



Ministry of Works



HIGHWAY CONCESSION CONFERENCE 2024

HIGHWAY REVITALIZATION :
BALANCING ENGINEERING, SOCIAL & ENVIRONMENT INNOVATIVELY

17-19
SEPTEMBER 2024

RENAISSANCE
JOHOR BAHRU HOTEL



FOREWORD

YB DATO SRI ALEXANDER NANTA LINGGI

Minister

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FOREWORD

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FOREWORD



YB DATO SRI ALEXANDER NANTA LINGGI

Minister of Works



I extend my heartfelt congratulations to the Malaysian Highway Authority for their initiative in organizing this significant event. I also express my sincere appreciation to Persatuan Syarikat Konsesi Lebuhraya Malaysia (PSKLM) for their role as of this conference. Highways serve as the lifelines of modern society, facilitating the movement of goods, services, and people across vast distances.

They are not merely stretches of pavement; they are conduits of economic growth, connecting communities, fostering trade, and enabling access to opportunities. This professional gathering holds immense importance for the exchange of current knowledge across various aspects of highway planning, design, construction, operation, and maintenance. The theme for this year's conference, "Highway Revitalization: Balancing Engineering, Social, and Environmental Innovation," sets a bold aspiration for engineers worldwide to collaborate, share experiences, and devise concrete solutions aimed at enhancing highways in terms of engineering, social, and environmental balance.

I extend a warm welcome to both international and local speakers who will share their expertise and insights during the conference. I am optimistic that this event will be highly productive and beneficial, contributing significantly to the advancement of the highway industry.

I firmly believe that the outcomes of this conference will greatly benefit engineers, officials, academics, students, the media, and all stakeholders concerned about the future of our highways and their impacts on human, economic, financial, and psychological aspects. It is my hope that the knowledge gained from this conference will be instrumental in enhancing the management and safety of our highways.

Let us embark on this journey with a spirit of collaboration, determination, and optimism. May this conference be a catalyst for progress and a platform for meaningful dialogue. I extend my best wishes for the success of the Highway Concession Conference 2024.

*Warm regards,
Thank you.*

MESSAGE FROM HCC 2024 PATRON



**YB DATUK SERI UTAMA
IR. HASNI BIN MOHAMMAD**

*Chairman
Malaysian Highway Authority*



First of all, we would like to take this opportunity to express our sincere appreciation and congratulate the main organizing committee for their commitment to making this event a success. We would also like to welcome all delegates, speakers, moderators, and panelists to this event and this three-day program could not have been made possible without the full support from all government agencies, concessionaires, system integrators and consultants for their collaboration to make this event smooth and successful. We truly appreciate your dedication.

On that note, this year's Highway Concession Conference 2024 will focus on Highway Revitalization: Balancing Engineering, Social, and Environmental Innovation. In line with this objective, we believe this program will be an important platform where all delegates can share, unwrap, and contribute invaluable input on the technological evolution, considerations, opportunities, and risks based on this year's theme: Balancing Engineering, Social, and Environmental Innovation.

We have no doubt that this program will be a worthwhile experience, and we will all walk away enriched with a better understanding of contemporary issues, fruitful discussions, interesting findings, and observations.

Thank you.



MESSAGE FROM HCC 2024 ADVISOR



**YBHG. DATO' IR. SAZALI
BIN HARUN**

*Director General
Malaysia Highway Authority*



Dear Participants and Guests,

On behalf of the Highway Concession Conference (HCC) Organizing, it is our utmost pleasure to welcome you to the 2024 edition of HCC. We are thrilled to gather here with industry leaders, innovators, and enthusiasts from around the globe to explore the forefront of the toll highway industry.

We have curated an enriching lineup of sessions, keynote speeches, and networking opportunities designed to inspire, educate, and foster meaningful connections. Whether you are here to gain insights from renowned experts, discover cutting-edge technologies, or collaborate on groundbreaking ideas, this conference promises to be an unforgettable experience.

We extend our heartfelt gratitude to our esteemed speakers who have graciously shared their expertise, as well as our sponsors and partners whose support has been invaluable in making this event possible.

We encourage you to take full advantage of this unique opportunity to exchange knowledge, expand your professional network, and contribute to the collective advancement of the toll highway industry.

