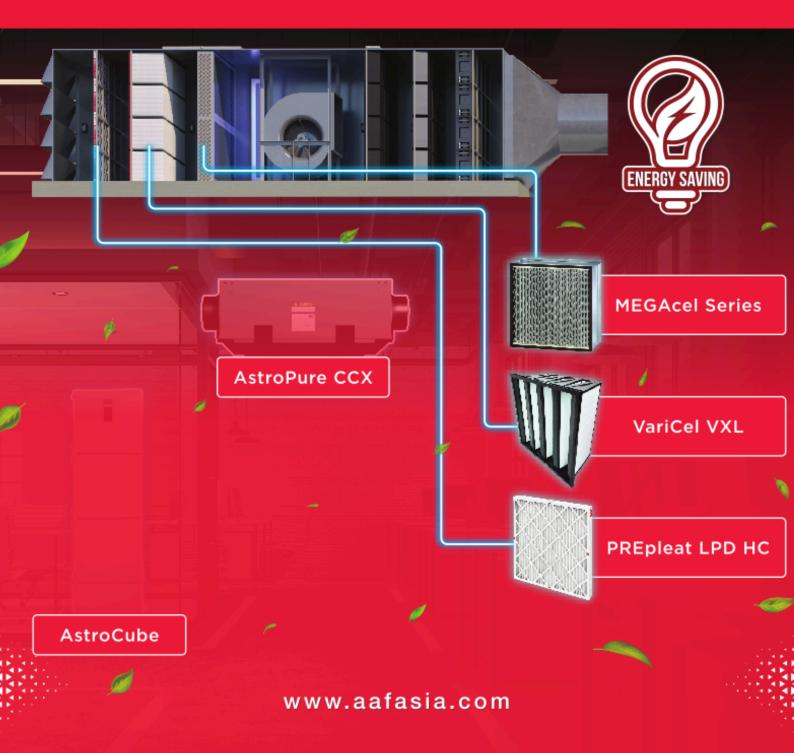
Ir. Prof. Dr. Jeffrey Chiang Choong Luin IEM PRESIDENT SESSION 2024 - 2025

IEM 66TH ANNUAL DINNER & AWARDS NIGHT



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1968/69	Late Ir. Ow Yang Hong Chiew
1969/70	Late Ir. Chan Peng Khuen
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1975/1977	Late Ir. Chan Khee Pok
Apr–Dec 1977	Allahyarham Tan Sri Datuk Ir. Mahfoz bin Khalid
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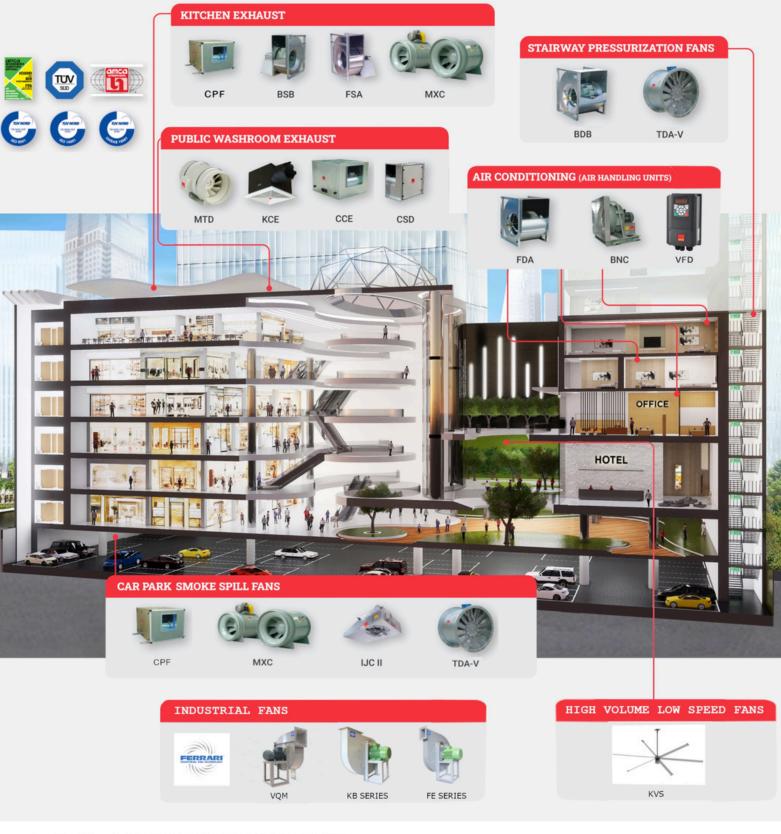
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TENTATIVE PROGRAM

