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**17-19 MAY 2023**
Queen Sirikit National Convention Center
Bangkok, Thailand

# Powering a resilient and low carbon energy and mobility future



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# Contents


03 Welcome Message - dmg events Asia Pacific

05 Sponsors & Partners

06 Steering Committee Members

09 Centre Stage Speaker Highlights

13 Centre Stage Programme Highlights

19 Innovation Stage Speaker Highlights

23 Innovation Stage Programme Highlights

28 Exhibitors

30 Sponsors

34 Media Partners

35 Associations

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# Welcome Message



***Marcus Magee***
*Vice President - Asia*
*dmg events*

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Welcome to Bangkok and the Future Mobility Asia Exhibition and Summit 2023 - held under the patronage of Thailand's Deputy Prime Minister, His Excellency Supattanapong Punmeechaow, and officially endorsed by the Ministry of Energy, Thailand.

We are standing at the crossroads of an era marked by increasing urbanisation, environmental concerns, and technological advancements. The growing demand for sustainable transport solutions, the shift towards electric vehicles, and the emergence of autonomous driving technology are transforming the way we approach mobility.

Thailand's position as a global hub for vehicle manufacturing and assembly provides us with a unique perspective on the evolving mobility industry. The thriving automotive sector, which includes a strong presence of multinational automobile manufacturers, has earned the country the nickname "Detroit of Asia." This has equipped the country with valuable insights and experiences in driving the mobility transition, as the world shifts its focus towards electric vehicles, enhanced public transit systems, and the development of intelligent transportation infrastructure.

Addressing these challenges and opportunities, the 2023 Future Mobility Asia Exhibition and Summit, held under the theme "Driving Mobility Transition and Transformation", offers a unique opportunity for stakeholders from around the world to convene, exchange ideas, and collaborate on shaping the future of transportation. Throughout the event, we will explore emerging technologies, innovative business models, and progressive policies that will drive the future mobility landscape.

Thailand is dedicated to playing an active role in the global mobility transformation. The country's commitment to advancing sustainable transportation is evident in our efforts to promote electric vehicles, enhance public transit systems, and support the development of intelligent transportation infrastructure. Over the next three days, through a dedicated strategic "Centre Stage" and "Innovation Stage", we look forward to having you share your experiences, gain valuable insights from peers, and contribute to the global discourse on driving mobility transition and transformation.

Once again, we welcome you to the Future Mobility Asia Exhibition and Summit 2023 to engage in meaningful conversations and forging lasting partnerships.

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Secretary to the Minister of Energy
Ministry of Energy
**COMMITTEE CHAIR**



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Regional President Powertrain Solutions ASEAN
Robert Bosch



**Krzysztof Tokarz**
Manager, Mobility & Automotive
Abeam Consulting



**Augustine Tai**
Business Development Lead – APAC
Eve Air Mobility



**Joachim Bergerhoff**
Team Leader - Sustainable Mobility in Metropolitan Regions (SMMR)
ASEAN-GIZ



**Megat Jalaluddin Megat Hassan**
Chief Strategy & Ventures Officer
TNB



**Jacques Borremans**
Managing Director Asia
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**Prof. Nuksit Noomwongs**
Assistant Professor & Secretary, Smart Mobility Research Center
Chulalongkorn University



**Kelvin Lim**
Group CEO
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**Eileen Ang**
Executive Director
Association of Electronic Industries in Singapores



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Banpu Next Company Limited



**Arjun Raju**
Head of E-Mobility, APAC
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MIH Alliance



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Director of Innovation Foresight Institute
National Innovation Agency



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New City Development, Nebula Corporation
Subsidiary of Magnolia Quality Development Corporation



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**Sorabh Bothra**
CFO
EVLOMO Technologies Co., Ltd.