Let us embrace the opportunity to learn, connect, and collaborate. May this conference be a catalyst for new ideas, lasting relationships, and meaningful progress.

Welcome to HCC 2024! Here's to a transformative experience ahead.

*Warm regards,
Thank you.*



PROGRAMME INFO

SEMINAR IN BRIEF

Highway Concession Conference (HCC) 2024 is a program organized by Malaysian Highway Authority aimed at sharing aspirations, experiences, ideas and discussing issues related to a strategic and comprehensive approach to improve the development and management of toll highways in Malaysia. This program will provide a platform for industry professionals, experts, and stakeholders to convene, exchange knowledge, and explore advancements in managing a highway network road infrastructure.

OBJECTIVE

The objectives of the HCC are to facilitate the exchange of experience and ideas from experts in areas related to the highway industry, discuss current challenges in the Malaysian highway industry, provide a professional networking platform, encourage the application of digitalization in highway services, and promote environmental sustainability in toll highway operations.

THEME

Anchored by the theme of "Highway Revitalization: Balancing Engineering, Social and Environment Innovatively", HCC embodies a concerted effort to navigate the intricate intersection of engineering excellence, social inclusivity, and environmental stewardship.

16 SEPTEMBER 2024

3.00 p.m – 10.00 p.m Registration / Hotel Check In

17 SEPTEMBER 2024

6.30 a.m – 7.30 a.m Breakfast

7.30 a.m – 8.45 a.m Registration of Participants

8.45 a.m – 9.00 a.m
Arrival of VIP
Arrival of Minister of Works
National Anthem
Doa Recital

9.00 a.m – 9.10 a.m  **Welcoming Address**
YB Datuk Seri Utama Ir. Hasni bin Mohammad
Chairman, Malaysian Highway Authority

9.10 a.m – 9.30 a.m  **Official Opening**
YB Dato Sri Alexander Nanta Linggi
Minister of Works Malaysia


9.30 a.m – 10.00 a.m  **Keynote Speech**
YBhg. Datuk Seri Hj. Hasnol Zam Zam bin Hj. Ahmad
Chief Secretary, Ministry of Works Malaysia

10.0a.m – 10.10 a.m Presentation by Representative of Road Engineering Association Malaysia (REAAA)

10.10 a.m – 10.15 a.m Photo Session

10.15 a.m – 11.00 a.m Exhibition Booth Visit / Break

11.00 a.m – 12.20 p.m  **Paper 1 : Secret of Transformation Leader & How to Drive Fast Result!**
YB Dato' Sri Idris Jala
Presiden & CEO PEMANDU Associates Malaysia

12.20 p.m – 1.00 p.m  **Paper 2 : Asset & Methodology Vs Ageing & Longevity 'Action To Revitalise'**
Ir. Mohd Shahrir Amin bin Ahmad
Director Operating & Maintenance Division

1.00 p.m – 2.30 p.m Lunch / Break

2.30 p.m – 3.10 p.m  **Paper 3 : Policies & Strategies for Expressway Construction & Maintenance in Japan**
Mr. Yosuke Tanaka
Ministry of Land, Infrastructure, Transport and Tourism, Japan (MLIT)

3.10 p.m – 3.50 p.m  **Paper 4 : Inter-City Motorways Thailand, Past Present Future**
Dr. Thanasak Wongtanakitcharoen
Director of Motorway, Department of Highways Thailand

3.50 p.m – 4.30 p.m  **Paper 5 : Artificial Intelligence (Ai) in Highway Operation & Maintenance**
Dr. Ahmad Fazreen Bin Hj Baharuden
Director, Business Insights & Analytics, Datamicron Systems Snd. Bhd.