6.00 pm	:	Ballroom Door Open Cocktail Reception and Pre-Dinner Drink
6.00 pm	:	Photo Booth Session Open (6.00 pm – 11.00 pm)
7.40 pm	:	Arrival of Guest of Honour (into VIP Holding Room) Minister of Works - YB. Dato Sri Alexander Nanta Linggi
7.55 pm	:	Grand Entry by Distinguished Guest of Honour
8.00 pm	:	Negaraku followed by Opening Gambit (IEM's Video)
8.05 pm	:	Emcee Welcome – by Ms. Nadia Heng
8.10 pm	:	Food Presentation / Commencement of Dinner (Live Band - performs 1st set)
8.35 pm	:	Welcome Address by IEM's President, Ir. Prof. Dr. Jeffrey Chiang Choong Luin Followed by the launching of Jurutera-i (IEM's interactive platform)
8.50 pm	:	Conferment of IEM Awards for Honorary Fellow 2025 (1st Award) to Guest of Honour, Minister of Works - YB. Dato Sri Alexander Nanta Linggi
9.05 pm	:	Conferment of IEM Award for Honorary Fellow 2025 (2 nd Award)
9.15 pm	:	Conferment of IEM Award for Contribution to Engineering Profession 2025 (1 Award)
9.20 pm	:	Presentation of the IEM Top Membership Drive Awards 2024 (4 Awards)
9.25 pm	:	Presentation of the IEM Top 5 Mentor Awards 2024 (5 Awards)
9.30 pm	:	Dinner continues accompanied by performance of Live Band (2nd set)
9.50 pm	:	Honouring the IEM Young Leaders (YES Past Chairman)
10.05 pm	:	Presentation of the IEM Gold Medal Awards 2024 (28 Awards)
10.25 pm	:	Presentation of the IEM Presidential Awards of Excellence 2024 (6 Awards)
10.30 pm	:	Finale Showtime – Datuk Sheila Majid (5 songs)
10.50 pm	:	Conferment of the IEM Award for Contribution to Engineering Industry in Malaysia 2025 (11 Awards)
11.30 pm	:	Conferment of the IEM Award for Contribution Engineering Achievement in Malaysia 2025 (1 award)
11.35 pm	:	Mystery Draw
12.00 am	:	Thank you / Farewell

IEM 66TH ANNUAL DINNER & AWARDS NIGHT



IEM 66TH ANNUAL DINNER ORGANISING COMMITTEE 2025

Organising Chairman Ir. Abdul Razak bin Yakob

Organising Deputy Chairman Mr. Chia Yu Huat

Organising Committee Members Ir. Rusnida binti Talib Ir. Dr. Siow Chun Lim Ir. Alex Looi Tink Huey Ir. Razmawata bin Mohamad Razalli Ir. Wan Rizaluddin Abdullah bin Wan Ali Ir. Frankie Cheah Peng Leong Mr. Chua Pei Lim @ Ahlam

By Invitation

Ir. Prof. Dr. Jeffrey Chiang Choon Luin – President Ir. Yau Chau Fong – Deputy President Y.Bhg. Dato' Ir. Nor Hisham bin Mohd Ghazali – Vice President (ACTIVITIES)

REGULAR MENU

Pyramid Four Combinations Plater Sichuan Style Abalone Clam Chilled Vietnamese Rise Roll with Mango Golden Fishcurd with Cocktail Sauce & Crushed Cashewnut Stir Fried Hakka Yam Abacus

Soup Braised Blue Sea Crabmeat Soup Japanese Dried Scallop l Shredded Fish Maw

Chicken Oven Roasted Marinated Chicken Thigh Tempe Crackers L Smoked BBQ Sauce

Fish Deep Fried Whole Snapper Signature Chili Dressing l Jack Fruit l Crushed Peanut

Prawn Deep Fried Tiger Prawn Honey Shrimps Sauce L Caesar Dressing L Crispy Lettuce

> *Vegetables* Wok Fried Organic Enpiko Mushroom Truffles Paste l Assorted Vegetables

Rice Steamed Jasmine Rice Salted Fish I Chicken I Mushroom I Scallions (Individual Bowl)

Dessert Chilled Passion Fruit and Lemon Lime Syrup Honey Sea Coconut

VEGETARIAN MENU

Asian Combinations Plater Baked Vegetarian Fluffy Yam Puff Sang Kan Dumpling with Honey Sauce Sichuan Style Marinated Kyuri and Cloud Ear Fungus Vegetable Mango Rice Roll with Plum Sauce

Soup Braised Pumpkin with Enoki Mushroom and Bean Curd Soup

Avocado Baked Stuffed Avocado Pan Seared Eryngii Mushroom l Spicy Marinara Sauce

Mushroom Braised Duo Mushroom & Treasure Bag with Wolfberries Vegetarian Oyster Sauce

Prawn Wok Fried Tiger Prawn Oats Prawn with Lettuce

Vegetables Wok Fried Organic Enpiko Mushroom Truffles Paste l Assorted Vegetables

Rice Steamed Fragrant Rice with Lotus Seed & Mushroom

Dessert Chilled Passion Fruit and Lemon Lime Syrup Honey Sea Coconut



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IEM's Function

IEM is a society established to promote and advance the Science and Profession of Engineering in any or all its disciplines and to facilitate the exchange of information and ideas related to Engineering





Benefits of Joining IEM

- Gain recognition for engineering competence and professional accomplishment
- Access a wide network of fellow engineers in the private and public sector in Malaysia as well as regional and international engineering bodies
- Advance professional development by attending regularly organized in-house conference and site visits
- Kept abreast of engineering development via IEM journals and bulletins
- IEM's Benevolent and Education Fund assists members in taking care of their welfare in times of need eg. Jurutera Wargamas, retrenchment aids, scholarships etc.

Unlock your professional potential with IEM (The Institution of Engineers, Malaysia). As an engineering student or recently graduated, joining IEM offers you unmatched networking opportunities—both locally and globally—exclusive industry insights, and access to a worldwide community of engineers. Take the first step toward a thriving engineering career by becoming a part of IEM today. COME JOIN US & ENJOY THE BENEFITS!



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Engineering technologists and technicians play a vital role in transforming engineering designs into practical solutions, ensuring the effective implementation and maintenance of systems and equipment. They serve as a bridge between theoretical engineering concepts and real-world applications, making significant contributions to project execution and problem-solving across various industries. To acknowledge their importance, IEM offers professional recognition to certify engineering technologists and technicians within the field.

