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STEEL FRAME CONSTRUCTION

5TH — 6TH NOVEMBER 2025 | KUALA LUMPUR, MALAYSIA

Steel Frame Construction

5th - 6th November 2025 | Kuala Lumpur, Malaysia

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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 Modeling (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.

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 Development

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

FOR FURTHER DETAILS, CONTACT

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EVENT PARTNER

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FEATURING PRESENTATIONS AND CASE STUDIES BY DISTINGUISHED SPEAKERS



George Mamuric
President
Steel Drafting Innovations
Philippines



JACK CRUZADO
Principal
FAÇADE OPTION
Philippines



Ramon Angelo Ortiz
Branch Manager – Philippine Office
BMB Steel
Philippines



Eric Kwok
Technical Director
Goldwave Steel Structure Engineering Limited
Hong Kong



Rendy A.S.T.,M.M
Project Manager
Pt Shanghai Hualing Construction Engineering. Co. Ltd
Indonesia



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



Aji Novianto
General Manager Construction
PT. Indonesian Paradise Property Tbk
Indonesia



Troy Felix
President
Mercury Contracting Ltd
Canada



Mark Thomas
Business Development Manager
Mercury Contracting Ltd
Canada



Ir. Arga Sandhi M. S.T
Associate Director
PTTTW
Indonesia



Ozie Hansery Moechlis
CEO
Audie Group
Indonesia



Andre Soh
Market Director (Asia)
Jacobs
Singapore



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



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



Gilang Perkasa
Project Director
Turner & Townsend
Indonesia



Mark Gregory Domens
Vice President - Design
ALT Cladding Inc
Philippines



Shambhavi Kamati
Senior Structural Detailer
Mttj Engineering Sdn Bhd
Malaysia

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Day One: Wednesday 5th November 2025

0800 Registration & Coffee

0850 Chairperson Welcome Address

0900 Session One

Why COMOSYS? A Beginner's Introduction to Its High-End Steel Detailing Capabilities

- COMOSYS combines structural modeling with automatic steel detailing, reducing duplication of effort and ensuring consistency across project stages.
- Offers automated and customizable steel connections, accelerating design processes while maintaining compliance with global standards.
- Features advanced automation for drawing generation, material take-off, and clash detection, significantly cutting down project timelines.

George Mamuric, President

Steel Drafting Innovations, Philippines

0945 Session Two

Seismic-Resilient Steel Structure Design for Data Centers: Strategies for Safety and Continuity

- Data center structural requirements
- Steel structure behavior in seismic events
- Best practices in data center seismic design

Gilang Perkasa, Project Director

Turner & Townsend, Indonesia

1030 The Speed Networking - The Mad Minutes!

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

1105 Morning Refreshments

1130 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

1215 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

1300 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

Modularity, Speed to Construction, and Modern Methodology in Structural Steel Projects

- Structural steel components are fabricated off-site in modules, improving quality control and reducing on-site labour and weather-related delays
- Steel structures allow for rapid assembly due to bolted or welded connections, significantly shortening the project schedule compared to traditional methods
- Use of BIM and parametric modeling streamlines coordination, clash detection, and fabrication accuracy, enhancing overall efficiency and precision

Andre Soh, Market Director (Asia)

Jacobs, Singapore

1530 Afternoon Refreshments

1600 Session Seven (Topic to be Revised)

Optimizing Hybrid Frameworks: Structural and Logistical Coordination Between Steel and Precast Components

- Integrated Structural Design
 - Efficient Sequencing and Assembly
 - Tolerances and Connection Compatibility
- Kitichai Kunanantakul**, Assistant Vice President
Siam Steel International PCL (SIAM), Thailand

1645 Session Eight (Joint Presentation)

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.

Troy Felix, President

Mark Thomas, Business Development Manager

Mercury Contracting Ltd, Canada

1730 End of Day One

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Day Two: Thursday 6th November 2025

0800 **Registration & Coffee**

0850 **Chairperson Welcome Address**

0900 **Session One**

Parametric Digital Fabrication Modelling of Steel Structures in Facade using Rhino and Grasshopper

- Enables real-time modifications of façade geometry, allowing architects and engineers to explore complex steel structures with high precision and flexibility
- Leverages Rhino's 3D modelling strength with Grasshopper's visual scripting to create highly customizable and automated steel design workflows
- Facilitates structural optimization and rationalization of steel components, reducing waste and improving sustainability in fabrication.