4.30 p.m – 5.10 p.m  **Paper 6 : A Fully Connected & Digital Highway**
Mr. Raymond Anthony
*Vice President, Transport Industry, Enterprise Business Group
HUAWEI Technologies Malaysia Sdn Bhd*

5.10 p.m Refreshment / End of Day 1

8.00 p.m Gala Dinner HCC 2024

18 SEPTEMBER 2024

- | | | |
|-----------------------|---|--|
| 9.00 a.m – 9.40 a.m |  | Impak Industri Lebuhraya & Jaringan Jalan Raya Yang Komprehensif Sebagai Pemangkin Ekonomi Madani
YBhg. Dato' Zahrul Hakim Bin Abdullah
<i>Deputy Secretary General, Policy & Development Sector, Ministry of Works</i> |
| 9.40 a.m – 10.20 a.m |  | Paper 8 : The Highway & I, The Story Continues.....
YBhg. Datuk Suhaimi bin Sulaiman
<i>Director General, Radio Televisyen Malaysia (RTM)</i> |
| 10.20 a.m – 10.50 a.m | | Break |
| 10.50 a.m – 11.30 a.m |  | Paper 9 : Brunei Temburung Bridge - Feasibility Study Design and Construction
Ir. Prof. Naeem Hussain
<i>Director, Global Bridge Leader, ARUP Group</i> |
| 11.30 a.m – 12.05 p.m |  | Paper 10: Overview of NEXCO East's Next Generation Expressway Concept
Mr. Mitsushi Akira
<i>Chief General Manager, International Business Development Section, East Nippon Expressway, Tokyo, Japan</i> |
| 12.10 p.m – 12.45 p.m |  | Paper 11 : Driving Better Outcomes for Infrastructure Through Connected Digital - Navigating The Industry Challenges
Mr. William Low
<i>Sr Regional Manager, Asia – Autodesk Construction Solution</i> |
| 12.50 p.m – 2.30 p.m | | Lunch / Break |
| 2.30 p.m – 3.05 p.m |  | Paper 12: Why Did the Elephant Cross the Road?
Ms. Sharmila Devi Valaitham
<i>Head of Sustainable Infrastructure, Aurecon Lestari Sdn. Bhd</i> |
| 3.10 p.m – 3.45 p.m |  | Paper 13 : Benefits ^ Challenges in Implementing Electric Vehicle (EV) Charging Along Highway in Malaysia
Mr. Haikal Zubir
<i>COO, Gentari Green Mobility Sdn Bhd</i> |
| 3.50 p.m – 4.25 p.m |  | Paper 14 : Revolutionizing Highway Systems with Artificial Intelligence Smarter, Safer and Sustainable Roads
Mr. William Wong
<i>Business Development Manager
Globalcomm Sdn Bhd</i> |
| 5.10 pm – 5.25 pm |  | Closing Ceremony of HCC 2024 |
| 5.25 pm – 5.40 pm |  | Closing Remarks by
YB Datuk Seri Ahmad Maslan
<i>Deputy Minister of Works Malaysia</i> |
| 5.40 pm | | Refreshment / End of Day 2 |

19 SEPTEMBER 2024

- | | | |
|-----------|---|-----------------|
| 7.45 a.m |  | Technical Visit |
| 12.00 p.m | | End of Day 3 |

SPEAKER BIOGRAPHY

KEYNOTE SPEAKER



The Government Overview Perspective In The Privatization Of Highway

DATUK SERI HJ. HASNOL ZAM ZAM BIN HJ. AHMAD

Secretary General
Ministry Of Works

Profile :

DATUK SERI HJ. HASNOL ZAM ZAM BIN HJ. AHMAD graduated with a Bachelor of Science in Urban Planning from the University of Utah, USA and a Master of Urban Planning from the University of Pennsylvania, USA. He joined the public service as an Administrative and Diplomatic Officer on December 1, 1992. Datuk Seri also has extensive experience in planning, human resource management, research and policy and has served as Deputy Secretary General (Management) at the Ministry of Higher Education and the Ministry of Health.

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SPEAKER



Secrets To Transformation Leadership And How To Drive Big Fast Results

DATO' SRI IDRIS JALA

President & Chief Executive Officer
Performance Management And Delivery Unit (Pemandu) Associates

Profile :

Dato' Sri Idris Jala is a world-renowned transformation guru in driving performance for both Governments and the private sector through his Big-Fast-Results Methodology. He is currently the Chairman of PEMANDU Associates, a multi-disciplinary consultancy based in Kuala Lumpur that specializes in public sector transformation, business turnaround, and strategic communications. In 2014, Bloomberg placed him amongst the top-10 most influential policy makers in the world. Under his leadership, PEMANDU was also named as the top-20 most innovative Government agencies globally by Bloomberg Philanthropies and NESTA UK. Prior to PEMANDU, Dato' Sri Idris was the CEO of Malaysia Airlines, and held various senior positions in the Shell Group for 23 years. Dato' Sri Idris also lectures annually at Harvard University under the Harvard Ministerial Program, continuously sharing his secrets for effective transformation to Ministers and CEOs worldwide today.

