Welcome to the

NORTHWEST WOOD DESIGN SYMPOSIUM

Hosted by:



Providing Market Education and Design Resources for Wood Construction



FUNDING PARTNERS









NORTHWEST WOOD DESIGN SYMPOSIUM INDUSTRY SHOWCASE

NATIONAL PARTNERS AT THIS EVENT























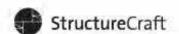


















ADDITIONAL EXHIBITORS



























NORTHWEST WOOD DESIGN SYMPOSIUM

REGIONAL EVENT PARTNERS

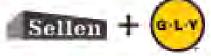
















Designing a wood building? Ask us anything.



FREE PROJECT SUPPORT . EDUCATION . RESOURCES

Nationwide support for the code-compliant design, engineering and construction of non-residential and multi-family wood buildings.

- Allowable Heights/Areas
- · Construction Types
- Structural Detailing
- Wood-Framed & Hybrid Systems
- Fire/Acoustic Assemblies
- Lateral System Design
- · Alternate Means of Compliance
- Energy-Efficient Detailing
- · Building Systems & Technologies



woodworks.org/project-assistance · help@woodworks.org



ANY QUESTIONS?



Keep your **regional staff member** in mind for questions and support:

Ethan Martin, PE

Regional Director | OR, AK, HI, ID, WA

Project Support Field Division, West

(855) USE WOOD (873-9663)

ethan@woodworks.org

"The Wood Products Council" is a Registered Provider with The American Institute of Architects Continuing Education Systems (AIA/CES), Provider #G516.

Credit(s) earned on completion of this course will be reported to AIA CES for AIA members. Certificates of Completion for both AIA members and non-AIA members are available upon request.

This course is registered with AIA CES for continuing professional education. As such, it does not include content that may be deemed or construed to be an approval or endorsement by the AIA of any material of construction or any method or manner of handling, using, distributing, or dealing in any material or product.

Questions related to specific materials, methods, and services will be addressed at the conclusion of this presentation.



Course Description

In 2017, Microsoft announced plans for a multi-year modernization project on its Redmond, WA campus. The project, which will see 17 new buildings ranging from 180,000 to 220,000 square feet and four to five stories, will create healthy, inspiring workplaces that support the needs of Microsoft employees. The new buildings will be in building clusters that will be blended together to create a unified campus. One of the main factors driving the design of this project has been material selection and the need to utilize sustainable design strategies to support the symbiosis of people and place, while respecting the unique ecology of the region. To help meet these goals, the company has committed to using mass timber in many of the new buildings. In this opening plenary, Microsoft will share the rationale for choosing mass timber and discuss how it will be utilized across the campus redevelopment project.