ENGINEERING TECHNOLOGIST GRADUATE MEMBER

- Graduated from an accredited engineering technology degree and
- Registered as Engineering Technologist with the Board of Engineers Malaysia (BEM)

ENGINEERING TECHNICIAN GRADUATE MEMBER

• Graduated from an accredited **engineering diploma** qualification

ENGINEERING TECHNOLOGIST MEMBER

- Graduated from an accredited engineering technology degree
- Registered with the Board of Engineers Malaysia (BEM) as Engineering Technologist
- Minimum of three (3) years of relevant practical experience as Engineering Technologist



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ENGINEERING TECHNICIAN MEMBE

- Graduated from an accredited **engineering diploma** qualification
- Minimum of three (3) years of relevant practical experience



Date / Day	Name of Conference / Symposium	Organised B
9 Sept 2025	BUILDING SERVICES SYMPOSIUM (BSS) 2025	BSTD
(Day 1)	KUALA LUMPUR ENGINEERING FORUM (KLEF)	• IEM
	ASIAN CONFERENCE ON TUNNELLING AND TRENCHLESS	• TUSTD
10 Sept 2025	TECHNOLOGY (ACTT) 2025	
(Day 2)	• KUALA LUMPUR ENGINEERING FORUM (KLEF) x IESE	• IEM & EE
	KUALA LUMPUR ENGINEERING FORUM (KLEF) x AMS	• IEM & ME
11 Sept 2025	ASIAN CONFERENCE ON TUNNELLING AND TRENCHLESS	TUCTO
(Day 3)	TECHNOLOGY (ACTT) 2025	• TUSTD
12 Sept 2025	URBAN ENGINEERING SYMPOSIUM (URBENS) 2025	• UEDSIG
(Day 4)		



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	:	Ir. Fam Yew Hin
	:	Ir. Chen Harn Shean
	:	Ir. Prof. Dr David Chuah Joon Huang
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	:	Ir. Sharifah Azlina binti Raja Kamal Pasmah
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2022	:	YBhg. Academician Tan Sri Dato' Seri Ir. Prof. Emeritus Dr. Chuah Hean Teik

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1981	:	Late Ir. Thean Lip Thong
1981	:	Late Tan Sri Datuk Ir. Prof. Dr. Chin Fung Kee
1982	:	Allahyarham Y.Bhg. Tan Sri Dato' (Dr.) Ir. Haji Abu Zarim bin Haji Omar
1982	:	Late Academician Tan Sri Ir. (Dr.) J. G. Daniel
1984	:	Y.A.B. Tun Dr Mahathir bin Mohamed (transferred to Grade of Distinguished Hon Fellow in 2004)
1986	:	Late Ir. Chiam Teong Tee
1986	:	Allahyarham Tan Sri Datuk Ir. Haji Mohd. Hassan bin Abdul Wahab
1988	:	Allahyarham Tun Hussein Onn
1989	:	Al-Marhum Paduka Seri Sultan Azlan Muhibbuddin Shah Ibni al-Marhum Sultan Yussuf Izzuddin Shah Ghafarullahu-Lah
1991	:	Late Y.Bhg. Dato' Ir. Pang Leong Hoon
1991	:	Allahyarham Prof. Dr. Ing. B. J. Habibie
1993	:	Allahyarham Dato' Ir. Mustafa bin Ahmad (posthumous)
1993	:	Y.Bhg. Tan Sri Dato' Ir. (Dr.) Shamsuddin bin Abdul Kadir
1993	:	Y.Bhg. Academician Dato' Ir. Lee Yee Cheong (transferred to Grade of Distinguished Hon Fellow in 2010)
1994	:	Al-Marhum Tuanku Ja'afar Ibni al-Marhum Tuanku Abdul Rahman
1995	:	Y.Bhg. Datuk Amar (Dr.) Leo Moggie
1998	:	Allahyarham Y.A.Bhg. Tun Daim Zainuddin
2001	:	Y.A.B. Dato' Seri Abdullah bin Haji Ahmad Badawi
2003	:	Y.Bhg. Dato' Seri Law Hieng Ding
2004	:	Y.Bhg Datuk Tham Nyip Shen
2006	:	Late Ir. Teoh Cheng Hock (Ir. C.H. Teoh) (posthumous)
2007	:	Y.Bhg. Tan Sri Dato' Ir. Haji Zaini bin Omar
2008	:	Allahyarham Y.A.B. Pehin Seri Tan Sri Dr. Haji Abdul Taib bin Mahmud
2008	:	TYT Tun Datuk Seri Panglima Musa bin Hj. Aman
2008	:	Y.A.Bhg Dato' Seri Ir. Haji Mohammad Nizar bin Jamaluddin
2009	:	Y.Bhg. Dato' Sri Ir. Mohd Zin bin Mohamed
2012	:	Y.Bhg Dato' Ir. Donald Lim Siang Chai
2012	:	Late Ir. Dr. Ooi Teik Aun
2012	:	Late Ir. Ow Yang Hong Chiew (posthumous)
2012	:	Late Ir. Chan Peng Khuen (posthumous)
2012	:	Allahyarham Tan Sri Datuk Ir. Haji Halaluddin bin Mohd. Ishak (posthumous)
2012	:	Late Ir. Chan Khee Pok (posthumous)
2012	:	Allahyarham Tan Sri Datuk Ir. Mahfoz bin Khalid (posthumous)
2012	:	Allahyarham Ir. Haji Mohd. Razali bin Bidin (posthumous)