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Asset & Methodology VS Ageing & Longevity 'Action To Revitalise'

IR. MOHD SHAHRIR AMIN BIN AHMAD

Director
Operation Monitoring Division, Malaysian Highway Authority

Profile :

Ir Shahrir Amin joined the Malaysia Highway Authority (MHA) in 1999 and since then has worked on various positions within the agency related to the highway infrastructure sector, such as construction project management, technical development policy and expressways planning policy. Currently he served as Director of Operation & Monitoring Division and oversee the operation of rapidly expanding highway network in Malaysia.

📍 Bahagian Pemantauan Operasi, Lembaga Lebuhraya Malaysia, KM-6, Jalan Serdang-Kajang, 43000 Kajang, Selangor Darul Ehsan, Malaysia

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Policies & Strategies For Expressway Construction and Maintenance in Japan

MR. YOSUKE TANAKA

Deputy Director,
Expressway Division Road Bureau, Ministry of Land, Infrastructure, Transport & Tourism (MLIT) Japan

Profile :

Yosuke Tanaka joined the Ministry of Land, Infrastructure, Transport and Tourism, Japan in 2010, and since then has worked on various positions within the Ministry related to the infrastructure sector, such as construction project management, technical development policy and expressways planning policy. Most recently, he was involved in technical and financing support for expressways renewal projects to be implemented starting this year. He also has experience in leading the coordination of Official Development Assistance projects in Myanmar, including road construction, urban development, water resource development and disaster management.

📍 Expressway Division, Road Bureau, Ministry Of Land, Infrastructure, Transport & Tourism, 2-1-3, Kasumigaseki, Chiyoda-ku, Tokyo, Japan

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SPEAKER



Inter – City Motorways Thailand, Past Present Future

DR. THANASAK WONGTANAKITHAROEN

Director of Inter-City Motorways Division,
Department Of Highway Thailand

Profile :

Dr Thanasak work scope are to develop and manage intercity expressway networks both in the special highway section and concession highway. He also carries out work related to the maintenance of intercity expressways, toll collection, management & control of the traffic system, highway auditing, risk management & internal control, strategy planning, and intercity special highway district.

Department of Highway Thailand, Building No 19, 2/486, SI – Ayuttaya Road, Ratchathevi, 10400, Bangkok

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Artificial Intelligence (AI) in Highway Operation & Maintenance

DR. AHMAD FAZREEN BIN HJ BAHARUDDIN

Director,
Business Insights & Analytics, Datamicron Systems Sdn. Bhd.

Profile :

Dr. Ahmad Fazreen has over 23 years of experience in manufacturing technology, information technology, telecommunications, and data analytics, and has given lectures, conferences, seminars, and workshops on business intelligence, big data analytics, artificial intelligence, data science, digital transformation, and strategic management. Currently he works in Datamicron Systems Sdn, Bhd. as Director of Business Insights & Analytics and sits on industrial/academic advisory board to few public universities, including Universiti Teknologi Malaysia (UTM), Universiti Teknikal Melaka (UTeM), Universiti Tun Hussein Onn (UTHM), and the International Islamic University of Malaysia (IIUM). He is also a member of the Data Management Association (DAMA) as well as the International Institute of Business Analysis (IIBA). He has completed over 60 full-cycle data-intelligence projects in both the public and private sectors so far.

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A Fully Connected & Digital Highway

MR. RAYMOND ANTHONY

Vice President,
Transport Industry, Huawei Technologies Malaysia

Profile :

Raymond has been in the Telecommunications and ICT Industry for 15 years, serving several key global clients across Europe, Oceania and Asia Region. At present Raymond is the Vice President for Transport Industry Malaysia, focusing on the development and digitalization of Roadway Industry, Aviation Industry, Railway Industry, Seaports Industry and Logistics Industry.

