



MODULAR FOR AFFORDABLE HOUSING SYMPOSIUM

22nd - 23rd March 2023 | Pan Pacific Toronto, Canada



All participants will have opportunity to record two minutes impact statement video on affordable housing that will be submitted to the Canadian government

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"Young people aren't facing a housing problem, they're facing a housing crisis."

- Justin Trudeau, Prime Minister of Canada

EVENT OVERVIEW

Canada is facing a housing crisis and the biggest issue is supply. Finance Canada and the Canada Mortgage and Housing Corporation (CMHC) estimate that Canada will need to build at least 3.5 million new homes by 2031. Speaking at the Federation of Canadian Municipalities annual meeting, Prime Minister Justin Trudeau stated the cost of owning a home is inaccessible for most of people in Canada's largest cities, observing it can take 280 months for an average family to save for a deposit in a place like Toronto. The CMHC predicted that average prices in 2023 will be from \$743,000 to \$831,100 and average prices in 2024 will range from \$756,500 to \$867,800.

Affordable housing are urgently needed, particularly for those experiencing or at risk of homelessness. Furthermore, the CMHC recognizes that modular housing could help to address some of the pressures of finding affordable housing. They provided \$1.5 billion fund through the Rapid Housing Initiative to build 6,000 new affordable housing units by 2023. The North America modular construction market is anticipated to grow at a CAGR of 7.5% during 2022-2027 and Canada currently accounts for a 5.1% share in the global market. However, as we have seen there have been issues in delays in the supply chain process, raw materials and increasing shortages in skilled manpower have held the move towards modular construction.

With the urgency of building affordable housing, **Modular for Affordable Housing by Trueventus** is aimed to create a premier destination for construction industry professionals 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. Also, understanding emerging construction technologies that are becoming increasingly leveraged to aid the design and development of modular construction.

WHY YOU CANNOT MISS THIS EVENT

- Is modular construction the solution for affordable housing?
- Learn how to enhance the prefab buildings design with an architectural approach
- Develop the right digital manufacturing line for precast modules
- Increase the efficiencies of modular construction with integrated supply chain system
- Enhancing collaboration between project stakeholders in from planning and design to improving fabrication efficiency and streamlining logistics and job site operations
- Exploring the applications mass engineered timber for sustainable construction

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:

- o Construction
- o Modular Construction
- o Offsite Construction
- o Offsite Manufacturing
- o Operations
- o Project Management
- o EPC
- o Offsite & Prefabrication
- o Civil Engineering
- o Structural Engineering
- o Project Engineering
- o Property Development
- o Quantity Surveying
- o Infrastructure
- o Drafting Design
- o Architecture
- o Drafting Design
- o On-site Delivery
- o Procurement
- o 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, Education

FOR FURTHER DETAILS, CONTACT

JOHN KARRAS

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ENDORSEMENT

**AFFORDABLE
HOUSING for ALL**

“Affordable Housing For All” is an NGO/NFP organization created to develop real world innovative actionable solutions for constructing truly affordable housing. We work together with individuals, families, and innovative companies to provide tangible – real world – solutions.

Together with people, builders, and governments alike we are pulling together the latest in innovative construction & manufacturing technology to build the, so desperately needed, new affordable housing stock quickly.

<https://ahfa.ca/>

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FEATURING PRESENTATION AND CASE STUDIES BY DISTINGUISHED SPEAKERS



Mathieu Fleury
City Councillor
City of Ottawa
Ontario, Canada



Steven Haylestrom
President COO
**The Modular Solution/
Rise Up Modular**
Toronto, Canada



Yaroslav Stetsenko
VectorBloc System Design Lead
Zekelman Industries
Toronto, Canada



Eisa Lee, OAA
Director of Design & Engineering
BECC Modular
Mississauga, Canada



Rick Welch
Strategic Sales Director, Social &
Affordable Housing Programs
**NRB Modular Solutions, part of
Dexterra Group**
Kamloops, Canada



Xavier Toby
Senior Director of
Operations Ontario
Nomodic,
Toronto, Canada



Enoch Tse, PhD, P.Eng.
Adjunct Faculty
Adler University
Toronto, Canada



Robert Seaman
President & CEO
NexGen Wood Protection
Vancouver, Canada



Mana Moghadam, PhD, PMP[®]
Director of Operations
Freepport Industries Ltd.
Westbank, Canada



Julian Bowron
CTO METALQ, Inventor in
Residence, Feature Walters
METALQ
Toronto, Canada



Daniel Dicaire
Manager of Conservation
and Sustainability
**Ottawa Community
Housing Corporation (OCH)**
Ottawa, Canada