IEM 66TH ANNUAL DINNER & AWARDS NIGHT

2012	:	Late Ir. Wong Kin Hong (posthumous)
2012	:	Allahyarham Ir. Haji Abdul Rahman bin Yaacob
2012	:	Ir. Chong Pick Eng (P.E. Chong)
2012	:	Y.Bhg. Dato' Ir. Abdul Rashid bin Ahmad
2012	:	Late Ir. Dr. Ting Wen Hui
2012	:	Allahyarham Ir. Haji Mohd. Mazlan bin Md. Ismail Merican
2012	:	Y.Bhg. Academician Tan Sri Datuk Ir. (Dr.) Haji Ahmad Zaidee bin Laidin
2012	:	Y.Bhg. Dato' Ir. Dr. Gue See Sew
2012	:	Y.Bhg. Dato' Ir. Prof. Abang Abdullah bin Abang Ali
2012	:	Y.Bhg. Datuk Ir. Prof. Dr. Ow Chee Sheng
2012	:	Y.Bhg. Dato' Paduka Ir. Prof. (Dr.) Haji Keizrul bin Abdullah
2013	:	YBhg. Academician Tan Sri Dato' Seri Ir. Prof. Emeritus Dr. Chuah Hean Teik (transfer to Grade of Distinguished Hon Fellow in 2022)
2013	:	Y.Bhg. Dato' Seri Ir. Mohd Noor bin Yaakob
2014	:	Ir. Vincent Chen Kim Kieong
2014	:	Y. Bhg. Dato' Sri Ir. Dr. Judin bin Abdul Karim
2014	:	Y. Bhg. Tan Sri Dato' Ir. Dr. Gan Thian Leong
2014	:	Allahyarham Dato' Ir. Prof. Dr. Radin Umar bin Radin Sohadi (posthumous)
2015	:	Y. Bhg. Tan Sri Dato' Seri Jeffrey Cheah Fook Ling AO
2016	:	Y. Bhg Dato' Ir. Donald Lim Siang Chai
2016	:	Ir. Choo Kok Beng
2017	:	Mr. Antonio Guterres
2017	:	Professor Dr. Shahbaz Khan
2018	:	Ir. Khoo Choong Keow
2019	:	Late Ir. Hee Meng Chor (M.C. Hee) (posthumous)
2019	:	Y.Bhg. Dato' Ir. Dr. Lim Chow Hock
2020	:	Ir. Dr. Tan Yean Chin
2021	:	Y. Bhg Datuk Ir. Mohamad Zulkefly bin Sulaiman
2022	:	Ir. David Lai Kong Phooi
2023	:	YAB Datuk Sri Hj. Fadillah bin Hj. Yusof
2023	:	YBhg. Dato' Seri Ir. Dr. Zaini bin Ujang
2023	:	YB Tuan Zairil bin Khir Johari
2023	:	Y.Bhg. Dato' Ir. Ahmad Redza bin Ghulam Rasool
2024	:	Ir. Ong Ching Loon
2024	:	Y.Bhg. Dato' Ir. Rajendran a/l P. Anthony
2024	:	Y.B. Than Chang Lih Kang

IEM HONORARY MEMBER

2009	:	Late Master Yeoh Tong Eng
2012	:	En. Mohd. Annuar bin Taib
2012	:	Y. Bhg. Dato' Hj. Abd. Halim bin Hj. Abd Latif
2012	:	Y. Bhg. Dato' Baharudin bin Sariman
2012	:	Y. Bhg. Dato' Gan Boon Khuay
2012	:	Puan Salmah binti Mohd Taufik
2013	:	Y.Bhg. Dato' Prof. Dr Mohd Noh bin Dalimin
2013	:	Y.Bhg. Dato' Dr Mohamad bin Hashim
2014	:	Y.Bhg. Dato' Lau Siu Wai
2014	:	Y.B. Datuk Dr. Abu Bakar bin Mohamad Diah
2015	:	Y.Bhg. Datuk Professor Dr. Shahrin Bin Sahib @ Sahibuddin
2017	:	YBhg. Dato' Emeritus Professor Dr. Hassan Said
2019	:	YBhg. Dato' Abdul Karim bin Mohd Tahir
2019	:	Mr. Lim Swee Ee

IEM DISTINGUISHED MEMBER

2013

:

YBhg. Tan Sri Dato' Ir. Teo Chiang Kok

CITATION (IEM HONORARY FELLOW)

YB. DATO SRI ALEXANDER NANTA LINGGI IEM HONORARY FELLOW

YB Dato Sri Alexander Nanta Linggi born on 16 June 1958 is a Malaysian politician. He is Secretary-General of both Parti Pesaka Bumiputera Bersatu (PBB) and its coalition Gabungan Parti Sarawak (GPS).

He holds a Bachelor of Business Administration from Schiller International University, Germany.

He has served as Minister of Works in the Unity Government administration under Prime Minister Anwar Ibrahim since December 2022. He served as the Minister of Domestic Trade and Consumer Affairs for the second term in the Barisan Nasional (BN) administration under former Prime Minister Ismail Sabri Yaakob from August 2021 to the November 2022 and his first term in Perikatan Nasional (PN) administration under former Prime Minister Muhyiddin Yassin from March 2020 to August 2021 as well as the Deputy Minister of Rural and Regional Development in the Barisan Nasional (BN) administration under former Prime Minister Najib Razak and former Ministers Shafie Apdal and Ismail Sabri Yaakob from May 2013 to May 2018.



He has also served as the Member of Parliament (MP) for Kapit since November 1999. He is the grandson of former Sarawak leader Jugah anak Barieng and the son of former politician Leonard Linggi. He is also a businessman, having served as the Chairman of shipping company Swee Joo Bhd.

During his tenure as Federal Minister, he has helped Sarawak obtain the LPG Regulatory Exemption in the State, obtain permission for SEDC Energy Sdn Bhd to become an oil company in Sarawak.

He received the PJN which carried the title Datuk in 2010 and the PNBS from Sarawak which carried the title Dato Sri in 2020.

In recognition of his years of contribution towards the engineering sector in the country, the IEM Council confers to YB Dato Sri Alexander Nanta Linggi, the IEM Honorary Fellow award.