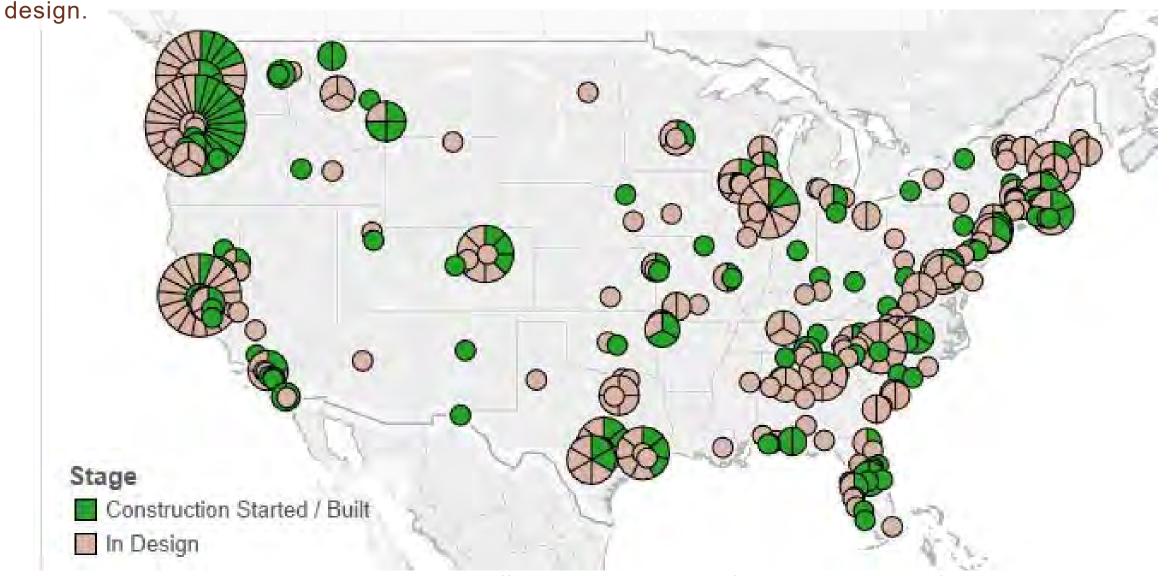
Learning Objectives

- 1. Discuss the vision of Microsoft for a sustainable campus redevelopment project, and the role of mass timber in achieving these goals.
- 2. Highlight effective and code-compliant means of utilizing mass timber in a variety of project types and scales.
- 3. Explore how the use of exposed, natural building materials such as mass timber can contribute to positive workplace experiences for employees.
- 4. Review opportunities for implementing mass timber in hybrid structures, taking advantage of the specific material attributes that different systems can provide.

CURRENT STATE OF MASS TIMBER PROJECTS

As of March 2019, **545** multi-family, commercial, or institutional projects have been constructed out of mass timber across the U.S., or they're currently in