Gilbert Trudeau
President
RCM Modular Solutions Group
Quebec, Canada



Hussam Kneifati
Senior VDC Manager - GTA & London
EllisDon Corp.
Toronto, Canada



Steve Glenn
CEO
Plant Prefab
California, USA



Shawn Stevenson
Director, Affordable Housing
Timanaska Development Corp
Prince Albert, Canada



Cynthia Ene
Director
Illu Inc.
Vancouver, Canada



Brian J Hall
Managing Director
**Canadian Precast/Prestressed
Concrete Institute**
Toronto, Canada



David Warne, OAA
Principal Architect
Skyhook Modular Architects
Toronto, Canada



Harv Sidhu
Founder
BuildSmartr Inc.
Vancouver, Canada



Gilbert Meier
Chief Executive Officer
VEGO Building Systems
USA

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22nd - 23rd March 2023 | Pan Pacific Toronto, Canada



Day One: Wednesday 22nd March 2023

0800 Registration & coffee

0850 Opening keynote address

0900 Session One

Fast tracking projects - how to build/complete projects at the speed of need

- Fast tracking projects - how to build/complete projects at the speed of need

Steven Haylestrom, President COO

The Modular Solution/Rise Up Modular, Toronto, Canada

0940 Session Two (Panel Session)

Devising public finance models to invest in modular applications for residential improvement

Mathieu Fleury, City Councillor

City of Ottawa, Ontario, Canada

1020 Morning refreshment

1050 Session Three

New Tech Age: Prefabricated modular construction for timely delivery and reduced cost

- Developing/preparing the site and constructing the building concurrently
- The avoidance of unexpected costs during the process
- Increasing the overall building quality in a number of ways

Rick Welch, Strategic Sales Director, Social & Affordable Housing Programs

NRB Modular Solutions, part of Dexterra Group, Kamloops, Canada

1130 Session Four

Turning the home into a manufacturable product

- Breaking the cycle of custom design in homebuilding to gain efficiencies and drive down costs
- The keys to design for manufacturing in residential construction
- Merging an assembly line manufacturing process to homebuilding

Mana Moghadam, PhD, PMP, Director of Operations

Freeport Industries Ltd., Westbank, Canada

1210 Session Five

Why Aren't More Developers Using Multi-Trade Prefabrication?

- What do developers really want?
- Examining the gap between prefabrication promises and reality
- Developers and clients having success

Xavier Toby, Senior Director of Operations – Ontario
Nomadic, Toronto, Canada

1250 Networking luncheon

1400 Session Six

Optimized Modular Construction Using Pre-Engineered Steel-Framing

- Predictability of construction programme (i.e. low risk of over-runs)
- Earlier return on investment to the clients
- Reduced site preliminaries including hire of site huts and other facilities, etc

Julian Bowron, CTO METALQQ, Inventor in Residence, Feature Walters

METALQQ, Toronto, Canada

1440 Session Seven

Promoting modular construction and prefabrication as the efficient form of mass-producing affordable housing

- Opportunity and challenges with urban infill development
- Opportunity and challenges with existing prefabrication systems
- Advantages of a hybrid prefab approach

Steve Glenn, CEO

Plant Prefab, California, USA

1520 Afternoon refreshment

1550 Session Eight

Accelerating the process of manufacturing by implementing DfMA in pre-fabrication stage

- Combine DfMA with parametric design of BIM software
- Explore and develop component creation
- Constantly improve DfMA-oriented parametric design according to its actual use

Gilbert Trudeau, President

RCM Modular Solutions Group, Quebec, Canada

1630 Session Nine (Panel Session)

Meeting the Net Zero Housing Challenge: Leveraging green and sustainable technology in energy-efficient affordable housing

Panellists:

Robert Seaman, President & CEO, **NexGen Wood Protection, Vancouver, Canada**

Enoch Tse, PhD, P.Eng., Adjunct Faculty, **Adler University, Toronto, Canada**

Daniel Dicaire, Manager of Conservation and Sustainability
Ottawa Community Housing Corporation (OCH) Ottawa, Canada

1710 Session Ten (Panel Session)

Examining current housing policy to tackle housing crisis in Canada

Mathieu Fleury, City Councillor

City of Ottawa, Ontario, Canada

1750 End of day one

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Day Two: Thursday 23rd March 2023

0800 **Registration & coffee**

0850 **Opening keynote address**

0900 **Session One**

A Streamlined Affordable Housing Process: Minimizing risk through data-driven decisions

- How to use data to drive decision making across the planning and operational processes
- The utilization of data for marketing to investors and customers
- The use of data in construction and how its modernizing the construction industry

Shawn Stevenson, Director, Affordable Housing, Timanaska Development Corp
Prince Albert, Canada