CITATION (IEM HONORARY FELLOW)

YBHG. DATO' SERI Ir. JASENI bin MAIDINSA IEM HONORARY FELLOW



YBhg. Dato's Seri Ir. Jaseni Maidinsa's distinguished career is marked by a steadfast commitment to providing efficient, sustainable, and secure water supplies. YBhg. Dato's Seri's leadership at Perbadanan Bekalan Air Pulau Pinang Sdn Bhd (PBAPP) for 15 years as Chief Executive Officer is a testament to his remarkable achievements. Under his guidance, PBAPP; achieved significant milestones in water conservation, including the implementation of the Penang Water Conservation Surcharge and the development of Building By-Laws to mandate water-saving devices in new buildings; successfully commissioned the 100 MLD Yuan He Water Treatment Plant in China, marking PBAPP's first overseas venture; established the Penang Water Services Academy, the first of its kind in Malaysia to offer accredited water supply industry training programs; championed the drafting of crucial water catchment area orders to protect Penang's water resources; oversaw the completion of the Masterplan Study for Potable Water Supply in Penang 2050, ensuring long-term water security for the state; steering PBAPP to become the first public-listed water supply operator in Malaysia.

YBhg. Dato' Seri Ir. Jaseni's dedication extends beyond PBAPP. His recognition includes the Distinguished Engineer Award 2018 and numerous accolades for PBAPP's achievements under his leadership.

In April 2023, YBhg. Dato' Seri Ir. Jaseni was appointed Chairman of Perbadanan Aset Air Malaysia Berhad (PAAB) becoming the first professional engineer to helm PAAB. With his guidance and within 18 months of his chairmanship, PAAB's corporate profile has risen significantly attested by its achievement of the various prestigious awards such from The Malaysia Book of Records, Asian Power Magazine, The World Brands Foundation and Malaysia Digital Transformation (MDT) and The Institution of Engineers Malaysia (IEM).

YBhg. Dato' Seri Ir. Jaseni's well-rounded qualifications and unwavering commitment to water supply engineering make him a highly deserving candidate for IEM Honorary Fellow. His leadership, technical knowledge, and passion for the industry would be invaluable assets to IEM. In recognition of his years of contribution towards IEM and the engineering profession, the IEM Council confers to YBhg. Dato' Seri Ir. Jaseni Maidinsa, the IEM Honorary Fellow award.

CITATION (CONTRIBUTION TO ENGINEERING PROFESSION 2025)

MR. TAN ENG TONG CONTRIBUTION TO ENGINEERING PROFESSION

With over 30 years of global leadership in innovation, ET Tan has played a pivotal role in shaping Malaysia's tech ecosystem through policy influence, talent development, and industry transformation.

Mr. Tan stands among the rare few Malaysians to have shaped global technology frontiers. Having left Malaysia almost 50 years ago to get his BSc(Hons) in EE at Imperial College, he joined HP in the UK, moved to Silicon Valley in the US, and then to Seagate.

While there, he pioneered industry-defining innovations that included:

- Co-creating the infrared wireless standard (called IrDA) which was adopted by over 200 companies and deployed in over 2 billion devices; which then gave birth to Paypal and Bluetooth;
- Pioneered DAT/Digital Data Storage (DDS) system with Sony to create a US\$600 million market;
- Led the development of the world's first data-encrypted hard drive, supported by IBM and Microsoft;

His passion in mentoring early start-ups at Stanford University, Beijing and NUS Singapore cemented his role as a cross-border architect of innovation.

Returning to Malaysia under Talentcorp, Mr. Tan was instrumental in:

- Promoting advanced chip technologies like Silicon Photonics, DNA sequencing chips and MEMS technologies as VP of SilTerra Malaysia;
- Aligning policies on workforce skills with industry needs as CEO of Penang Skills Development Centre;
- Driving Malaysia's Semiconductor agenda as MIMOS Board Member;

As one of Malaysia's most followed tech thought leaders on LinkedIn, his writings on STEAM, semiconductors, and policy have been spotlighted by Bloomberg and Business Insider, amplifying Malaysia's voice globally.

Mr. Tan's rare fusion of global pioneer and national champion was recently honoured by Penang's Governor with the Darjah Johan Negeri (DJN) award. Institute of Engineers, Malaysia (IEM) celebrates his legacy—not just for advancing technology, but for inspiring a generation to think beyond our borders



CITATION (OUTSTANDING ENGINEERING ACHIEVEMENT AWARD)

ARUP JURURUNDING SDN. BHD.

Dedicated to sustainable development, Arup is a collective of designers, consultants and experts working globally. Founded to be humane and excellent, we collaborate with our clients and partners using imagination, technology, and rigour to shape a better world.

We draw upon our multidisciplinary expertise to help our clients solve their most complex challenges. Bringing together global strength and leadership in innovation and sustainability, we are proud to have delivered an impressive portfolio of iconic and award-winning developments in Malaysia, including the Merdeka 118, the world's second tallest building.

Merdeka 118 is a significant step towards revitalising the city and will help create new economic opportunities, enhance community life and leave a legacy for generations to come. The tower, which comes with intricate geometry and record-breaking height, is an engineering feat recognised globally.

Arup was instrumental in optimising design efficiency with innovative solutions to realise the iconic skyscraper that is more useful, safe, comfortable and sustainable. We collaborated closely with various stakeholders to achieve engineering excellence as we addressed complex engineering issues, including fatigue evaluation for the spire, complex structural steel connections, and the pioneering use of C105 high-performance concrete (HPC).

These innovative solutions not only enabled structural optimisation and improved constructability but also pushed technical boundaries and set a new benchmark for engineering. Merdeka 118 stands as a testament to Arup's innovation and collaborative approach, showcasing our commitment to delivering developments that support thriving and connected communities.

INDAH WATER KONSORTIUM (IWK) SDN. BHD.