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anthony.raymond@huawei.com / raymond227@live.com.my

SPEAKER



Impak Industri Lebuhraya & Jaringan Jalan Raya Yang Komprehensif Sebagai Pemangkin Ekonomi Madani

DATO' Zahrul HAKIM BIN ABDULLAH

*Deputy Secretary General, Policy & Development Sector
Ministry Of Works*

Profile :

Dato' Zahrul graduated with Bachelor of Islamic Studies focusing Usuluddin & Falsafah from University of National Malaysia. He joined in public service as an Administrative and Diplomatic Officer on Mei 1998. He has extensive experience in development, implementation & privatization of road and bridge. He had served as a special duty officer of the Minister's Office for 9 years (2008 – 2017) with the grade M52. Before assigned as Deputy of Secretary General, Dato' Zahrul had been served as Undersecretary for 5 years.

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The Highway & I, The Story Continues...

DATUK SUHAIMI BIN SULAIMAN

*Director General,
Radio Televisyen Malaysia (RTM)*

Profile :

Dato Suhaimi with more than 30 years of experience in the media industry began his broadcasting career with the Malaysian television channel, TV3. He has also worked as former Group Editor in Chief for Astro Awani and Media Prima, as well as Sarawak Media Group and the Malaysian National News Organization BERNAMA. He established his own companies Suhaimi Sulaiman Omnimedia Pte Ltd and Suhaimi Sulaiman Communication that provided editorial and content consultancy service also public relation advice to various organization. He also provides content development and communication training for Malaysian Public Broadcasting Network (RTM). Under his leadership, Astro Awani was ranked 4th in Google Trending Searches of Malaysia 2014 for comprehensive coverage of the disappearance of Malaysia Airlines MH370 and the crash of Malaysia Airlines MH17.

Radio Televisyen Malaysia, Angkasapuri, 50614 Wilayah Persekutuan Kuala Lumpur

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Brunei Temburong Bridge, Brunei, Feasibility Study Design & Construction

IR. PROF. NAEEM HUSSAIN

*ARUP Fellow Director,
OVE ARUP And Partners Hong Kong, ARUP Group*

Profile :

Naeem has studied both engineering and architecture and is an Arup Fellow and its Global Bridge Leader based in Hong Kong. In 2012 he was awarded the UK Royal Academy of Engineering Prince Philip Medal for Exceptional Services to Engineering. In 2018 he was inducted into the Scottish Engineering Hall of Fame. In 2022 he was awarded the IStructE Gold Medal in recognition of the major and inspirational contribution, sustained over many years, he has made to bridge design, on a global scale, reflecting his background in both architecture and engineering. In 2024, he was awarded the HKIE Gold Medal for service in engineering. He is a Fellow of the Hong Kong Academy of Engineering Sciences and the Royal Academy of Engineering UK. Some of the notable and award-winning projects he has worked on both as a designer and project manager are Ludgate Railway Works London, Oresund Crossing Denmark-Sweden, Channel Tunnel Rail Link UK ((High Speed 1), Hulme Arch Bridge UK, West Rail Hong Kong, Shenzhen Bridge Hong Kong, Incheon Bridge Korea, Stonecutters Bridge Hong Kong, Queensferry Crossing Scotland, Hong Kong Zhuhai Macao Bridge China, Temburong Crossing Brunei. His interest is in a holistic approach to design, where form function and economics are all treated as equally important. He was the Chair of the Outstanding Structures Committee of the International Association for Bridge and Structural Engineering, and the Hong Kong delegate to the Permanent Committee of the International Association for Bridge and Structural Engineering.

Ove Arup & Partners Hong Kong, Level 5, Festival Walk, 80 Tat Chee Avenue, Kowloon Tong, Hong Kong

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SPEAKER



Overview of Nexco East's Next Generation Expressway Concept

MR. MITSUISHI AKIRA

Chief General Manager,
International Business Development, East Nippon Expressway CO.,LTD. (Nexco East)

Profile :

Mitsuishi was born in Osaka in 1966. He is a civil engineer and joined the then Japan Highway Public Corporation in 1992, immediately after obtaining a Master's Degree from the Osaka University. The Corporation was transferred to East Nippon Expressway, or NEXCO East, due to the split privatisation in 2005. He was responsible for everything from planning to maintenance of Japan's motorways, including project planning for the New Tomei Expressway, maintenance and management of motorways in the Tokyo metropolitan area and the spread of ETC system in Japan. He was also dispatched as a JICA expert to the Malaysian Highway Authority from 2000-2002 and to the Ministry of Construction of Myanmar from 2016-2019, where he provided policy support, etc. After a secondment to Japan Expressway International Co., Ltd., or JEXWAY, he has been the Chief General Manager of the International Business Development Section of NEXCO East since June 2024.

