



MASS TIMBER INSTITUTE

News From MTI

Hello Mass Timber Colleagues,

Hopefully you are all staying healthy during this challenging time.

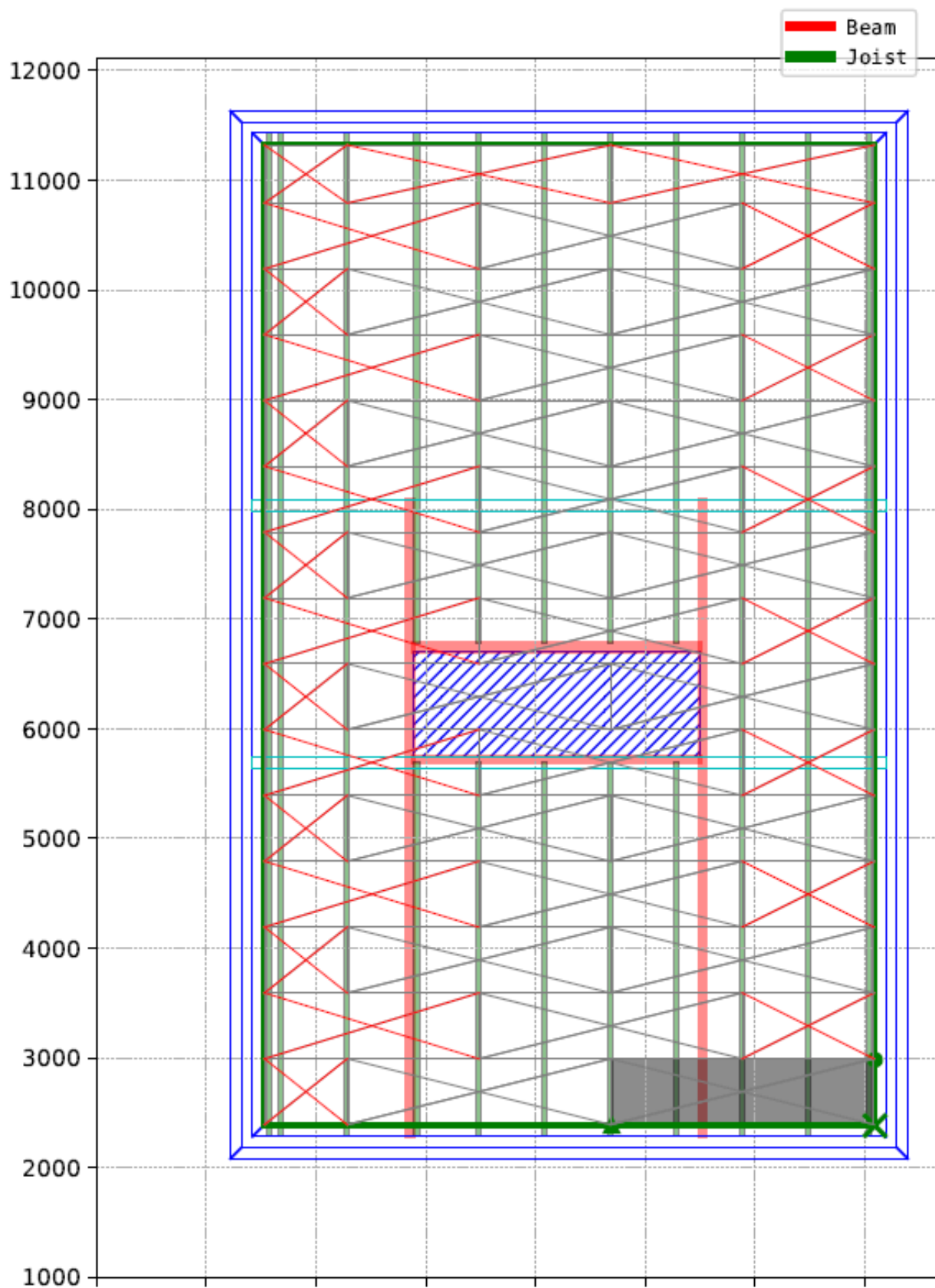
Meet DAISY – An Automated Tool that will Produce your Timber Floor Designs with a Click of a Button

In this edition of our newsletter we bring you some exciting news! We would like to present what is believed to be the first Artificial Intelligence-powered software to produce structural designs and floor framing layouts without the need for design technicians.

We all know that workforce shortage is a big problem for a lot of construction companies. Apart from builders and on-site staff, one of the hardest resources to find are structural design teams. [DAISY](#) (Design AI SYstems) was built to solve this problem. It applies a cutting-edge technology built by AI experts from [Brainpool](#) in partnership with a UK-based timber manufacturer Staircraft. It presents manufacturers with an opportunity to reduce design bottlenecks, lead-times and overheads, as well as empowering building designers to see directly, at concept stage, what the implications of their design decisions might be on both structural feasibility and likely component costs.

