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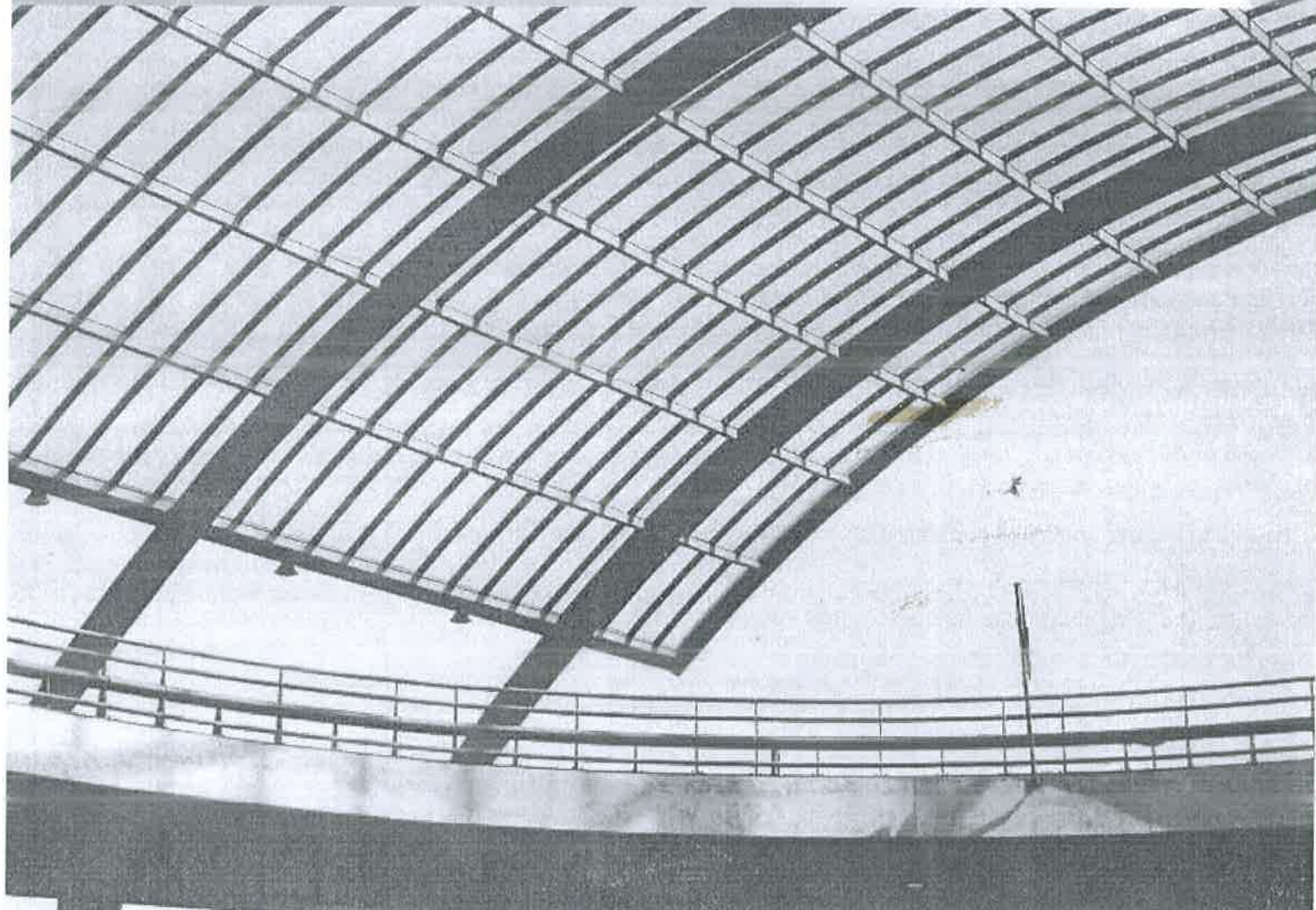
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STEEL FRAME CONSTRUCTION

522 (PT)
TO

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



EVENT OVERVIEW

Steel frame construction is rapidly gaining traction as the preferred choice across commercial, industrial, and even residential sectors driven by its unmatched speed, structural strength, and sustainability benefits. According to recent report by SNS Insider, the global structural steel market is projected to reach USD 169.60 billion by 2032, growing at a CAGR of 4.95% from 2024 to 2032. In the Asia-Pacific region in particular, accelerating urbanization and infrastructure investment are fuelling demand, especially for high-rise buildings and logistics hubs where steel delivers exceptional load-bearing performance and construction efficiency.