**Juergen J. Fitschen**
Future Mobility & Marketing
Mercedes-Benz (Thailand) Ltd.



**Vicky Janssens**
General Manager – Southeast Asia
Swiss Foundation for Climate Protection and Carbon Offset (KliK Foundation)

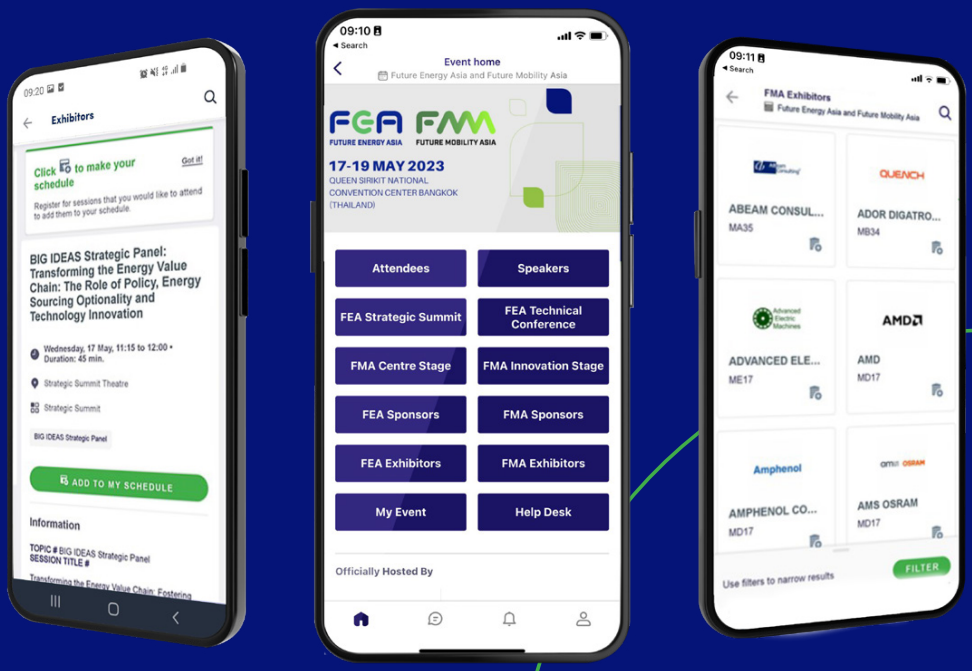


**Kusuma Narupiti** ,
General Manager, External & Government Affairs
Nissan Motor Thailand

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# Centre Stage Speaker HIGHLIGHTS



**Alexander Wachtmeister**
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BCG



**Allen Tom Abraham**
Lead Transport Analyst, India, Southeast Asia and Australia
BloombergNEF



**Alok Jain**
CEO & Managing Director
Trans-Consult Ltd.



**Anna Engblom**
Managing Director – Southeast Asia & Japan
Volvo Trucks



**Anuj Jain**
Strategy & Business Development Leader, AWS Automotive & Manufacturing
Amazon Web Services



**Augustine Tai**
Head of Business Development (APAC)
Eve Air Mobility



**BK Phuah**
Market Director – Southeast Asia & Japan
Volvo Trucks



**Bowen Wang**
Sustainable Transport Specialist
The World Bank



**Calvin Yeo**
Head of Payments Business Development DI (Industries, Auto, Airlines and Logistics) Asia Pacific
J.P. Morgan



**Chanin Khaochan**
Deputy Secretary General
Thailand Board of Investment



**Guillaume Gerondeau**
Vice President Transportation & Mobility Industry Asia
Dassault Systèmes



**Isao Sekiguchi**
President ASEAN
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# Centre Stage Speaker HIGHLIGHTS