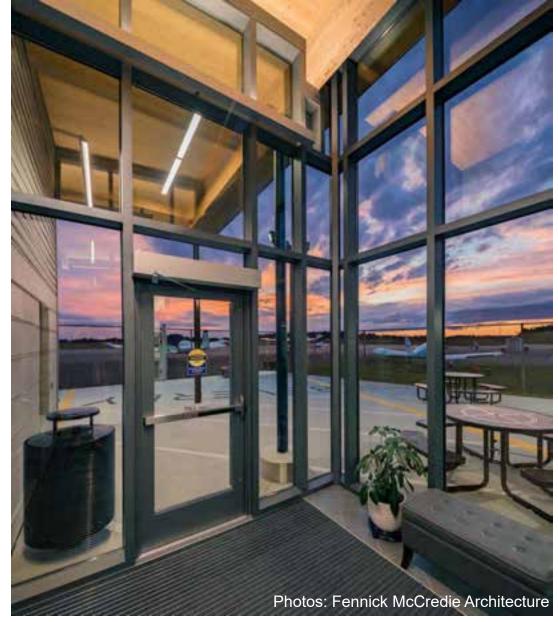






MASSACHUSETTS REGIONAL AIRPORTS | VARIOUS LOCATIONS, MA







PLUMAS COUNTY BIOMASS BOILER | QUINCY, CA





PLUMAS COUNTY BIOMASS BOILER | QUINCY, CA





ALBINA YARD | PORTLAND, OR





ALBINA YARD | PORTLAND, OR

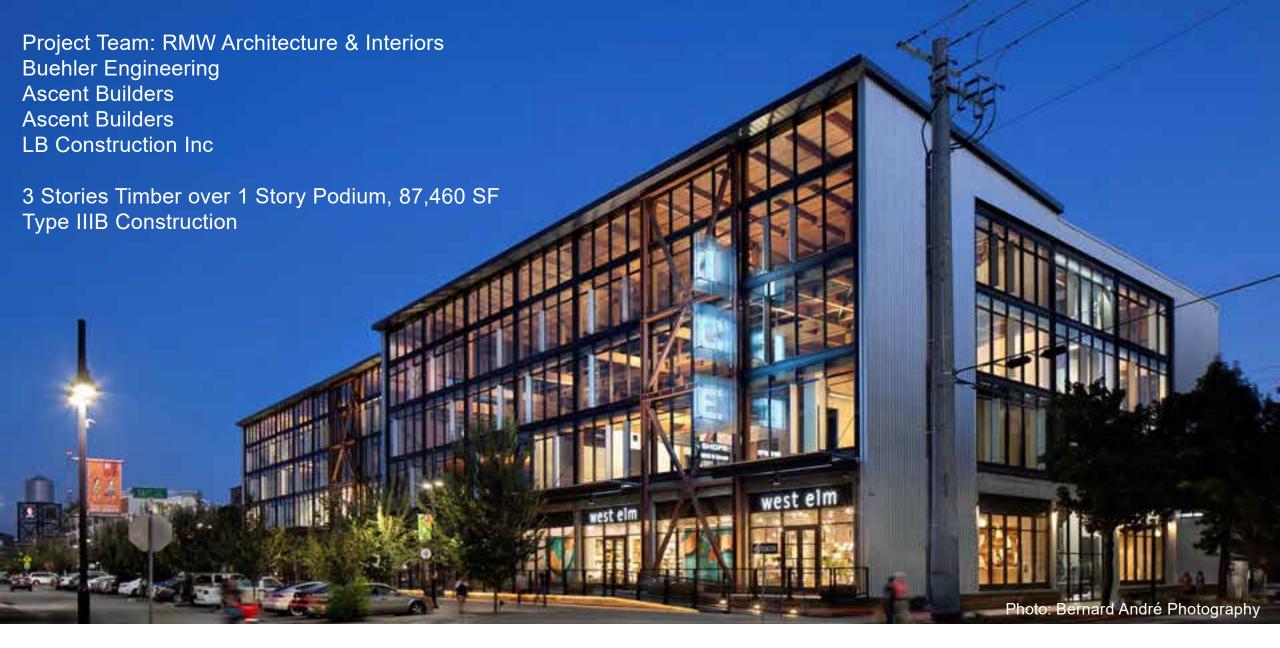