JACK CRUZADO, Principal

FAÇADE OPTION, Philippines

0945 **Session Two**

Structural Steel Design in High-Rise Buildings Located in High Seismic Zones

- Structural systems permitted in high seismic zones
- Seismic provisions for structural steel buildings
- Prequalified connections for seismic performance

Ir. Arga Sandhi M. S.T, Associate Director

TTW, Indonesia

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 (Topic to be Revised)**

Managing Moisture and Condensation Risks in Lightweight Steel Structures

- Incorporating thermal breaks and insulation minimizes cold spots in steel framing where condensation commonly forms
- Proper placement and sealing of vapor barriers help prevent moisture ingress into wall and roof assemblies
- Adequate ventilation (e.g., ridge vents, wall cavity airflow) helps disperse moisture buildup and maintain balanced humidity levels

Ozie Hansery Moechlis, CEO

Audie Group, Indonesia

1230 **Networking Luncheon**

1400 **Session Five**

Implementation of Standard Operating Procedures (SOPs) to Quality and Efficiency in Steel Frame Construction

- Enhances construction quality through consistent and standardized work procedures.
- Improves project efficiency by minimizing delays, rework, and miscommunication.
- Strengthens compliance, safety, and accountability across all construction phases.

Aji Novianto, General Manager Construction

PT. Indonesian Paradise Property Tbk, Indonesia

1445 **Session Six**

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

Rendy A.S.T.,M.M, Project Manager

Pt Shanghai Hualing Construction Engineering. Co. Ltd, Indonesia

1530 **Afternoon Refreshments**

1600 **Session Seven (Topic to be Revised)**

Corrosion Control Strategies in Steel Frame Construction for Maximum Durability

- Applying anti-corrosive primers, epoxy coatings, or polyurethane topcoats creates a physical barrier that shields steel from moisture and chemicals
- Hot-dip galvanizing or thermal spray metallizing provides long-lasting sacrificial protection, especially in coastal or industrial environments
- Ensuring proper detailing to avoid water traps and allow air circulation reduces moisture accumulation and corrosion risk at joints and cavities

Mark Gregory Domens, Vice President - Design

ALT Cladding Inc, Philippines

1645 **Session Eight**

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

- What is CNC?
- Types of CNC machines used in steel fabrication.
- The role of the CNC in Precision and Accuracy in Steel Frame.

Shambhavi Kamati, Senior Structural Detailer

Mttj Engineering Sdn Bhd, Malaysia

1730 **End of Conference**

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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 July 2025	USD 1695 + 8% SST (Per Delegate)
End of September 2025	USD 1995 + 8% SST (Per Delegate)
1st November 2025 onwards	USD 2195 + 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

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E: khylsolemnyfumar@trueventus.com

Take a Snapshot or Scan and Email us

TERMS & CONDITIONS

- The course fee is inclusive of the event proceedings, materials, refreshment and lunch.
- Upon receipt of the complete registration form, invoice will be issued. Trueventus request that all payments be made within 5 working days of the invoice being issued. Full payment must be received prior to the event. Only delegates that have made full payment will be admitted to event. Clients are responsible for their own banking fees and banking fees will not be absorbed into the booking price.
- Substitution & cancellations policy. Should the registered delegate is unable to attend, a substitute delegate is welcome at no extra charge. Written notifications of all substitutions is required 5 working days prior to the event. Trueventus contracts carry 100% full liability upon receipt of registration. Non payment does not constitute cancellation. A 100% of cancellation fee will be charged under the terms outlined below: Due to limited event seats, Trueventus agrees to book and confirm the seat for the client upon issuance of invoice. Upon signing of this contract, client agrees that in case of dispute or cancellation of this contract Trueventus will not be for total contract value. If a client does not attend the event without written notification at least 6 working days prior to the event date, he/she will be deemed as no show. A no show at the event still constitutes that the client will have to pay the invoice amount that was issued to them. Trueventus does not provide refunds for cancellations. By signing this contract the client also agrees that if they cancel that Trueventus reserves the right to pursue monies owned via the use of local debt collection agency were the client is situated. Furthermore the client will be held liable for any costs incurred in collection of outstanding monies. When any cancellations are notified in writing to Trueventus 5 working days prior to the event, a credit voucher will be issued for use in future Trueventus events.
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- All Trueventus events are held in a classroom or theater format.
- All Trueventus events are held at either 5 or 4 Star Hotels.
- All payment must be directed to Trueventus in full prior to the event. Any company's participating in National training schemes such as HRDC Scheme and are applying grants you must first pay Trueventus and upon you receiving the grant you will be refunded this amount back. Failure to pay prior to the event can result in your company being blocked from joining the conference.
- All transaction charges, withholding taxes, local taxes, or currency exchange issues will be strictly absorbed by sender. Trueventus reserves absolute right to refuse admission of participant/s to the event should invoice amount is not received in full.



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