

# MODULAR, PREFAB AND CONSTRUCTION TECH SENATE

REINVENTING PRACTICES FOR FASTER, LEANER AND HIGHER  
QUALITY CONSTRUCTION THROUGH CUTTING-EDGE INNOVATIONS

20<sup>TH</sup> - 21<sup>ST</sup> APRIL 2022 | SHERATON GRAND  
LONDON PARK LANE, LONDON



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Reinventing practices for faster, leaner and higher quality construction through cutting-edge innovations

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***“Quality, time and labour concerns make alternatives to traditional construction methods more attractive. The emphasis is on condensing the construction schedule of a project and saving cost.”***

– “Construction Industry Trends,” Construction Dive

## EVENT OVERVIEW

The housing crisis in the UK has been widely acknowledged: home-building rates are just half of the 300,000 required annually and are insufficient to meet accumulated need. The failure to meet these supply levels is partly explained by the challenges that the industry is facing, such as low productivity, labour shortages, lack of collaboration and failure to embrace new technologies. Modern methods of construction (MMC), manufacturing methods that harness digital techniques, Building Information Modelling (BIM) and offsite manufacture have all been widely promoted as solutions to industry challenges, with a particular emphasis on the potential of offsite manufacturing for residential housing.

Construction in general, and housebuilding in particular, will play a vital role in the UK's post-COVID recovery. More can be done within the construction and housebuilding sector to develop a vision of how the uptake of modular methods, offsite manufacturing and MMC will be part of this recovery, and could also help to tackle regional inequalities and address the 'levelling-up agenda'. This will require collection of data on where components are both manufactured and used, in order that the geographies of production can be understood and used to inform decision making about sustainable and responsible procurement.

However, as we have seen there have been issues in delays in the global supply chain, raw materials and increasing shortages in skilled manpower have accelerated the move towards Modular, Precast and Prefabrication. With Opportunities coming into the hot markets such as data centres, logistics, residential and life sciences the catalyst has been set for companies now to embrace the Modular Precast and Prefabrication in the United Kingdom.

**Modular, Prefab & Construction Tech by Trueventus** is aimed to create a premier destination for professionals working across the built environment to gain insights and experience first-hand on the latest innovations and opportunities in modern methods of construction to streamline workflows, improve productivity, expand the scope of projects, expand access to data, enhance collaboration and generate stronger profit margins.

## WHY YOU CANNOT MISS THIS EVENT

- Addressing the causes of the productivity gap in the global construction industry and introducing the right tools and strategies to overcome it
- Exploring innovations to improve processes and workflow to drive efficiency, safety and sustainability of your modular and prefab projects
- Delving into the cutting-edge ideas, processes and systems being developed in the construction industry across single-trade, multi-trade and modular manufacturing processes
- Enhancing collaboration between project stakeholders in from planning and design to improving fabrication efficiency and streamlining logistics and job site operations
- Exploring the latest in construction technology shaping from drones and laser scanning, to robotics and AR, to IoT and automation and how you can leverage them in your business

## WHO SHOULD ATTEND?

This event is targeted but not limited to:

- CEOs, CIOs, & COOs
- Chief Construction Officers
- Chief Manufacturing Officers
- VPs/ Directors/ Heads/ General Managers/ Managers of:
  - Construction
  - Modular Construction
  - Offsite Construction
  - Offsite Manufacturing
  - Operations
  - Project Management
  - Offsite & Prefabrication
  - Civil Engineering
  - Structural Engineering
  - Project Engineering
  - Property Development
  - Quantity Surveying
  - Infrastructure
  - Architecture
  - Drafting Design
  - On-site Delivery
  - Procurement
  - Strategic Sourcing

From the following industries:

- Government entities
- Construction companies
- Real Estate developers
- Contractors
- Building Materials Suppliers
- Building Service Providers
- Technology solution providers
- Design & Architecture firms
- Construction Project Management firms
- Real Estate consultants
- Transportation & Logistics Service Providers
- Other industries involve in new property development, which can benefit from off-site construction, such as Healthcare, Hospitality, Data Centers, Education and Retail

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## CONFERENCE AT GLANCE

### Day One: Wednesday, 20<sup>th</sup> April 2022

**0800** Registration & coffee

**0850** Opening keynote address

**0900** Plenary One

Offsite Construction Technology. Developing economies of Scale

**0940** Plenary Two

The Industrialized Revolution-Shifting from prefabrication To Productization

**1020** Speed networking

**1030** Morning refreshment

**1045** Plenary Three

Digital Design & Delivery: Leveraging a Digital Approach across the project life. Data Collection in Real Time

**1125** Plenary Four

The Future of Modular Architecture

**1205** Plenary Five

Understanding the Various Forms of Volumetric modules for Mixed applications in Modern Build