**Chee Kiong Goh**
CEO
Charge+



**Wan Ahmad Zam Zam Wan Abd Wahab**
Program Director (PMO Electric Vehicle), Tenaga Nasional Berhad (TNB)



**David Goh**
Head of CRADLE
HYUNDAI CRADLE



**Dennis Ng**
CEO/Founder
Mober



**Desmond Toh**
Head, Singapore Sustainable Battery Solutions, TES – Sustainable Technology Solutions



**Dr Akarin Suwannarat**
Special Assistant to CEO/EVP
Energy Absolute



**Dr Harm Hauke Ross**
Director – Mobility, Aviation & Land-based Transport
KfW IPEX-Bank



**Dr Kriengsak Wongpromrat**
President
Thailand Automotive Institute



**Dr Yu-Tack Kim**
President
TDL Co., Ltd.



**Dr Sara Cheung**
Managing Director
Asia Era One



**Martin Knoss**
Regional President Powertrain Solutions ASEAN
Bosch Automotive Technologies Thailand

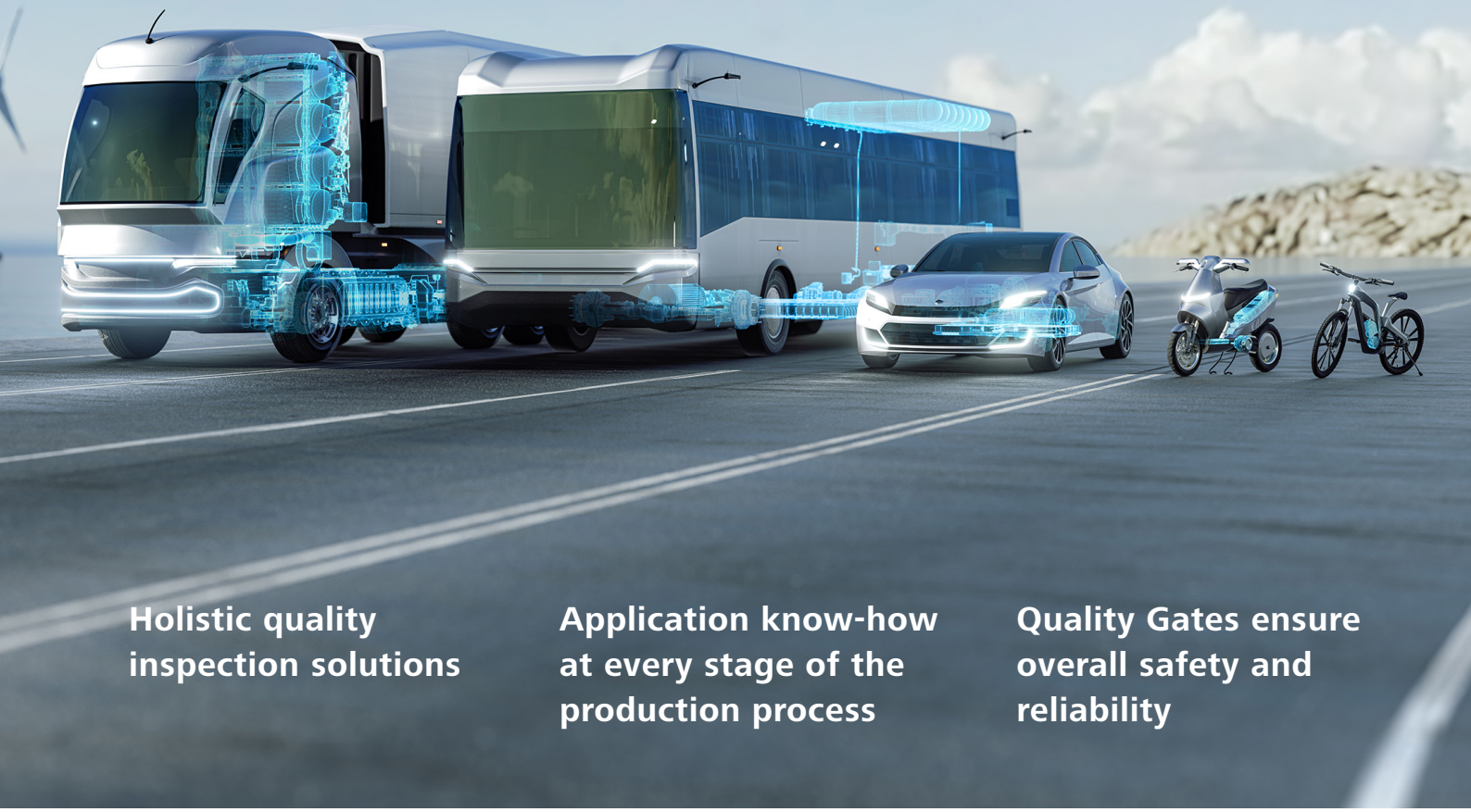


**ST Liew**
VP & President of Southeast Asia, Taiwan, NZ and Australia,
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New energy vehicle development and release are accelerating worldwide. Electric powertrains differ from combustion engine vehicles, and thus, manufacturers and suppliers must reinvent themselves to produce and assemble crucial electric vehicle components. Metrology's shifting accuracy requirements complicate quality assurance in the industry.

