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STEEL FRAME
CONSTRUCTION

8/21

5TH – 6TH AUGUST 2026 | CAPRI BY FRASER, KUALA LUMPUR, MALAYSIA

Steel Frame Construction

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EVENT PARTNERS

ARCHIBUILD

Archibuild is a bi-monthly B2B digital publication dedicated to the built environment. Published by New Reach Media Pte Ltd in Singapore since 2025, the magazine is the go-to source for building and construction professionals looking for breaking news, industry trends and best practices.

www.facebook.com/archibuildmag/



FOMFEIA

Federation of Malaysian Foundry and Engineering Industries Associations (FOMFEIA) is the national representative body for foundry and engineering related trade and industries in Malaysia. It was established on 7th January 1977 and the membership currently comprises 11 States Associations. Total number of member companies of State Associations has well exceeded 2,000 throughout Malaysia.

www.fomfeia.org.my/



Build Australia is a quarterly magazine dedicated to the Australian construction industry, available in both print and digital formats. It primarily targets builders, architects, and industry organisations, serving as a comprehensive resource for its readers. The magazine offers news and updates with timely information on industry developments, in-depth analysis with detailed exploration of important trends and challenges, and specialised content with tailored articles to meet the needs of construction professionals. With a multi-channel distribution strategy, Build Australia maintains a strong presence in the Australian market while reaching global decision-makers and stakeholders in the construction and architecture sectors.

www.buildaustralia.com.au



The Malaysian Occupational Scaffolding Association (MOSA) is a Non-Government Organisation (NGO) dedicated to promoting the free review of procedures on products and services quality for scaffolding. MOSA boosts awareness on safety, conveys the highest degree of scaffolding competency, and provides advice and training specifically in the scaffolding field.

Mission & Establishment

Founded in 2010.

Our primary goal is to enhance safety standards within the industry.

Activities & Programs

We conduct awareness campaigns and training sessions to ensure safe handling of scaffolding equipment. By collaborating with government bodies, we disseminate regulatory updates to scaffolders.

Advocacy & Information Sharing

We serve as a vital platform for scaffolders, advocating for safety standards and representing their interests. It acts as the collective voice of scaffolders across Malaysia.

mosa-my.com/home/

FOR FURTHER DETAILS, CONTACT
MICHELLE

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FEATURING PRESENTATIONS AND CASE STUDIES BY DISTINGUISHED SPEAKERS



Andre Soh
Market Director (Asia)
Jacobs
Singapore



Kitichai Kunanantakul
Assistant Vice President
Siam Steel International PCL (SIAM)
Thailand



Matt Williams
Managing Director
Unison Modular
Malaysia



Ir. Lim Chern Kuang
Engineering Director
Dexion Group
Malaysia



Eric Kwok
Technical Director
Goldwave Steel Structure Engineering Limited
Hong Kong



Steve Looi Seng Tat
Executive Director
Hitec Metal Sdn Bhd
Malaysia



Margarita Belen Ianne Vito
Engineering and Design Manager
Aboitiz Construction, Inc
Philippines



Sheerin Sithara
Construction Manager (Structural)
TCG Construction Pte Ltd
Singapore



Parameswaran S
Head of Quality & Digitalization
China Harbour Engineering Company Pte Ltd
Singapore



Deckson Ang Chun Sin
Associate Director
AECOM
Singapore



Ir Robeatul Adawiah Osman
Senior Civil and Structure Engineer
Plastic Energy Engineering SEA Sdn Bhd
Malaysia



Ir. Ts. Lee Yuan Jun
Managing Director
BIMora Sdn Bhd
Malaysia



Rehan Ahmed
Principal, Corrosion Engineering
PETRONAS Carigali Sdn. Bhd
Malaysia



Shahferoz Khan
Executive Director & Chief Executive Officer
NK Synergy Sdn Bhd & Khansforge Sdn Bhd
Malaysia



Manoj Prabakar Jayapal
Project Manager (Expedition/off site fabrication)
Gradiant International Holdings Pte Ltd
Singapore



Hafiz Zain Saeed
Associate Structural Design Engineer
Ramboll
Malaysia

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Day Two: Thursday 6th August 2026

0800 Registration & Coffee

0850 Chairperson Welcome Address

0900 Session One

Precision and Accuracy in Steel Frame Assembly Using Computer Numerical Control (CNC) Technology

- How fabrication tolerances directly influence stiffness reliability, connection integrity, and overall frame performance.
- Leveraging BIM-CNC integration to achieve repeatable precision, accelerated erection, and reduced lifecycle risk.
- Comparative alignment of CNC-driven fabrication with AISC, BS/EN and regulatory frameworks, alongside practical insights from Singapore and Malaysia construction practices.