Concurrently, technological innovation is transforming how steel frames are designed, fabricated, and assembled. The integration of Building Information Modelling (BIM), 3D printing, and prefabrication has significantly streamlined construction workflows—reducing waste, improving accuracy, and cutting timelines. In fact, the Steel Construction Institute and McKinsey & Company report that steel-based projects, especially those using modular or prefabricated systems, can achieve 20% to 40% faster completion, enabling quicker project delivery and earlier returns on investment. In Malaysia, steel framing adoption is supported through the Industrialised Building System (IBS) initiative led by CIDB to boost productivity and reduce labour dependency. While IBS adoption currently averages around 33–36% across public and private projects, the prefabricated construction sector is projected to grow at over 8% annually, signalling strong momentum for steel-based construction methods.

From a cost perspective, the advantages are equally compelling. The World Steel Association estimates that steel frame buildings can deliver 10% to 15% in overall savings when compared to conventional methods. These cost efficiencies are amplified by leaner labour requirements, with the American Institute of Steel Construction (AISC) highlighting up to 30% reductions in labour costs due to the simplified, repeatable nature of steel assembly processes.

Join us at the **Steel Frame Construction** by **Trueventus** to explore these advancements firsthand and gain the insights needed to stay ahead in a fast-evolving industry. This premier event will bring together leading experts, innovators, and decision-makers to discuss the latest market trends, technologies, and applications reshaping the construction landscape. Don't miss the opportunity to gain the insights and connections you need to deliver steel construction projects that are faster, smarter, and more sustainable.

WHY YOU CANNOT MISS THIS EVENT

- Discovering innovations in BIM, prefabrication, modular systems, and digital fabrication transforming the steel sector
- Analysing precision surveying techniques for steel frame alignment and installation
- Studying design strategies for resilient steel frames in seismic-prone regions
- Discussing best practices for anchor bolt setting and base plate grouting
- Exploring Non-Destructive Testing (NDT) methods for steel structures

WHO SHOULD ATTEND?

C-Suite Executives

- CEOs, CIOs, COOs
- Chief Construction Officers
- Chief Engineering Officers
- Chief Project Delivery Officers

VPs / Directors / Heads / General Managers / Managers of:

- Structural Engineering
- Civil Engineering
- Steel Fabrication & Manufacturing
- Modular & Offsite Construction
- Project Management
- Engineering, Procurement & Construction (EPC)
- Property Development
- Construction Operations
- Site Engineering
- Quantity Surveying
- Drafting & Design
- Architecture
- BIM & Digital Construction
- Procurement & Strategic Sourcing
- On-site Delivery & Assembly
- Infrastructure & Industrial Developer

From the following industries:

- Engineering & Construction Companies
- Steel Manufacturers & Fabricators
- Real Estate Developers
- Modular & Offsite Construction Specialists
- Architecture & Design Firms
- EPC Contractors
- BIM and Construction Technology Providers
- Building Materials Suppliers
- Government & Regulatory Bodies
- Project Management Consultancies
- Property & Real Estate Consultants
- Infrastructure & Transport Authorities
- Logistics & Delivery Partners
- Sectors investing in steel frame solutions: Healthcare, Education, Hospitality, Retail, Industrial Parks

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



MALAYSIAN OCCUPATIONAL SCAFFOLDING ASSOCIATION

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/

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ARCHILAB

Archilab is an international standard publication where we indulge in, on the best architectural structure, building and iconic landscape the world has to offer. It is a platform where architecture comes to life, with its inspiration, its design story and its poetic charm that shape how people live life today.

www.acg-media.com/mag/archilab/7/

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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



Ir Dr Mohamed Mubarak
Director
Perunding JPT 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

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Day One: Wednesday 5th August 2026

0800 Registration & Coffee

0850 Opening Keynote Address

0900 Session One

Steel framed Volumetric Modular Construction

- Design efficiency and manufacturing integration using BIM software.
- Compliance requirements and inspections especially for high seismic and wind load regions.
- Design challenges for logistics and installation of steel framed modules.