IEM Awards for Contribution to the Engineering Industry in Malaysia 2025

Water Industry

Pinnacle Awards (Champion)

Indah Water Konsortium Sdn Bhd (IWK) is Malaysia's national sewerage services company, owned by the Minister of Finance Incorporated to develop and maintain a modern and efficient sewerage system for all Malaysians.

In 1994, the Malaysian Government awarded IWK the concession for nationwide sewerage services which prior to that, was under the responsibility of the local authorities. Since then, IWK has taken over the sewerage services from the local authorities in all areas except for Sabah and Sarawak.

IWK is responsible for providing sewerage services, operating and maintaining 8,874 existing sewage treatment plants and network pump stations, as well as more than 22,000 km networks of sewerage pipelines serving over 30 million Connected Population Equivalent (PE). Our technical expertise includes Operations and Maintenance of sewage system; Desludging Individual Septic Tanks; Refurbishment; Planning & Policy Strategy; Engineering & Process Review; Project Planning, Project Management; EIA and HAZOP Studies; Training Services & Module Development; Research & Development; Capacity Building and Community Awareness & Education Programs.

For more information, please visit our website at www.iwk.com.my

SEDAFIAT SDN. BHD.

IEM Awards for Contribution to the Engineering Industry in Malaysia 2025 Facilities Management Pinnacle Awards (Champion)



Era Baharu Air

SEDAFIAT SDN. BHD. is a premier integrated facility management company in Malaysia, specialising in non-clinical healthcare support services. Incorporated on 30 September 2011, Sedafiat signed a Concession Agreement with the Ministry of Health Malaysia on 11 March 2015 to deliver Hospital Support Services across Sabah and the Federal Territory of Labuan for ten years from 1 April 2015.

Its services include Facility Management, Engineering Maintenance, Biomedical Maintenance, Cleansing, Linen and Laundry, and Healthcare Waste Management across 26 government hospitals. Sedafiat's vision is to be a world-class leader in hospital support services, guided by its missions to deliver quality services, ensure customer satisfaction, foster innovation, implement effective management systems, and promote a safe working culture. Its corporate values — Assertiveness, Faithfulness, Intelligence, Accountability, and Trustworthiness — underpin its commitment to good governance.

Driven by the motto "Quality is Our Culture," Sedafiat integrates technology and digital solutions to enhance operational efficiency and ensure service continuity, demonstrating resilience during the global pandemic. The company adheres to the highest standards of accountability and transparency, embedding quality as a core element of its workplace culture.

Since 2015, Sedafiat has organised over 150 CSR programs, focusing on humanitarian aid, education, healthcare, and environmental conservation with an annual CSR spending of RM200,000. Employing 2,955 staff across 28 locations with a turnover rate below 4%, Sedafiat invests heavily in human capital development.

Looking ahead, Sedafiat aims to strengthen operations, enhance ESG initiatives, foster digital transformation, and expand into Southeast Asia and the Middle East.

SCHNEIDER ELECTRIC INDUSTRIES (M) SDN. BHD.

IEM Awards for Contribution to the Engineering Industry in Malaysia 2025

Power Energy & Green Technology Industry

Pinnacle Awards (Champion)

Schneider Electric Malaysia is honored to receive the award for its significant contributions to the advancement of engineering in Malaysia. The company has demonstrated exceptional commitment to modernising key infrastructure and has played a pivotal role in:

- Modernising Air Selangor Semenyih 2 water treatment plant with automation and digital twin technology, resulting in improved operational efficiency and reduced downtime.
- Malaysia's first offshore renewable energy development in Malaysia of which the company developed an advanced energy management system for Petronas CEFORE Floating Solar Project that integrate offshore wind turbines, floating photovoltaics, ocean wave energy into a cohesive renewable energy framework.
- Enabling sustainability and energy savings which contributed to green building certification of buildings with EcoStruxure Building Operations.
- Ensuring power reliability and availability for TM One Iskandar Puteri Data Center where the company designed and installed a fully automated power system that achieved lower energy cost compared to traditional data centers
- Actively participating in human capital development by conducting seminars and training for engineers and consultants.

Schneider Electric look forward to propelling local companies in Malaysia towards NIMP and NETR aspirations by forging strong partnerships with local key players and public authorities. We are keen on building more conversations around energy transition, digital transformation and industrial automation by sharing our global best practices with local industrial players as well as public authorities.

AMERICAN AIR FILTER MANUFACTURING SDN. BHD.

IEM Awards for Contribution to the Engineering Industry in Malaysia 2025

Power Energy & Green Technology Industry

Trailblazer Awards (2nd Placing)



ectric

American Air Filter Manufacturing Sdn Bhd (AAF) Malaysia, with over 100 years of expertise, is a global leader in air filtration solutions. We provide energy-efficient filtration systems for industries such as power, healthcare, semiconductor, and data centers. Beyond advanced technologies, we invest in training engineers who drive innovation and sustainability. Through structured programs, hands-on experience, and industry collaborations, we have built a capable workforce ready to tackle industrial and environmental challenges.

AAF Malaysia Research and Development Centre, led by Malaysian engineers, is a key driver of innovation and technological progress. Focused on advancing local industries, it fosters homegrown solutions tailored to Malaysia's needs. The R&D Centre conducts research, designs prototypes, and tests new technologies to improve product quality, manufacturing processes, and sustainability. Today, it supports both local and global markets.

Through our industry-focused training, we have nurtured engineers who develop energy- efficient filtration solutions. Their expertise has led to patented filter media, reducing energy consumption by up to 56%. Our specialists have also implemented the Bag-In-Bag-Out (BIBO) system, ensuring safe hazardous waste disposal while preventing environmental pollution. Additionally, our engineers lead corrosion control in data centers, improving air quality and lowering Total Cost of Ownership Diagnostics (TCOD).