0940 **Session Two**

Modular and Conventional Construction BIM Services

- Engage the design team, owner and subcontractors to complete modular units coordination in the design phase in connection and alignment with conventional scope
- Understand how BIM plays an important role in early decision making, collaboration, and coordination of multiple trades and on several platforms
- Understand the potential cost savings and productivity increase when implementing this modular approach

Hussam Kneifati, Senior VDC Manager - GTA & London
EllisDon Corp., Toronto, Canada

1020 **Morning refreshment**

1050 **Session Three**

How to design outside the box with a box: is design a luxury for affordable housing

- What the typical image of modular construction and affordable housing is to the public and the industry
- What the similarities are between the two that overlap: AFFORDABILITY, RIGIDITY, PLAIN, TIME
- How can we as designers and builders provide a functional yet beautiful living spaces with seamless delivery through modular construction

Eisa Lee, OAA, Director of Design & Engineering
BECC Modular, Mississauga, Canada

1130 **Session Four**

Modular Architecture: Vertical Integration and Product Development

- Learn what industry limitations to growth can be addressed by design & standardization
- Case study on the Fuze residential product line & continuing optimization strategies
- Vertical integration, automation & software development- ideas on industry growth

David Warne, OAA, Principal Architect,
Skyhook Modular Architects, Toronto, Canada
VP Architecture and Design,
Z Modular Inc, Chicago, Illinois, USA

1210 **Session Five (Panel Session)**

Expanding modular construction and prefabrication as the standardization of mass-producing affordable housing

Panelists:

Xavier Toby, Senior Director of Operations – Ontario
Nomodic, Toronto, Canada
Brian J Hall, Managing Director,
Canadian Precast/Prestressed Concrete Institute, Toronto, Canada
Cynthia Ene, Director
Illu Inc., Vancouver, Canada

1250 **Networking luncheon**

1400 **Session Six**

Talent development for BIM designers and engineers in the Modular Construction industry

- Talent development for BIM designers and engineers in the Modular Construction industry

Yaroslav Stetsenko, VectorBloc System Design Lead
Zekelman Industries, Toronto, Canada

1440 **Session Seven**

Using Modular Technology for Affordable Housing

- Challenges and lessons to building in the Arctic Climate
- The Pro's and Con's of building with modules
- Strategies to building envelope and incorporating renewables

Cynthia Ene, Director

Illu Inc., Vancouver, Canada

1520 **Afternoon refreshment**

1550 **Session Eight**

Discovering the solution in modular construction to affordable housing

- Understanding the demand drivers and demographics for affordable housing
- How can modular housing improve affordability and meet housing need
- Dealing with barriers and taking the opportunities

Gilbert Meier, Chief Executive Officer

VEGO Building Systems, USA

1630 **Session Nine**

Utilizing Data to Increase Efficiency of both Product and Process

- Conserving Energy through building envelope efficiency
- Utilizing production floor data to optimize efficiency of process
- Using Economy of Scale, Operational costs, and efficiency of operations to reduce cost on high performance modular homes

Harv Sidhu, Founder

BuildSmartr Inc., Vancouver, Canada

1710 **Session Ten (Panel Session)**

Modular Home Templates: Manufacturing consistent innovative housing design

Panelists:

Yaroslav Stetsenko, VectorBloc System Design Lead
Zekelman Industries, Toronto, Canada
Eisa Lee, OAA, Director of Design & Engineering
BECC Modular, Mississauga, Canada
David Warne, OAA, Principal Architect
Skyhook Modular Architects, Toronto, Canada

1750 **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	

COURSE FEES

	Corporate
NGOs	CAD 1295 (Per Delegate)
End of August 2022	CAD 1995 (Per Delegate)
End of September 2022	CAD 2495 (Per Delegate)
1st January 2023 onwards	CAD 2995 (Per Delegate)

All options inclusive of delegate pack, luncheon and refreshments.

LKDM CA-IF368

PAYMENT METHODS

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

By Cheque
 Bank Transfer
 Credit Card

REGISTER NOW

John Karras
T: +603-2775 0067
E: 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

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 be 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.
- Trueventus will at all times seek to ensure that all efforts are made to adhere to meet the advertised package, however we reserve the right to postpone, cancel or move a venue without penalty or refunds. Trueventus is not liable for any losses or damages as a result of substitution, alteration, postponement or cancellation of speakers and / or topics and / or venue and / or the event dates. If force majeure were to occur Trueventus accepts no responsibility or liability for any loss or damage caused by events beyond their control, including but not restricted to strikes, war, civil unrest, flight delays, fire flood, or any adverse weather conditions. Trueventus is not liable in the event that a participant is exposed or is infected by Covid 19. Trueventus under no circumstances is liable for any other costs that might have been incurred in the attendance of the event, including but not limited to flights, accommodation, transfers, meals etc. Trueventus reserves the right to replace / change speakers in the best interest of the conference.
- 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.



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