ZEISS eMobility Solutions helps you adapt by offering innovative quality assurance solutions to assure reliability, efficiency, and safety in new energy vehicles.

**More at zeiss.ly/fma-23**

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Seeing beyond

## CENTRE STAGE

DAY ONE | 17 MAY 2023

11:00 – 12:00

### LEADERSHIP PANEL

**Navigating Electric Vehicles in APAC**

The transportation sector accounts for 17% of global GHG emissions, and the sector's transition to alternate fuels and electric vehicles will be pivotal for meeting net-zero commitments. Building tomorrow's EV ecosystem will require a radical overhaul of the entire value chain including more investment, favorable regulations and government intervention and incentive.

**ATTENDEE INSIGHTS:**

Hear from industry leaders about the EV opportunity in the APAC region

12:00-13:00

### LEADERSHIP PANEL

**Attracting Investments in Emerging Mobility Technologies**

Driven by autonomous driving, connected cars, electrified vehicles, and smart mobility, investments in the emerging mobility ecosystem have accelerated. New opportunities within the ecosystem have given rise to new technologies including semiconductors, HMI, and sensors. What can technology and mobility companies need do to continue attracting investments within the sector?

**ATTENDEE INSIGHTS:**

Leaders from the mobility ecosystem share insights on investment opportunities and challenges within the mobility ecosystem.

14:00 – 15:00

### LEADERSHIP PANEL

**Supercharging Two & Three Wheelers: Successful Electrification across Asian economies**

For many countries in Asia, two-wheelers are the preferred vehicle choice. Today, gas motorcycles take precedence over electric motorcycles as the former tend to have lower ranges. While the benefits of electrification are wide-ranging, this downside may inhibit EV adoption in locations where two and three-wheeler vehicles are often used for long-distance travel. As countries invest in expanding their charging infrastructure, can battery swapping help overcome this challenge? What opportunities are available for companies, particularly in high potential regions?

**ATTENDEE INSIGHTS:**

Navigate through challenges and opportunities for electrification of two and three wheelers across Asian economies.

15:00 – 15:15

### KEYNOTE

**Empowering the EV Ecosystem**

Thailand has set an ambitious target for electric vehicle (EV) production – 30 percent of total automotive production by 2030. The country is well-positioned to enhance its competitiveness and establish itself as an EV manufacturing hub for Southeast Asia. Technology can play a vital role in addressing some of the biggest challenges OEMs and suppliers face to meet Thailand's aspirations.

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## CENTRE STAGE

**DAY TWO | 18 MAY 2023**

09:00 - 10:00

### LEADERSHIP PANEL

**Fostering Partnerships to Build a Robust EV Charging Infrastructure**

Electric vehicles are a key piece in the decarbonization puzzle. However, the lack of EV charging infrastructure is one of the biggest challenges in accelerating adoption of electric vehicles. For the mobility industry, it is pertinent to ease "range anxiety" amongst potential customers. What are the opportunities of integrating charging into existing building and grid infrastructure? How can incumbents and policymakers forge partnerships and collaboration between countries to enable cross-border EV charging networks? What new business models are needed?

**ATTENDEE INSIGHTS:**

Gain insight into policies, strategies and investments needed to build a robust EV charging infrastructure across borders.