Matt Williams, Managing Director

Unison Modular, Malaysia

0945 Session Two

Cold-Formed Steel for Tall Structures

- Although cold-formed steel sections are typically under 3 mm thick and often considered suitable only for low-rise structures, advanced engineering has enabled systems reaching 60 m in height in high seismic regions (Zone 4) while supporting substantial structural loads.
- Precision-controlled manufacturing ensures consistent section properties and engineered connections, delivering predictable seismic and heavy-load performance, while modular fabrication allows components to fit within standard 11-metre containers for efficient global transport and erection.
- A "design once, fabricate locally" strategy enables adaptation to regional seismic and construction codes while supporting scalable, cost-efficient deployment worldwide.

Ir. Lim Chern Kuang, Engineering Director

Dexion Group, Malaysia

0930 The Speed Networking - The Mad Minutes!

Fun and fast, this networking activity is a great opportunity to grow your connections.

105 Morning Refreshments

130 Session Three

Lean Construction Techniques in Steel Construction

- Lean construction reduces delays, excess materials, and rework in steel projects by streamlining workflows and focusing only on value-adding activities.
- Tools like modular steel assemblies, digital planning (BIM), and synchronized deliveries help improve precision, reduce site clutter, and shorten schedules.
- Methods like the Last Planner System and Pull Planning foster better coordination among designers, fabricators, and site teams, leading to safer, faster, and more predictable project outcomes.

Margarita Belen Ianne Vito, Engineering and Design Manager

Aboitiz Construction, Inc, Philippines

15 Session Four

Material Certification and Mill Test Reports (MTRs): Ensuring Compliance and Integrity

- Verification of Material Properties
- Compliance with Industry Standards
- Traceability and Quality Assurance

Ramon Angelo Ortiz, Branch Manager - Philippine Office

BMB Steel, Philippines

0 Networking Luncheon

1400 Session Five

QA/QC of Steel Structures: Testing, NDT and Non-NDT Methods

- QA/QC ensures that all stages—from material procurement to fabrication and erection—adhere to specified standards and project requirements.
- Methods such as ultrasonic testing, radiographic testing, magnetic particle inspection, and dye penetrant testing detect internal and surface defects without damaging the steel.

- Tensile, bend, and impact tests are conducted on sample materials or weld coupons to verify mechanical strength and ductility under load.

Parameswaran S, Head of Quality & Digitalization

China Harbour Engineering Company Pte Ltd, Singapore

1445 Session Six

Case study of Steel-Frame Prefabricated Bathroom Unit (PBU) in Thailand

- Steel Frame PBU development by Siam Steel International PCL
- An introduction period of PBU in Thailand's real estate development projects
- Current situation and the future of PBU in Thailand

Kitichai Kunanantakul, Assistant Vice President

Siam Steel International PCL (SIAM), Thailand

1530 Afternoon Refreshments

1600 Session Seven

Driving CFS Market Success: Supporting Early-Stage Construction Planning Integration

- Communication and coordination during early-stage planning for LCF and CFS in North America.
- Stakeholder engagement strategies for steel specification.
- The role of the integrator for localization strategies.

Andre Soh, Market Director (Asia)

Jacobs, Singapore

1645 Session Eight

Advanced Vibration Control Strategies via Design Optimization, Damping Systems, and Occupant Comfort Standards

- Applies advanced structural design optimization to reduce vibration level structures, improving dynamic performance under service loads.
- Utilizes finite element analysis and dynamic simulations to predict and mitigate vibration issues during the early design phase.
- Conducts analytical and experimental assessments to ensure compliance with international occupant comfort standards, particularly in floor and high-rise building applications.