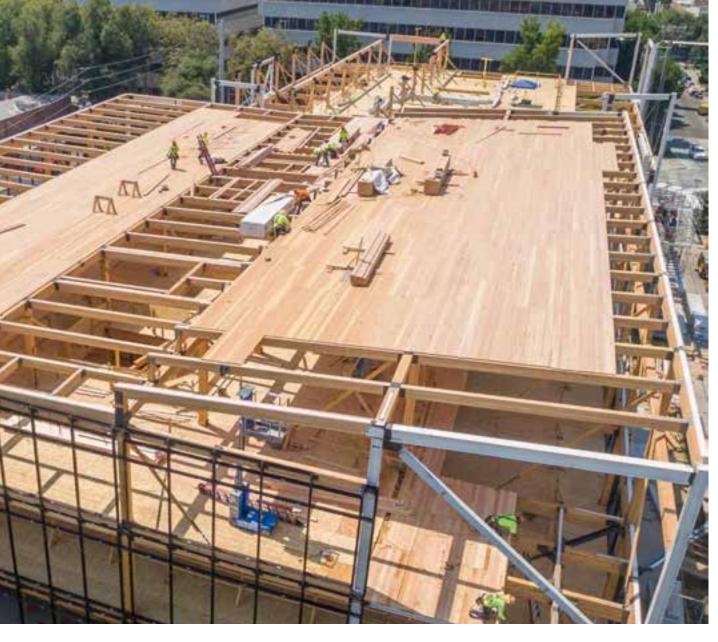


ALBINA YARD | PORTLAND, OR



ICE BLOCK I | SACRAMENTO, CA



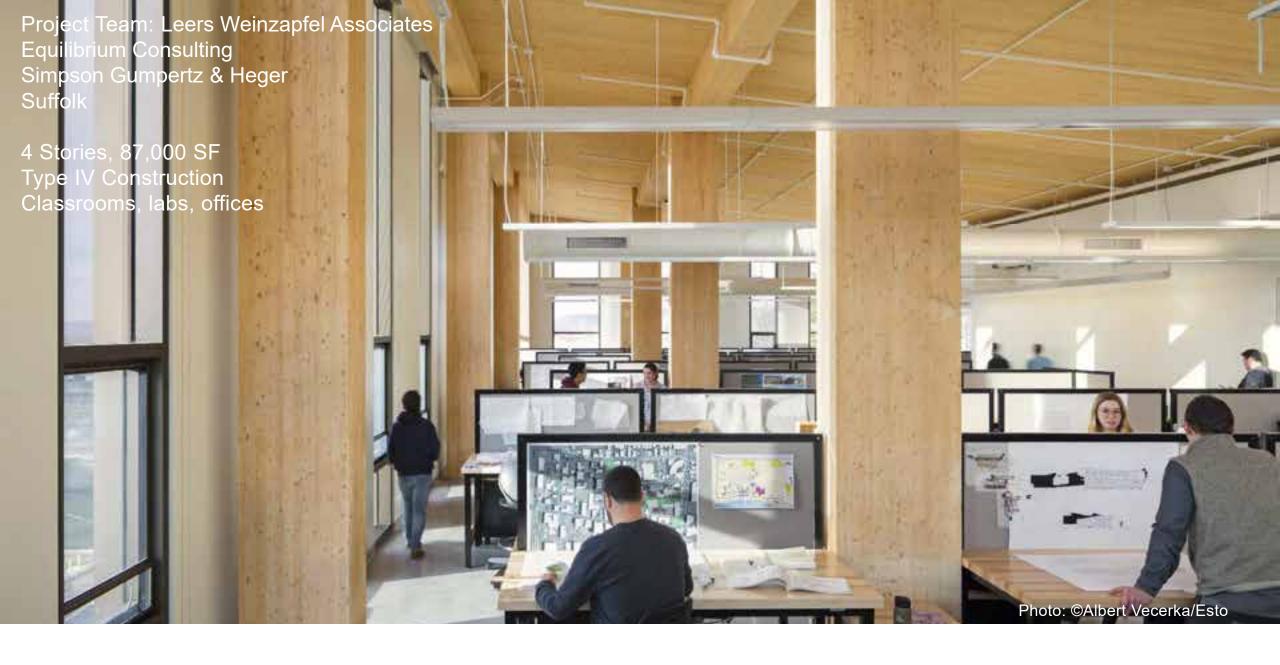




ICE BLOCK I | SACRAMENTO, CA



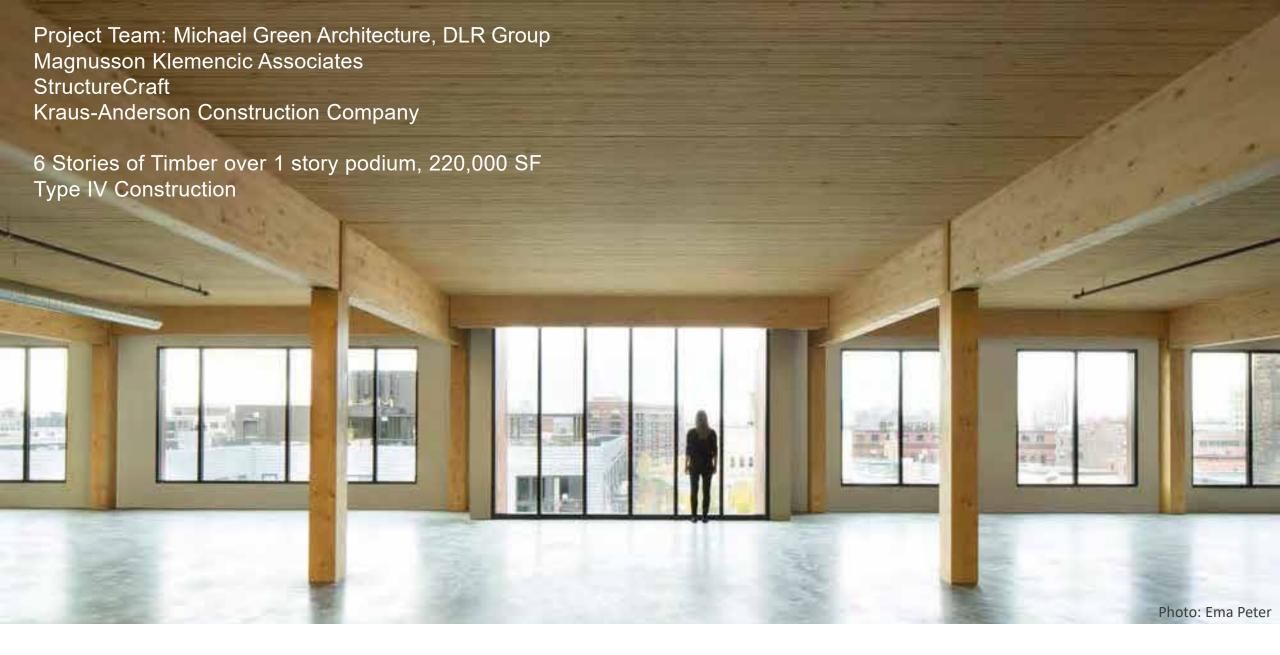
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JOHN W. OLVER DESIGN BUILDING | AMHERST, MA