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Driving Better Outcomes For Infrastructure Through Connected Digital Delivery

MR. WILLIAM LOW

Senior Regional Manager,
Autodesk Construction Solution, Autodesk Singapore

Profile :

William Low brings 22 years of experience in the construction industry, with notable sales leadership roles at Clipsal (Schneider), Grohe Asia, and as SVP of Autodesk AEC Specialized Partner before joining Autodesk Construction Cloud. He has been pivotal in helping customers transition from 2D to 3D and Virtual Design and Construction (VDC). His contributions to setting up ACC's BCA (IDD) Integrated Digital Delivery framework have helped industry leaders like MTR, CDL, Gamuda, and Sunway connect design data to essential processes for quality, safety, time, and cost management. William has been instrumental in driving change management, positioning companies as game changers in the industry. He frequently contributes to industry blogs and conferences, sharing his commitment to advancing the construction industry through digitalization. William has authored impactful articles on the topic, including one featured on Autodesk's platform.

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Why Did The Elephant Cross The Road?

MS. SHARMILA DEVI VALAITHAM

Head Of Sustainable Infrastructure,
Aurecon Lestari Sdn Bhd

Profile :

Sharmila has 14 years of working experience in environmental consultancy in Malaysia. Her work experiences include GHG Analysis, Environmental Impact Assessment (EIA), Environmental Management Plan (EMP), Environmental Compliance Monitoring, Feasibility studies, Planning Guidelines, auditing works and site assessment in various sectors such as roads and highways, expressways, railway projects, transmission lines, township, mixed development. She is a registered EIA Consultant with DOE Malaysia specializing in water quality, a registered Environmental Auditor and a member with the Construction Industry Development Board (CIDB) Malaysia.

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SPEAKER



Benefits And Challenges in Implementing Electric Vehicles (EV) Charging Usage Along The Highway In Malaysia

MR. HAIKAL ZUBIR

*Chief Operation Officer,
Green Mobility, GENTARI*

Profile :

Haikal Zubir leads the operations units at Gentari Green Mobility Sdn Bhd. With over 20 years of experience, Haikal has led several portfolios relating to alternative fuel, digitalization and innovation. He joined PETRONAS in March 2001 as an Automotive Engineer for PETRONAS NGV Sdn Bhd where he was involved in the introduction of CNG vehicles in Malaysia. Since then, he has held various roles in planning, marketing and project management including being appointed as a board member of the Asia Pacific Natural Gas Vehicle Association (ANGVA). In 2007, Haikal moved to PETRONAS' marketing arm overseeing the business planning and development for the company's retail segment. During his tenure there, he focused on developing ground-breaking solutions for new and untapped market segments which saw the introduction of portable stations, EV charging facilities and on-demand solutions for B2C and B2B customers. His current role is primarily focusing on enabling the adoption of green mobility through innovative solutions and fostering collaborations to advance towards PETRONAS' net zero carbon emission aim.



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Revolutionizing Highway System With Artificial Intelligence; Smarter, Safer, and Sustainable Roads

MR. WILLIAM WONG

*Business Development Manager,
Globalcom Solution Sdn Bhd*

Profile :

Raymond has been in the Telecommunications and ICT Industry for 15 years, serving several key global clients across Europe, Oceania and Asia Region. At present Raymond is the Vice President for Transport Industry Malaysia, focusing on the development and digitalization of Roadway Industry, Aviation Industry, Railway Industry, Seaports Industry and Logistics Industry.