The DAISY team is based in Toronto and are currently looking for partners, construction technology leaders and timber manufacturers that are interested in automating their design processes. If you're interested in finding out more, get in touch the team at contact@daisy.ai.

You can also contribute to the development of DAISY by taking part in this [5-minute survey](#).

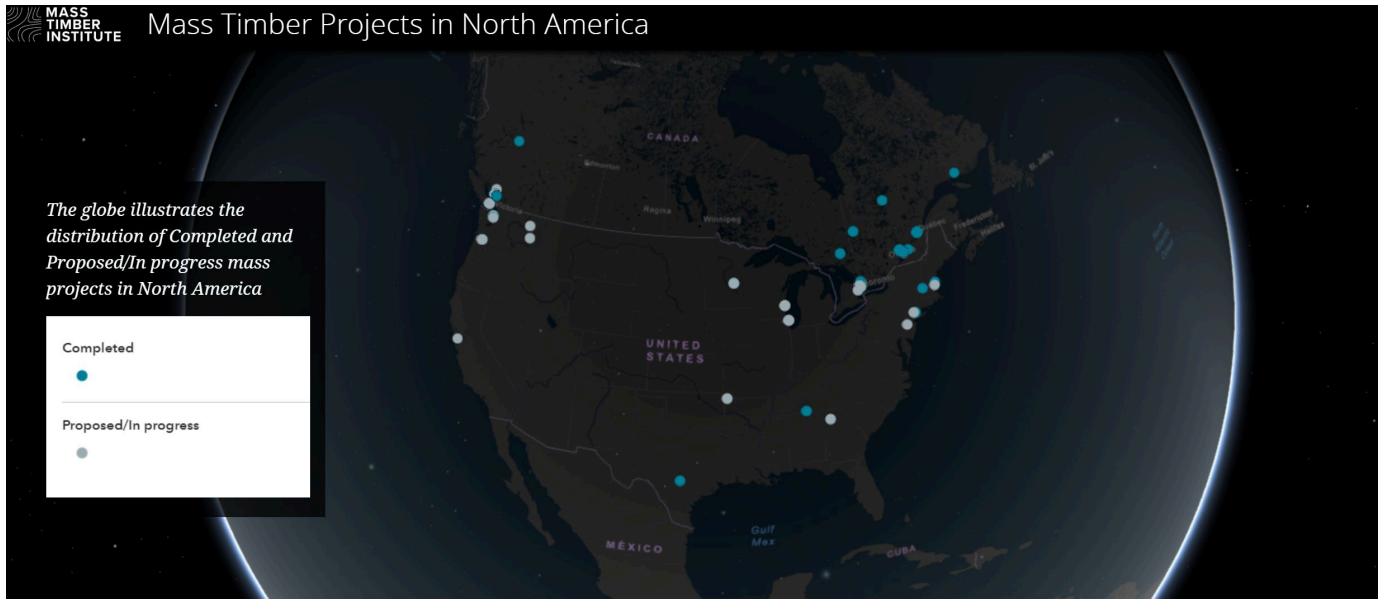


A floor layout created by DAISY

Updates from the Institute

1. Version 2.0 of our Map of Mass Timber Projects in North America has been released

Taha Syed, graduate of the Master of Forest Conservation Program at the University of Toronto and former MTI intern has completed the second version of his interactive map of mass timber projects in North America. You can [view the map here](#). Stay tuned for more updates.



Screenshot of our interactive map, courtesy of Taha Syed

2. MTI participates in SFI's Project Learning Tree Canada's Green Jobs E-Summit

On March 23, MTI director Dr. Anne Koven gave a talk as part of the Project Learning Tree Canada Green Jobs E-Summit. The theme of her talk was on how wood represents the future of building. You can find out more about the summit and see some of the presentations [here](#).

3. British Colombia Institute of Technology visits MTI

On March 10, representatives from the British Colombia Institute of Technology were in Toronto to discuss mass timber, the Institute, and to tour the George Brown College School of Construction Management Facilities. We look forward to working with our partners at BCIT and George Brown in expanding mass timber education in Canada.

Updates from our Partners and Colleagues:

- Congratulations to our friends at DIALOG, EllisDon and Smoke Architecture for their [Centennial College Project](#)! The project will use mass timber to help achieve a zero carbon footprint and will incorporate Indigenous principles in the design.
- Katerra has recently released a life cycle analysis of the [Catalyst Building](#), which will be built with cross-laminated timber. You can view the LCA report [here](#).

That's all for now -- thanks for reading!



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