Optimizing Off-site Fabrication Practices for High Performance Construction

Solana: image courtesy of Vidorra Developments

DATE: Thursday, March 14, 2019
LOCATION: Dudoc Vancouver, Walas Innovation Centre, 1489 Frances Street, Vancouver

Registration Open: 3:30pm | Welcome and Presentations: 4:00pm
Networking and Reception-style Dinner: 6pm | Presentations Resume: 7pm | Conclusion: 8:15pm

Is all optimization created equal? Perhaps not. While off-site construction continues to surge, prefabrication practices may provide only modest improvements in real productivity and value. Demands on construction in the 21st century are accelerating faster than at any time in the sector's history, while expectations on costs, performance and timeliness continue to rise. With declining numbers of skilled construction workers, a transformative change is needed to meet the rising demands.

This **education and networking event**, which includes a stand-up reception-style dinner, brings together three experts – a manufacturer, a contractor and an architect/inventor – each of whom has delivered innovative and sustainable projects. The speakers will highlight how incorporating pre-fabricated elements can enhance speed, reduce cost and deliver improved building performance. But there's more to prefabrication than just moving indoors, as European practitioners have discovered. **This is an essential event that will elevate conventional construction knowledge and practice.**

Lucas Epp, P. Eng at StructureCraft will highlight how various types of mass timber can deliver efficiencies on site. **Rod Nadeau with Innovation Building** will present 35 energy conservation measures for contractors which he implemented on a multi-family residential project in Whistler to deliver a high-performance building at a conventional code cost. Finally, **Mikko Viljakainen, managing director at PUU Info** in Finland will showcase some of the optimization practices in use in Finland to address many of the same issues we face in Canada – trade shortages, increasing costs, speed of construction and high-performance expectations.

Join us for this enlightening and informative evening with these experts who will share their experiences and vision for the construction sector and deliver practical ideas and knowledge to your design and building practice.

Who should attend: This program is designed for large and small contractors, multi-family residential homebuilders, developers, project managers and suppliers to the construction sector.

Organized and hosted by

woodWORKS! Program of the Canadian Wood Council

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Registration Fees:
ICBA and VRCA Members -- $59*+gst*
Regular Registration -- $79*+gst*
Registration Deadline: *Friday, March 8th*
www.wood-works.ca/bc

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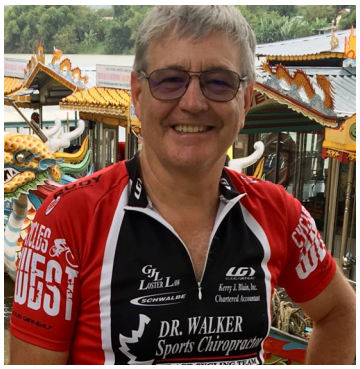
Eligible for 3 continuing education hours

Optimizing Off-site Fabrication Practices for High Performance Construction

THREE diverse perspectives in building and design | ONE essential education and networking event

The Presenters:



Rod Nadeau is one of the principals of Vidorra Developments and has worked in the development and construction industry since 1979. He has a Bachelor of Business Administration and Accounting from Concordia University. He is the founding president of the Sea to Sky Chapter of the CHBA, has been involved in the R2000 program, building several demonstration homes including an EnviroHome and an R2000 MURB in 2003, and is a member of the BC CHBA team that developed Built Green BC. Rod oversees all the design and construction details and consultants to produce the high-performance standards for which the company is known.

Lucas Epp, P. Eng., is a structural engineer with more than 12 years of experience working in Canada, the UK, and New Zealand. During his studies at UBC, he spent several years working for StructureCraft, where he was responsible for modelling several large-scale timber projects including the Richmond Speed Skating Oval timber roof structure. Lucas' expertise with complex geometry and challenging structures has led him to be involved in projects where the intimate interaction of architecture and structure is critical to the success of the project. He is passionate about timber engineering and has built a team at StructureCraft of 10 timber engineers hailing from around the world.

Mikko Viljakainen has advanced degrees in architecture (1992) and licentiate in technology (1997). Since 2010 Mikko has been managing director of the Finnish Wood Council, the national wood promotion organization. He is also editor-in-chief of the wood architecture magazine, PUU. He is an award-winning designer, and has been a research scientist, a teacher, a project manager, and director and managing director in woodworking industry associations. He has extensive experience in the woodworking and construction industry organizations and has written some 15 publications about use of wood in construction. He is married, has two children and lives in Helsinki.

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