By integrating innovation with Environmental, Social, and Governance (ESG) principles, we continue to lead Malaysia's engineering industry. Our commitment to energy efficiency, environmental responsibility, and sustainable engineering ensures long-term value for industries and communities.

INDUSTRIAL CONCRETE PRODUCTS SDN. BHD.

IEM Awards for Contribution to the Engineering Industry in Malaysia 2025

Manufacturing & Production

Pinnacle Awards (Champion)

Industrial Concrete Products Sdn Bhd (ICP Piles) is the first commercial manufacturer of pre-tensioned spun concrete piles in Southeast Asia and have been operating in Malaysia for over 45 years. As a leading manufacturer of Precast Concrete Spun Piles, ICP supplies high-quality spun piles for large public, commercial, and industrial developments, as well as infrastructure projects. Our piles are widely used in Malaysia and exported globally, including to Asia, North America, and the Pacific Islands.

Presently, ICP operates 8 factories with 11 production lines across Peninsular Malaysia, boasting a production capacity of 2 million tonnes annually. To date, ICP has successfully manufactured over 34 million metric tonnes of spun piles, reinforcing its position as an industry leader.

ICP spun pile is made with high-strength concrete started from concrete grade 80 to grade 100, which ensures consistent quality and durability. Our piles are circular hollow in cross-section and manufactured in sizes ranging from 250mm to 1,200mm with length varying from 6m to 54m in single piece. For large diameter piles, ICP has pile joining facility which is able to pre-join the piles up to 90m.

With a strong commitment to quality, innovation, and sustainability, ICP continues to advance foundation engineering, delivering reliable and high-performance solutions for construction projects worldwide.

ICP Piles - Trusted Foundation, Innovative Solution

SELESA TECHNOLOGY SDN. BHD.

IEM Awards for Contribution to the Engineering Industry in Malaysia 2025 **Digital Industry**

Pinnacle Awards (Champion)

Selesa Technology Sdn. Bhd. is a trusted engineering solutions provider, proudly serving as an authorized distributor of Riello UPS systems from Italy. With a steadfast focus on uninterruptible power supply (UPS) solutions, the company specializes in the sales, installation, and maintenance of critical power infrastructure, particularly for mission-critical environments such as data centers and hospitals.

Guided by its vision "To be the largest electrical partner in Malaysia," Selesa Technology has grown into a key player in the nation's electrical and power systems landscape. Known for its responsive service and technical reliability, the company has earned the confidence of clients who rely on continuous and clean power supply.

In recognition of its outstanding contribution to the field, Riello UPS was named Best Energy Solutions Provider of the Year in Singapore (2023), and more recently, received the Engineer Excellent Award (2024) a testament to its continuous innovation in product design and energy efficiency.

With a commitment to excellence, sustainability, and future-forward engineering, Selesa Technology Sdn Bhd continues to power progress across industries, delivering solutions that protect operations and support growth. The company remains a proud partner to engineering professionals and institutions throughout Malaysia and beyond.





PPES WORKS CCCC JV SDN. BHD.

IEM Awards for Contribution to the Engineering Industry in Malaysia 2025 **Engineering Construction**

Pinnacle Awards (Champion)

The Jepak Bridge Project in Bintulu was awarded to a joint venture between PPES Works, Sarawak and CCCC under an entity aptly known as PPES Works CCCC JV Sdn Bhd.

This combination brought about Sarawak State's leading construction entity, synonymous with having built a vast majority of the local landmarks along with one of the World's largest and most accomplished builders in China, China Communications Construction Company (M) Sdn Bhd whose list of iconic landmarks are marvels of engineering.

The Jepak Bridge Project, is a key component of the Second Trunk Road initiative, providing a key crossing on the mighty Kemena River in Bintulu. More than just a structure, this bridge is a game-changer for the town, strategically positioned to elevate Bintulu's standing as the State's industrial capital. Its striking cable-stay design creates a noticeable landmark, visible from all angles.

The dual carriageway project spans an overall length of 3.586 kilometers with the elevated deck and bridge section stretching an impressive 1.283 kilometers.

Despite the challenges of the global pandemic, the bridge was proudly opened on time to the public during a "soft opening" ceremony on March 23, 2025, officiated by the Guest of Honor, Yang Berhormat Datuk Amar Douglas Uggah Embas (Deputy Premier Second Minister for Finance and New Economy, Minister for Infrastructure and Port Development).

This testament of modern engineering has dramatically improved travel time between Bintulu Airport and Bintulu town, shortening the journey by 6.4 kilometers and opened up new growth possibilities on the Jepak side of Bintulu. The bridge is not just an engineering symbol but represents progress and promise of growth for Bintulu and Sarawak at large.

CHINA COMMUNICATIONS CONSTRUCTION (ECRL) SDN. BHD. (SECTION 7)

IEM Awards for Contribution to the Engineering Industry in Malaysia 2025

Engineering Construction Trailblazer Awards (2nd Placing)

The East Coast Rail Link (ECRL) spans approximately 665 kilometers, traversing four Malaysian states— Kelantan, Terengganu, Pahang, and Selangor. Beginning in Kota Bharu and culminating at Port Klang, it serves as a vital corridor bridging Malaysia's east and west coasts.

As a flagship initiative under the Belt and Road Initiative (BRI), the ECRL stands as the largest economic and trade collaboration between China and Malaysia. It also represents the most extensive overseas single-unit transportation infrastructure project undertaken by a Chinese enterprise and has been designated as China Communications Construction Company's (CCCC) premier project.