10:00 - 11:00

### LEADERSHIP PANEL

**Multimodal Mobility Hubs & Public Transport of the Future**

As global mobility demand continues to grow, it will be crucial to achieve seamless transitions from one transport mode to another. Mobility hubs in the current transport system are often public transport nodes and park & ride facilities. However, there is an opportunity to do more. Electrifying public transport will significantly reduce their environmental impact, and making public transport safe, convenient, and affordable will be crucial to increasing the uptake in emerging countries. What lessons and best practices can be learnt from cities and regions leading the transformation of mobility hubs & public transport? What financing reforms are required for developing economies?

**ATTENDEE INSIGHTS:**

Learn about mobility hubs of the future.

11:45 - 12:35

### LEADERSHIP PANEL

**Fast Tracking Automotive Production**

Growing urbanization, surge in investment in road infrastructure, and increasing adoption of electric vehicles are expected to drive the demand for automobiles. Growing demand will require fast tracking of production. How can new technologies and materials help manufacturers? What markets are leading and what best practices can be implemented from their experiences?

**ATTENDEE INSIGHTS:**

Understanding the innovations revolutionizing the auto industry.

12:30 - 12:45

### KEYNOTE

**Demystifying Industry 4.0 - The Future of Productivity**

12:45 - 13:00

### KEYNOTE

**Global Trends in Mobility and Growing Demand in EV Charging Infrastructure in Asia**

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CONNECTING THE GLOBAL LNG, GAS & HYDROGEN INDUSTRY

Contact the LNG, Gas and New Energies Team: **lngrenewables@dmgevents.com**

CENTRE STAGE

DAY THREE | 19 MAY 2023

09:00-10:00

**LEADERSHIP PANEL**

**Fleet Charging: Opportunities & Challenges**

Fleet charging networks are essential to Southeast Asia's plans to electrify its public transport and logistics fleets. It also poses a significant opportunity for fleet operators with technologies such as overnight charging, on-route charging, and battery swapping. To realize its potential, fleet owners, operators and utilities will need to partner to implement battery swapping systems for two-wheelers and adapting the power grids for fleet charging.

**ATTENDEE INSIGHTS:**

Learn about strategies to expand the availability of fleet charging networks and thus enhancing EV fleet adoption.

10:00 – 11:00

**LEADERSHIP PANEL**

**Greening Asia's Last Mile Transport & Delivery Fleet**

The carbon footprint of the last mile has long been an environmental and societal challenge. During the pandemic, new consumer behaviours, and retailers' responses to them, changed last mile delivery's carbon footprint, making it more sustainable. With intentional planning, forward looking strategies and investments, the last mile can be made more sustainable and cost effective. What new collaborations and partnerships are needed to make the last mile greener? What role will asset choices, digitalisation, and new business models play in greening Asia's last mile?

**ATTENDEE INSIGHTS:**

Gain insight into last mile operations and pivots needed to make transport and delivery fleet greener and sustainable.

11:00 – 11:15

**KEYNOTE**

**How Startups are Disrupting Mobility and What Large Companies Should Do About It**

11:45 – 12:45

**LEADERSHIP PANEL**

**Seizing the Opportunity to Electrify Asia's Medium & Heavy-Duty Fleet**

Transportation is a major driver of GHG emissions that must be addressed to meet net-zero goals. While significant progress has been made in electrifying light-duty vehicles, electrification of medium and heavy-duty fleet must be accelerated. What are the opportunities to electrify Asia's medium and heavy-duty fleet? What new partnerships and collaborations can be expected to ensure a successful transition? How can new business models such as energy-as-a-service and mobility-as-a-service accelerate adoption of medium and heavy-duty EVs?

**ATTENDEE INSIGHTS:**

Hear from industry leaders on opportunities and progress made in electrifying medium and heavy-duty fleet.

