

WoodTALKS™

STUDIO

LIVE WEBINAR AND LUNCH & LEARN SEMINARS 2022-2023



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Advanced Timber Manufacturing

1 LEARNING HOUR | AIBC 1 CORE LU | AIA 1 LU | BC HOUSING 1 CPD, INFORMAL

Description:

How can an integrated approach to architecture and manufacturing capitalize on convergent technologies and position Advanced Timber at the forefront of the construction industry in North America? Fraught with labor inefficiency, material waste, and environmental impacts, the construction industry is on the cusp of significant change which will forever alter the way buildings are constructed. Stemming from Europe, Advanced Timber Manufacturing applies a forward-thinking approach to the built environment which disrupts the status quo, increases the cost-effectiveness of construction, and responds to environmental targets of the 21st century. Uniquely positioned to facilitate the growth of Advanced Timber construction in North America, this seminar looks at a B.C. manufacturers' threefold approach: practicing fabrication-centric integrated project delivery strategies, forming strategic industry alliances, and increasing capacity and complexity in the material supply chain.

As off-site digital fabrication is integral to the Advanced Timber industry, early manufacturer engagement is crucial to project success as it enables an informed design process and efficient project execution. Responding to the inefficiency and duplication of work associated with conventional project delivery practices, strategic industry connections can facilitate the integration of traditionally isolated scopes of work. Ground-breaking developments within the material supply chain—including a large-scale investment in free-form fabrication and North America's most sophisticated CLT and Glulam fabrication plant located in B.C.—are enabling the growth of Advanced Timber through a sustainable approach to inspired architecture.

[This session will be presented by industry professionals from Spearhead.](#)

Learning Objectives:

1. Understand how a fabrication-centric integrated project delivery strategy can enable informed design decisions and efficient project execution.
2. Establish how strategic industry connections can facilitate the integration of traditionally isolated scopes of work.
3. Recognize the benefits of a vertically integrated material supply chain and the significance of North America's most sophisticated CLT and Glulam Fabrication plant.
4. Discover the architectural opportunities associated with the emergence of free-form fabrication capabilities in North America.