Speaker to be Advised

1730 End of Day One

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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

1400 Session Five (Topic to be Revised)

Planning Schedule and Material Control in steel construction with large land and complex building design variables

- Utilizes advanced planning tools (e.g., Primavera, MS Project) to align steel fabrication, delivery, and erection with site readiness and design milestones
- Complex geometries and evolving design variables require dynamic material take-offs and just-in-time procurement to avoid shortages or excess
- Large land areas are divided into manageable zones or grids, allowing phased execution and optimized use of cranes, labour, and resources

Ir Dr Mohamed Mubarak, Director
Perunding JPT Sdn Bhd, Malaysia

1445 Session Six (Topic to be Revised)

BIM-Enabled Steel Frame Construction: From Analysis to Erection

- Leveraging BIM for accurate 3D modelling, load analysis, connection detailing, and clash detection before fabrication
- Linking BIM models to CNC fabrication, shop drawings, and erection sequencing to improve precision and reduce site errors.
- Using BIM for real-time site coordination, progress tracking, and creating as-built digital twins for long-term maintenance.

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

1530 Afternoon Refreshments

1600 Session Seven

Managing Moisture and Condensation Risks in Lightweight Steel Structures

- Proper placement of vapour barriers, breathable membranes, and continuous insulation to prevent interstitial condensation within wall and roof assemblies.
- Designing connections and junctions to minimise cold bridges that can trigger surface condensation and long-term corrosion.
- Ensuring adequate airflow, drainage detailing, and humidity control during both construction and operation to protect structural integrity.

Speaker to be Advised

1645 Session Eight

Post-Tensioning Techniques in Steel Frames for Long-Span Structures

- Applying post-tensioned cables or rods within steel frames to increase span capability, reduce deflection, and optimise member sizes.
- Introducing pre-stress forces to counteract service loads, control sagging, and improve overall structural performance over time.
- Enabling lighter sections, faster erection, and reduced steel tonnage while maintaining strength and serviceability requirements.

Speaker to be Advised

1730 End of Conference

Steel Frame Construction

5th - 6th August 2026 | Capri by Fraser, Kuala Lumpur, Malaysia



COMPANY DETAILS

Name	Industry
Address	
Postcode	Country
Tel	Fax

ATTENDEE DETAILS

1	Name	Job Title
	Tel	Email
2	Name	Job Title
	Tel	Email
3	Name	Job Title
	Tel	Email
4	Name	Job Title
	Tel	Email
5	Name	Job Title
	Tel	Email

APPROVAL

NB: Signatory must be authorised on behalf of contracting organisation.

Name	Job Title
Email	
Tel	Fax
Authorising Signature	

REGISTRATION FEES

	Corporate
End of March 2026	USD 1995 + 8% SST (Per Delegate)
End of May 2026	USD 2195 + 8% SST (Per Delegate)
End of July 2026	USD 2495 + 8% SST (Per Delegate)
1st August 2026 onwards	USD 2795 + 8% SST (Per Delegate)

All options inclusive of delegate pack, luncheon and refreshments.

PAYMENT METHODS

Payment is due in 5 working days. By Signing and returning this form, you are accepting our terms and conditions.

Bank Transfer

Credit Card

REGISTER NOW

Michelle
 T: +603-2775 0067
 E: michelle@trueventus.com
 Take a Snapshot or Scan and Email us

TERMS & CONDITIONS

- The course fee is inclusive of all event professional materials, refreshment and lunch.
- Upon receipt of the complete registration form, invoice will be issued. Trueventus insist that all payments be made within 5 working days of the invoice being issued. Full payment must be received prior to the event. Companies that have made full payment will be admitted to event. Clients are responsible for their own banking fees and banking fees will not be allowed into the banking office.
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- All Trueventus events are held at either 5 or 1 Star Hotels.
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- All transaction charges, withholding taxes, local taxes or similar charges, where applicable, will be clearly described by partner. Trueventus reserves applicable right to release admission of participants to the extent should invoice amount is not received in full.

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