**1245** Networking luncheon

Stream 1 – Project Management		Stream 2 – Prefab Application	
<b>1400</b>	<b>Session One</b> Improving Supply Chain Agility & Improving Manufacturing. Get Cross Disciplinary integration right	<b>1400</b>	<b>Session One</b> Impact on Prefab execution using Single Trade Assembly and Multi Trade Assemblies
<b>1445</b>	<b>Session Two</b> Data Driven Decision Making. Choosing the right Building Type for Modular Investment	<b>1445</b>	<b>Session Two</b> Assessing the evolution of prefabrication in the Healthcare
<b>1530</b>	<b>Afternoon refreshment</b>	<b>1530</b>	<b>Afternoon refreshment</b>
<b>1600</b>	<b>Session Three</b> Lean Manufacturing. Analyzing lean Manufacturing production for complex facilities	<b>1600</b>	<b>Session Three</b> Increase efficiency of Prefab Structures using Self-Healing Concrete
<b>1645</b>	<b>Session Four</b> Using Simulation applications for project Forecast and production optimization	<b>1645</b>	<b>Session Four</b> Bridging the gap between Project Design and Prefabrication
<b>1730</b>	<b>Session Five</b> Versatility and Flexibility in Prefab Design using CFS (cold formed steel) framing	<b>1730</b>	<b>Session Five</b> Raising Construction Productivity via the use of PPVC precast Technology
<b>1815</b>	<b>End of day one</b>	<b>1815</b>	<b>End of day one</b>

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## Day Two: Thursday 21<sup>st</sup> April 2022

**0830** Registration & coffee

**0900** Plenary One

The Rise of the Subcontractor Manufacturer

**0940** Plenary Two

Implementing IOT into Modular Construction and Prefabrication

**1020** Speed networking

**1030** Morning refreshment

**1045** Plenary Three

R&D Innovations for Modular & Prefab Solutions

**1125** Plenary Four

Advanced BIM Management. Better forecasting and production Optimisation

**1205** Plenary Five

Achieving Modular Construction Automation using BIM based Cloud collaboration

**1245** Networking luncheon

Stream 1 – Project Management	Stream 2 – Prefab Application
<p><b>1400</b> Session One</p> <p>Securitization of Modular - Securing building materials and securing a trainable workforce</p>	<p><b>1400</b> Session One</p> <p>Innovation in Design, Budget and Scheduling leading to effective Prefab application</p>
<p><b>1445</b> Session Two</p> <p>The Value Chain Gain Control via leveraging technologies</p>	<p><b>1445</b> Session Two</p> <p>Prefab Electrical Systems - Overcoming the Challenges</p>
<p><b>1530</b> Afternoon refreshment</p>	<p><b>1530</b> Afternoon refreshment</p>
<p><b>1600</b> Session Three</p> <p>Tapping into the Data in the Project</p>	<p><b>1600</b> Session Three</p> <p>Highlighting the necessity of building envelope unitization within prefabrication</p>
<p><b>1645</b> Session Four</p> <p>Quality Control in the Prefab Construction</p>	<p><b>1645</b> Session Four</p> <p>Designing Prefab-MEP modules to minimize site Disruption</p>
<p><b>1730</b> End of conference</p>	<p><b>1730</b> End of conference</p>

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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	

## COURSE FEES

	Corporate
End of December 2021	£ 995 (Per Person)
End of February 2022	£ 1295 (Per Person)
End of March 2022	£ 1895 (Per Person)
1st of April 2022 onwards	£ 2195 (Per Person)
All options inclusive of delegate pack, luncheon and refreshments.	
LKDM UK-IF357	

## PAYMENT METHODS

Payment is due in 5 working days. By Signing and returning this form, you are accepting our terms and conditions.	
<input type="checkbox"/>	By Cheque
<input type="checkbox"/>	Bank Transfer
<input type="checkbox"/>	Credit Card

## REGISTER NOW

**John Karras**  
T: +603-2775 0067  
E: [johnk@trueventus.com](mailto:johnk@trueventus.com)  
Take a Snapshot or Scan and Email us  
<https://www.linkedin.com/in/john-karras-a454a6a>

## SPONSORSHIP AND EXHIBITION OPPORTUNITIES

Limited packages are available.  
For further details, contact:  
**John Karras**  
T: +603-2775 0067 E: [johnk@trueventus.com](mailto:johnk@trueventus.com)

## 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 5 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 owed 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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- Upon receiving this signed booking form, you the client hereby consent to Trueventus to keep your details for the use of future marketing activities carried out by Trueventus and third party organisations & partners.
- Copyright and Intellectual Property. Any redistribution or reproduction of part or all of the contents in any form in connection to this event is prohibited without prior written consent by Trueventus.
- Client hereby agrees that he/she exclusively authorizes Trueventus charged the credit card with details listed above for the amount provided herein; this registration form serves as a contract that is valid, binding and enforceable. He/she at any time will have no basis to claim that the payments required under this Contract are unauthorized, improper, disputed or in any way. Upon issuance of invoice Trueventus will be charging the client USD 30 processing fee.
- All Trueventus events are held in a classroom or theater format.
- All Trueventus events are held at either 5 or 4 Star Hotels.