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✔ Data Collection Technology



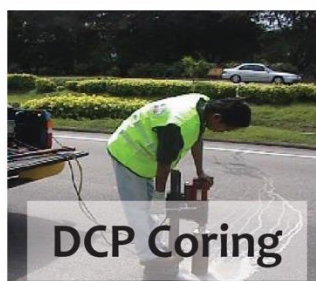
Road Scanner



Falling Weight Deflectometer



Ground Penetration Radar



DCP Coring



Drones



Grip Tester

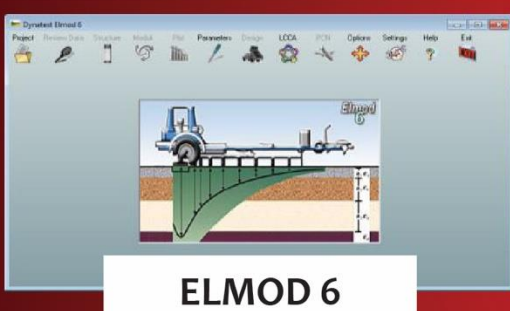


Axle Load Study



Pendulum Skid Resistance

✔ Processing & Analysis Technology



ELMOD 6

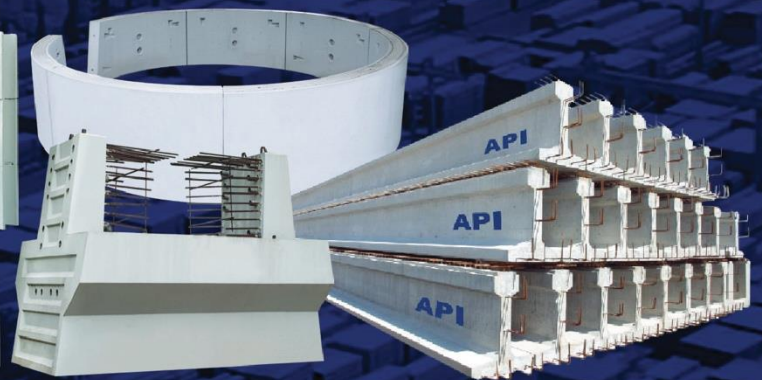


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How can we **structure** tolling to shape the future of traffic?

Implement efficient tolling for optimized traffic flow and revenues for infrastructure through customized solutions from a single source.





ABOUT US

PINTAS UTAMA was established on the 26th of May 1994 and is one of the top Design & Built Contractor in Malaysia with nearly 3 decades of experience expanded steadily to include a full range of construction work such as earthwork, road work, slope work and sewerage. Pintas Utama is responsible for "Projek Penyelenggaraan Cerun Di Jalan Persekutuan Dan Jalan Negeri Semenanjung Malaysia (Reka & Bina) until January 2028. In an attempt to build responsibly, Pintas Utama have implemented green and sustainable technology in constructions.

OUR COMMITMENTS



Efficient Management
To establish efficient slope managementsystem based on corrective andpreventive approach.



Increase Safety
To increase the levels of safety & comfort for the road users.



Guarantee
2 Years Defect Liability Period (DLP) & 5 Years Design Guarantee Bond (DGB)



Systematic Approach
To create a systematic slope monitoring centre.



Emergency Respond
To provide slope emergency respondmanagement.

INNOVATION

Pintas Utama Sdn Bhd and Universiti Malaya (UM) have formalized a collaborative partnership through a Memorandum of Agreement (MoA) signed on January 17, 2023. This collaboration is focused on the joint development of slope monitoring products employing an innovative technique utilizing optical fiber, particularly the FBG Sensor-Based Slope Monitoring System. This advanced system is specifically engineered to detect ground movement and ensure continuous monitoring of slopes, thereby enabling the tracking of any potential subsequent ground movements.



News coverage on MoA signing between Pintas Utama & Universiti Malaya. A series of visits by Pintas Utama & Universiti Malaya to conduct a field study in Blue Valley, Cameron Highland

CONSTRUCTION CAPABILITIES

In Malaysia, heavy rainfall and hilly terrain pose significant challenges. The two major monsoon seasons bring increased risk of soil erosion, landslides, and slope failures. To address these risks, proper slope engineering and design, comprehensive site investigation, slope analysis, and appropriate stabilization techniques are essential for ensuring stability.





Menjadi peneraju dalam bidang pengurusan, pembinaan dan penyelenggaraan jalan dengan penggunaan solusi teknologi terkini.