The ECRL marks a historic milestone as Chinese railway standards are introduced to Malaysia for the first time. In alignment with local infrastructure conditions, the project employs an innovative hybrid approach—adopting Chinese standards for Railway Systems engineering while integrating Malaysian standards for Civil Engineering Works. This strategic fusion has facilitated a deep synergy between Chinese and Malaysian railway technologies.

Furthermore, the integration of cutting-edge Chinese technology has acted as a force multiplier, significantly enhancing the project's efficiency and quality. As a pioneering model of convergence between Chinese and international railway standards, the ECRL sets a new benchmark for the global expansion of Chinese railway expertise.



ECRL

JURUTERA PERUNDING MEINHARDT SDN. BHD.

MEIN-ARDT

IEM Awards for Contribution to the Engineering Industry in Malaysia 2025 Engineering Consultancy Practices (ECP) Pinnacle Awards (Champion)

Jurutera Perunding Meinhardt is part of Meinhardt Group, one of the world's few multi-disciplinary planning, design, project and construction management consulting firms.

Since 1955, the firm has led the way in delivering distinctive and cost-effective designs that always consider our clients' commercial objectives and global environmental concerns. Owned and headquartered in Singapore, Meinhardt Group employs over 6,000 staff in more than 60 offices worldwide and have worked on some of the largest and most complex building and infrastructure projects globally.

Meinhardt in Malaysia, under the leadership of its Managing Director, Dr Lim Boon Tiong and its fellow directors, has been at the forefront of engineering excellence, shaping Malaysia's urban landscape with state-of-the-art solutions. As a trusted partner in nation-building, Meinhardt has played a pivotal role in the design and engineering of some of Malaysia's most iconic landmarks.

Meinhardt in Malaysia has experienced remarkable growth, expanding into a dynamic team of over 400 professionals specialising in engineering, planning, project management, and technical advisory services. This diverse and highly skilled workforce is empowered by access to Meinhardt's extensive global network, equipping them with world-class expertise, cutting-edge solutions, and a wealth of knowledge to address urban and infrastructure challenges.

Reflecting its long-term commitment to Malaysia's urban and infrastructure advancement, Meinhardt is significantly reinforcing its operations. The Group intends to grow its workforce in Malaysia to 600 by 2025; establish new offices in JB and Kuching; elevating its EPCM business in Malaysia as a regional HQ and transforming its Penang office into a global centre of excellence for semiconductor and advanced manufacturing

H&T CONSULTING ENGINEERS SDN. BHD.

IEM Awards for Contribution to the Engineering Industry in Malaysia 2025

Engineering Consultancy Practices (ECP)

Pinnacle Awards (Champion)



H&T Consulting Engineers

H&T Consulting Engineers is a leading international firm specializing in civil, structural, geotechnical, and bridge engineering. Our success is built on technical excellence, innovative design, and a commitment to delivering efficient, cost-effective solutions.

With over 15 years of experience, H&T has established a strong track record in handling complex structural designs. Our expertise in integrating permanent works with construction engineering gives us a unique edge in the Design & Build market. By prioritising buildability and efficiency, we provide clients with practical solutions that streamline construction, minimize risks, and optimise project outcomes.

As an ISO-certified company, we uphold the highest standards of quality, safety, and environmental responsibility. We leverage advanced technologies, such as Building Information Modelling (BIM), to deliver precise, value-driven solutions tailored to each project's needs.

Headquartered in Malaysia, H&T has expanded internationally with offices in Singapore, Australia, and Indonesia. Despite our global reach, we remain deeply rooted in Malaysia, driving engineering innovation and excellence. We take pride in showcasing Malaysian engineering capabilities on the world stage, contributing to landmark projects that reinforce our reputation as a trusted industry leader. Our collaborative approach ensures tailored engineering solutions that simplify construction, accelerate timelines, and drive long-term success. As we grow, we remain committed to innovation, quality, and delivering world-class engineering solutions from our home base in Malaysia.

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AECOM PERUNDING SDN. BHD.

IEM Awards for Contribution to the Engineering Industry in Malaysia 2025 Engineering Consultancy Practices (ECP) Catalyst (3rd Placing)

AECOM Perunding Sdn Bhd has been a significant contributor to the engineering sector in Malaysia for over 40 years. As a trusted global infrastructure consulting firm, AECOM partners with public- and private-sector clients to create innovative, sustainable and resilient solutions throughout the project lifecycle. The company is renowned for its world-class delivery in Malaysia, particularly in metro rail projects, utilising best-in-class digital tools and technology to tackle complex infrastructure challenges. AECOM notably provided the detailed design for the underground sections of Malaysia's first and second MRT lines, the SBK (Kajang) and SSP (Putrajaya) lines. Both projects have been recognised for their technical excellence both locally and internationally.

AECOM's contributions extend to mega infrastructure projects that provide substantial economic and social benefits, such as the Johor Bahru - Singapore Rapid Transit System Link and the East Coast Rail Link. The company's work has garnered numerous industry recognitions, including the Best Major Project award at the 2024 Malaysian Construction Industry Excellence Awards for the Klang Valley Mass Rapid Transit Putrajaya Line. Additionally, AECOM's Kuala Lumpur office received ISO 19650 BIM certification in 2024, making it the second AECOM office globally to attain this standard.

AECOM is committed to human capital development, offering global-level training and career paths for local talent. The company also emphasizes environmental sustainability through its Sustainable Legacies strategy, which integrates ESG principles into all operations. AECOM's dedication to excellence and sustainability positions it as a leader in Malaysia's engineering sector.

ACKNOWLEDGEMENT

The Organising Committee and the IEM Council wish to express their sincere gratitude and appreciation to the following organisations for their support and contribution towards the success of our Annual Dinner and Awards Night.

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And all others who have provided assistance in one way or another, but whose name have been inadvertently left out.

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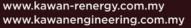
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