Sheerin Sithara, Construction Manager (Structural)

TCG Construction Pte Ltd, Singapore

0945 Session Two (Topic to be Revised)

Steel Frame Construction Over Tunnels, Utilities, and Underground Corridors

- Design of long-span steel frames to safely transfer loads over tunnels and underground corridors without overstressing existing infrastructure
- Clash-free integration with buried services (water, power, telecoms) through precise modelling, protection measures, and staged construction planning.
- Mitigating settlement, vibration, and access constraints while maintaining safety and operational continuity of underground assets.

Deckson Ang Chun Sin, Associate Director

AECOM, Singapore

1030 Morning Refreshments

1100 Session Three

'LIFE OF A HEAVY LIFTER'

- Large Steelwork Erection,
- Modularization Built
- History and Introduction of Heavy Lifting

Eric Kwok, Technical Director

Goldwave Steel Structure Engineering Limited, Hong Kong

1145 Session Four

Corrosion Control Strategies in Steel Frame Construction for Maximum Durability

- Use of galvanizing, epoxy/polyurethane coatings, and intumescent paints to shield steel from moisture, chemicals, and atmospheric exposure.
- Specifying corrosion-resistant steel grades and designing proper drainage, ventilation, and sealed connections to prevent water traps.
- Implementing routine inspections, condition monitoring, and timely recoating or repairs to extend structural lifespan and performance.

Rehan Ahmed, Principal, Corrosion Engineering

PETRONAS Carigali Sdn. Bhd, Malaysia

1230 Networking Luncheon

1330 Session Five

Long-Span Steel Structures - Next Generation of Modular Buildings

- Exploring innovative long-span steel structures
- Advancing modular construction with demountable connections for smarter, and more efficient building design
- How long-span steel structures enable greater flexibility, sustainability, and architectural freedom.

Hafiz Zain Saeed, Associate Structural Design Engineer
Ramboll, Malaysia

1415 Session Six (Topic to be Revised)

Delivering Multimillion-Dollar Steel Frame Construction Projects: From Fabrication to Erection

- End-to-end project coordination: Seamless integration of design, procurement, fabrication, and site erection to ensure schedule and cost control.
- Precision fabrication & quality control: Advanced manufacturing processes, strict QA/QC, and dimensional accuracy to minimise rework and delays.
- Efficient logistics & erection planning: Optimised transport, sequencing, and lifting strategies to accelerate installation and enhance site safety.

Shahferoz Khan, Executive Director & Chief Executive Officer
NK Synergy Sdn Bhd & Khansforge Sdn Bhd, Malaysia

1500 Afternoon Refreshments

1530 Session Seven

BIM-Enabled Steel Construction: Connecting Models, Quantities, and Site Execution

- How BIM data can be transformed from design information into actionable insights for planning, coordination, and on-site decision-making.
- Demonstrating how project information from quantities, emails, reports, and site updates can be structured and linked to the BIM model for better visibility and coordination.
- Exploring how structured BIM data and digital tools can support more informed decisions, reduce coordination issues, and improve construction efficiency.

Ir. Ts. Lee Yuan Jun, Managing Director

BIMora Sdn Bhd, Malaysia

1615 Session Eight

Designing Modular Steel Structures for Industrial Plant Projects: A Practical EPC Approach

- Introduction & Why Modular Steel
- Practical Modular Steel Design Approach
- Engineering-Construction Integration

Ir Robeatul Adawiah Osman, Senior Civil and Structure Engineer
Plastic Energy Engineering SEA Sdn Bhd, Malaysia

1700 End of Conference