Penyelenggaraan Jalan



Pembaikan Permukaan Jalan

Pembaikan Bahu Jalan

Pemotongan Rumput

Pembersihan Perabot Jalan

Pembersihan Jalan

Membuat Garisan Jalan

Pembaikan dan Pembersihan Longkang

Pembersihan Jambatan, Jejantas dan Pembetung

Kerja-kerja Kecemasan

Pemasangan Alatan Pengurusan Trafik

Pembersihan Jalan Pasca Bencana

Pengalihan Jalan

Tumpahan Bahan Kimia

Pembersihan Pokok Tumbang

Tanah Runtuh

Kawasan Banjir

Pembersihan Cerun Runtuh



Pemantauan dan Penyeliaan



Rondaan Jalan secara Digital menggunakan Kepintaran Buatan (AI)

Pengurusan Projek

Penyeliaan Kontraktor Rutin

Pemeriksaan Aset (Mandatori)

Kerja-kerja Elektrik



Penyelenggaraan Lampu Isyarat

Penyelenggaraan Lampu Jalan

Kerja-kerja Pembinaan Jalan

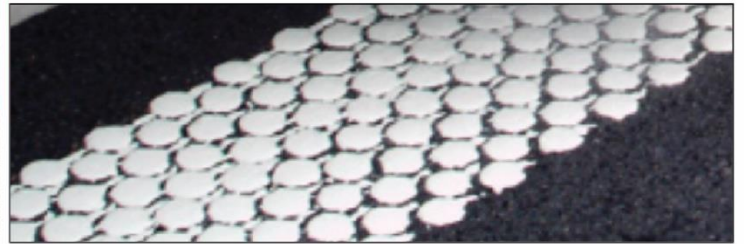


Pembinaan dan Penyelenggaraan Jalan

Penggantian Perabot Jalan

Pembaikan Cerun dan Bahu Jalan

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- RECURRENT RUTTING**
- LANE WIDENING**
- POTHOLE REPAIR**
- MANHOLE REPAIR**
- CRACKS SEALING**
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- BONDS ON ASPHALT & CONCRETE**



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SMT Station



Facade Lighting at Jambatan Seri Wawasan, Putrajaya



LED Display at MP Sepang, Selangor

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- LED Street Lighting
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- LED Façade Lighting
- LED Landscape Lighting
- LED Industrial Lighting
- LED Decorative Lighting
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- LED Display
- Smart City System
- Pole Decorative
- Pole Telecommunication
- Pole Highmast
- Pole Mid-Hinged

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Perfect Pole Sdn Bhd

Established as a local steel engineering company, specialised in HDG pole, telecommunication tower, decorative pole and other steel fabrication works. Our company processes ISO 9001, SIRIM, and is listed in JKR Emal as an approved steel pole vendor.

Max LED Sdn Bhd

Established to venture into LED Display , LED Signages and Traffic light system, To integrate LED with technology. To date, MAXLED has successfully design and built various traffic junctions, LED display and Signages in Malaysia.



Market Segments

- Road (Street Lighting) Traffic Light
- Urban, Facade & Decorative Tunnel
- Industries
- Indoor/Outdoor
- Sport Lighting
- Solar Lighting
- Smart City

Contact Us

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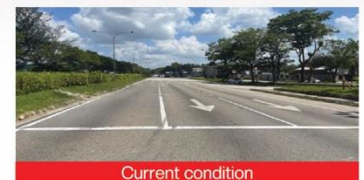
CASE STUDY FOR EFFECTS OF FLOODING

Location: FT 02, Section 333, Kuantan, Pahang

Flood Occurrence : Early 2021, Late 2021



Test results: Higher Tensile Strength Ratio of average 92.6%



Layer	AC14		CRMA	
	TSR1	TSR2	TSR3	TSR (Ave)
AC14	63%	42%	36%	45.2%
CRMA	83%	102%	92%	92.6%



CRMA has a lower moisture susceptibility in comparison to conventional Asphalt Course (AC14) resulting in minimal damage to the pavement after flooding.



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APPS MYJALAN KKR

SALURAN ADUAN DI Hujung JARI ANDA

TERDAPAT 10 KATEGORI ADUAN JALAN RAYA DI DALAM APLIKASI MYJALAN



- Lampu Isyarat
- Lampu Jalan



- Jalan Berlubang
- Jalan Rosak
- Garisan Jalan



- Tanah Runtuh
- Halangan



- Papan Tanda
- Perabot Jalan
- Kemudahan Awam



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