12:45 – 13:00

**KEYNOTE**

**Partnerships and Technologies Accelerating Electric Trucks Adoption in Asia**

13:00-13:15

**KEYNOTE**

**Are You Ready for Software-Defined Vehicles?**

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# Innovation Stage Speaker HIGHLIGHTS

## INNOVATION STAGE



**Ajit Shetty**
Lead, eMobility Business Development, ASEAN
BASF



**Andreas Schneider**
CEO
Electriphy



**Benjamin Low**
VP APAC
Driivz



**Cassandra Little**
CEO
FMBCC



**Chow Wong Yuen**
Head of Country Sustainability Office
UOB



**Deepu Chandran**
Senior Technical Manager
LDRA



**Detlev Reicheneder**
Senior Director, Market & Industry Development | Design & Manufacturing
Autodesk GmbH



**Frank Richter**
CEO
Greenectra OU



**Ganesh More**
Sales Manager – APS India & Middle East
Parker Lord India



**Grace Shen**
Head of OEM Partnerships – Asia
Shell



**Samir Yajnik**
CEO & Executive Director
Electra EV



**Susanne Böhler**
Senior Advisor
Rupprecht Consult

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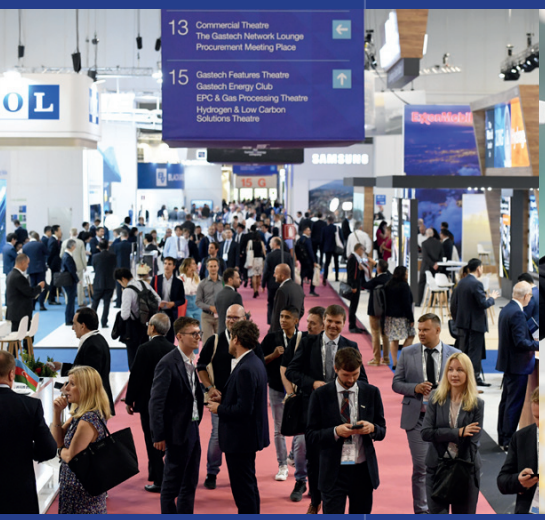
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## INNOVATION STAGE



**Jelani Aliyu**
Director General/CEO, National Automotive Design and Development Council (NADDC), Nigeria



**Joachim Bergerhoff**
Team Leader
SMMR - Sustainable Mobility in Middle Sized Metropolitan Regions



**Jonathan Vargas Ruiz**
Senior Manager (Head of ASEAN Automotive Strategy)
ABeam Consulting



**Jonathan Ziebart**
Group Business Development Director
Ascendal Group



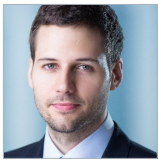
**Joseph George**
AVP Sales
Spoors Technology Solutions



**Kaushik Basu**
Territory Manager ASEAN & Oceania
Envalior



**Markus Lindemann**
Regional Director Laser Division, Sales & Technology
TRUMPF



**Matthias Meienhofer**
Regional Brand Sales Leader SIMULIA
Dassault Systèmes



**Naiyavud Wongkomet**
PhD, Deputy Managing Director
Industrial Electrical Co., Ltd



**Neil Briggs**
Co-Founder & Director of Product Development
Briggs Automotive Company



**Nick Cao**
Sales & Business Development Manager APAC
Wallbox



**San Liauw**
Business Development Manager
Cornerstone EV International

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## INNOVATION STAGE

DAY ONE | 17 MAY 2023

11:00-11:20
**PRESENTATION**
Electrifying the Masses: The Role of Powertrain Localisation in Making EVs Affordable for All

11:40 - 12:00
**PRESENTATION**
Digital and Mobility as a Service (MaaS) led innovation technology

12:20 - 12:40
**PRESENTATION**
BASF – Materialising e-Mobility ambitions

12:40 - 13:00
**PRESENTATION**
Deploying Self-Driving Car with Autoware, an Open-Source Software Platform

14:20 - 14:40
**PRESENTATION**
Sustainable financing for transportation
UOB

14:40 - 15:00
**PRESENTATION**
Innovative V2G business models emerging in Asia

15:00 - 15:20
**PRESENTATION**
Parker Innovative Solutions for Electric Vehicles

15:20 - 15:40
**PRESENTATION**
From Disruption to Resilience: Managing the Shift

16:00 - 16:20
**PRESENTATION**
6 Imperatives of EV Charging Management - Lessons From The World's Largest Implementations

16:20 - 16:40
**PRESENTATION**
Impacts and Challenges for Quality Assurance in New Energy Vehicles

16:40 - 17:00
**PRESENTATION**
The Future of Car Buying: How the Preferences of Gen Z will Impact Car Retail in Southeast Asia

17:00 - 17:20
**PRESENTATION**
Building Applications Effortlessly to Manage Customer Acquisition, Servicing and Operations Instant with EFFORT – A DIY No Code Platform

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## INNOVATION STAGE

**DAY TWO | 18 MAY 2023**

10:00-10:40
**PANEL**
**Driving EV Infrastructure Development in Asia**
The discussion will focus on how grid operators, EV fleets owners and cities are partnering together to make charging more accessible to all.

10:40 – 11:00
**PRESENTATION**
**How to Win in a Fast-Changing Market**
Founded by brothers Neill and Ian Briggs in 2009, the Liverpool based Briggs Automotive Company (BAC) consulted for car brands including Mercedes, Porsche, Bentley and Ford on design and engineering projects. The Briggs brothers decided to expand their creative potential with a product from scratch and in 2011, the first BAC Mono, a street-legal race car, was born.

Today, BAC is recognised as a pioneer of innovation and a world-class automotive design, development, and manufacturing company. It exports to 40 countries and is widely considered as the best driver's car. BAC is accelerating its digital transformation to seamlessly connect, design, development, manufacturing, supply chain management, invoicing, and after-sales product management with data at its core, as it strives to challenge convention and provide the ultimate driving experience on the road and racetrack.
Autodesk is proud to be a technology partner of BAC enabling its success.

11:00 – 11:20
**PRESENTATION**
**Accelerating EV Adoption**

12:40-13:00
**PRESENTATION**
**Making Future Mobility Safer, Lighter and More Sustainable for Society**

14:40 – 15:00
**PRESENTATION**
**Develop your products with our MODSIM approach – higher efficiency, lower complexity**
The term "MOSIM" – short for modelling and simulation, describes an approach to transition from a linear simulation journey across disconnected systems, to an integrated design and simulation loop. This allows for a shorter, more affordable, and overall, more efficient product development process. The key here is a unified and collaborative working space incorporating all domains of physics, powered by 3DEXPERIENCE. Join this presentation to learn more about MODSIM and how you can leverage it for your work.

15:20 – 15:40
**PRESENTATION**
**Green Energy, Better Life**

16:20 – 16:40
**PRESENTATION**
**Eco-smart: the Wallbox smart charging feature that aims for a greener charge & better energy management**

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Contact The LNG, Gas & New Energies Team: **lngrenewables@dmgevents.com**

# Innovation Stage Day 3 HIGHLIGHTS

INNOVATION STAGE

DAY THREE | 19 MAY 2023

10:00 – 10:40
**COUNTRY SPOTLIGHT**
Innovations from the United Kingdom

11:00-11:20
**PRESENTATION**
Accelerating Infrastructure Through OEM Partnerships

12:40-13:00
**PRESENTATION**
S-LEC™ Thermal Control: Creating Uniqueness for EV Cars

13:00-13:20
**PRESENTATION**
Selecting the Right Zero Emission Solution for your City: A Case Study Analysis of Battery Electric and Hydrogen Fuel Cell Deployments in Hong Kong and the UK

14:20-15:00
**COUNTRY SPOTLIGHT**
Policy Formulation, Local Production, EV Charging Infration in Nigeria

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Today, next-generation vehicle manufacturers face new challenges of becoming more efficient, powerful, flexible, reliable, sustainable, and quieter than their competitors. The Dassault Systèmes 3DEXPERIENCE platform delivers innovative applications that support end-to-end digital continuity between the multiple disciplines involved in the car›s conceptual design, embedded systems, and software development. Learn more by visiting our website now.

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ABeam Consulting provides business transformation services that create strategic advantage, improve business processes, leverage technology innovation, and enhance organizational performance for leading multinational and domestic companies worldwide. ABeam partners with clients to diagnose and solve their real challenges with solutions that combine industry and operational best practices with technical expertise. Pragmatic approaches ensure that clients gain measurable value more quickly. Headquartered in Tokyo, ABeam›s 6,900 professionals serve more than 800 clients throughout Asia, the Americas and Europe.

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KILATS provides EV integrated solutions for the adoption of electric motorcycles through its EV ecosystem, that combines the key pillars of design and development within quality EV brand platforms, assembly capabilities, charging and swap networks, as well as on-line and off-line distribution channels. The KILATS ecosystem is collaborative and melds traditional motorcycle players with electric mobility initiatives to enable mass EV motorcycle adoption throughout the key Asia-Pacific markets.

**VinFast**

VinFast - a member of Vingroup – envisioned to drive the movement of global smart electric vehicle revolution. Established in 2017, VinFast owns a state-of-the-art automotive manufacturing complex with globally leading scalability that boasts up to %90 automation in Hai Phong, Vietnam. Strongly committed to the mission for a sustainable future for everyone, VinFast constantly innovates to bring high-quality products, advanced smart services, seamless customer experiences, and pricing strategy to inspire global customers to jointly create a future of smart mobility and a sustainable planet.

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Our regional sustainable financing solutions such as U-Drive, U-Energy and U-Solar, are backed by industry-leading financing frameworks. This simplifies sustainable financing for businesses and betters the lives and livelihoods of our communities.

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Within KfW Group, KfW IPEX-Bank is responsible for project and export finance. It supports German and European companies operating in key industrial sectors by structuring medium and long-term financing for their exports, infrastructure investments, and environmental and climate protection projects worldwide.

As a bank that stands for transformation, it finances technologies of the future to support the transition towards sustainable society globally in all three dimensions economy, environment and society.

KfW IPEX-Bank provides financing for mobility infrastructure projects in Asia as well as financing for mobility assets like buses and other commercially operated vehicles, including e-mobility solutions. It works together with different operators, constructors and other experts to bring forth high expertise to the development of public transport and mobility solutions and support the transition to a greener economy and society of the Asian continent.

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Shell is one of the world's largest mobility retailers with more than 46,000 Shell-branded mobility locations in more than 80 markets. With Shell Recharge being present in more than 25 countries, we are also one of the largest EV charging companies globally in terms of reach.

Every day, around 32 million customers visit our mobility locations for an evolving range of quality fuels, including electric vehicle charging, and convenience and non-fuel products and services. Shell owns or operates around 150,000 charge points globally, including more than 30,000 charge points at Shell forecourts, on-street locations, mobility hubs and destinations like supermarkets. Shell intends to operate more than 500,000 EV charge points worldwide by 2025, and 2.5 million by 2030.

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Founded to drive global manufacturing transformation, the International Centre for Industrial Transformation (INCIT) is an independent, non-government organisation that develops and deploys globally referenced frameworks, tools, concepts and programmes for all manufacturing stakeholders.

Currently, INCIT leverages the Smart Industry Readiness Index (SIRI) to help manufacturers accelerate Industry 4.0 transformation; collaborative innovation platform ManuVate to solve manufacturing challenges; and Consumer Sustainability Industry Readiness Index (COSIRI) to help businesses benchmark their sustainability maturity and boost sustainability efforts. INCIT will also soon be launching the Global Executive Industry Talks (GETIT) platform to foster greater knowledge sharing in manufacturing – with more to come.

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Grab is a leading super app in Southeast Asia, operating across the deliveries, mobility and digital financial services sectors. Serving over 500 cities in eight Southeast Asian countries - Cambodia, Indonesia, Malaysia, Myanmar, the Philippines, Singapore, Thailand and Vietnam - Grab enables millions of people everyday to order food or groceries, send packages, hail a ride or taxi, pay for online purchases or access services such as lending and insurance, all through a single app. Grab was founded in 2012 with the mission to drive Southeast Asia forward by creating economic empowerment for everyone, and strives to serve a triple bottom line: to simultaneously deliver financial performance for its shareholders and have a positive social and environmental impact in Southeast Asia.

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