T3 OFFICE BUILDING | MINNEAPOLIS, MN





T3 OFFICE BUILDING | MINNEAPOLIS, MN





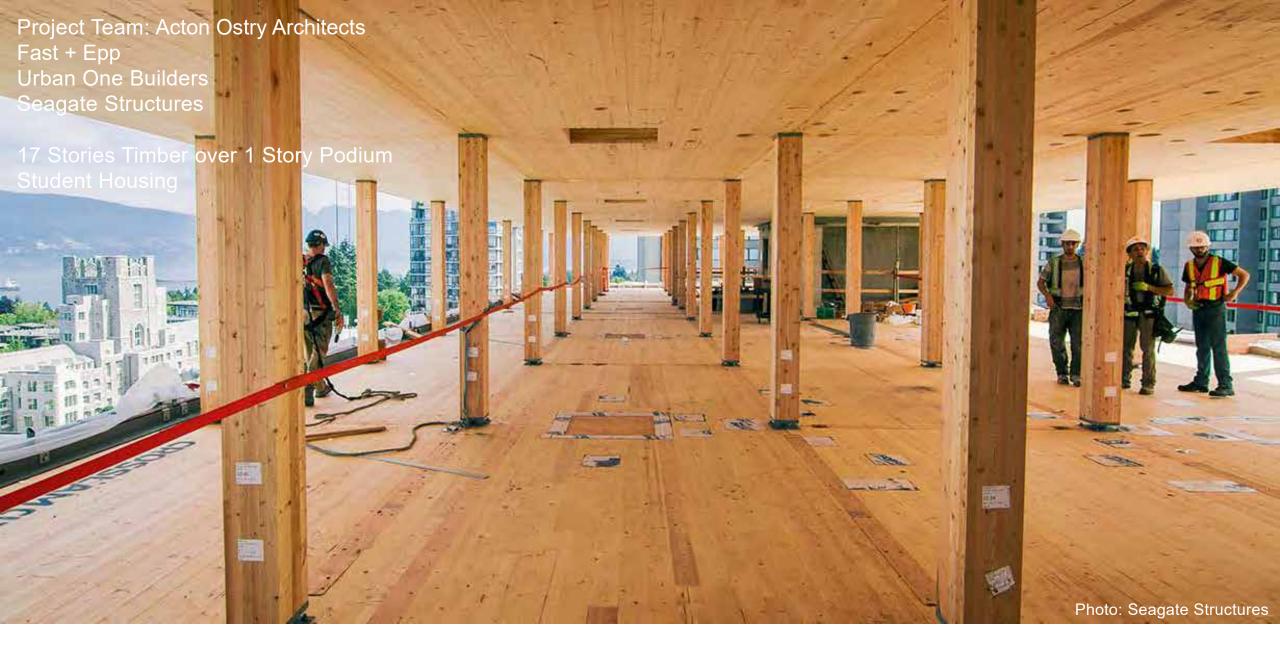
CARBON 12 | PORTLAND, OR







BROCK COMMONS | VANCOUVER, BC





Our environmental focus areas

We focus our efforts in four areas where we can make the biggest difference.



Operations

Reduce our operational impact while driving innovation



Products, services, and devices

Design products, services, and devices with sustainability in mind



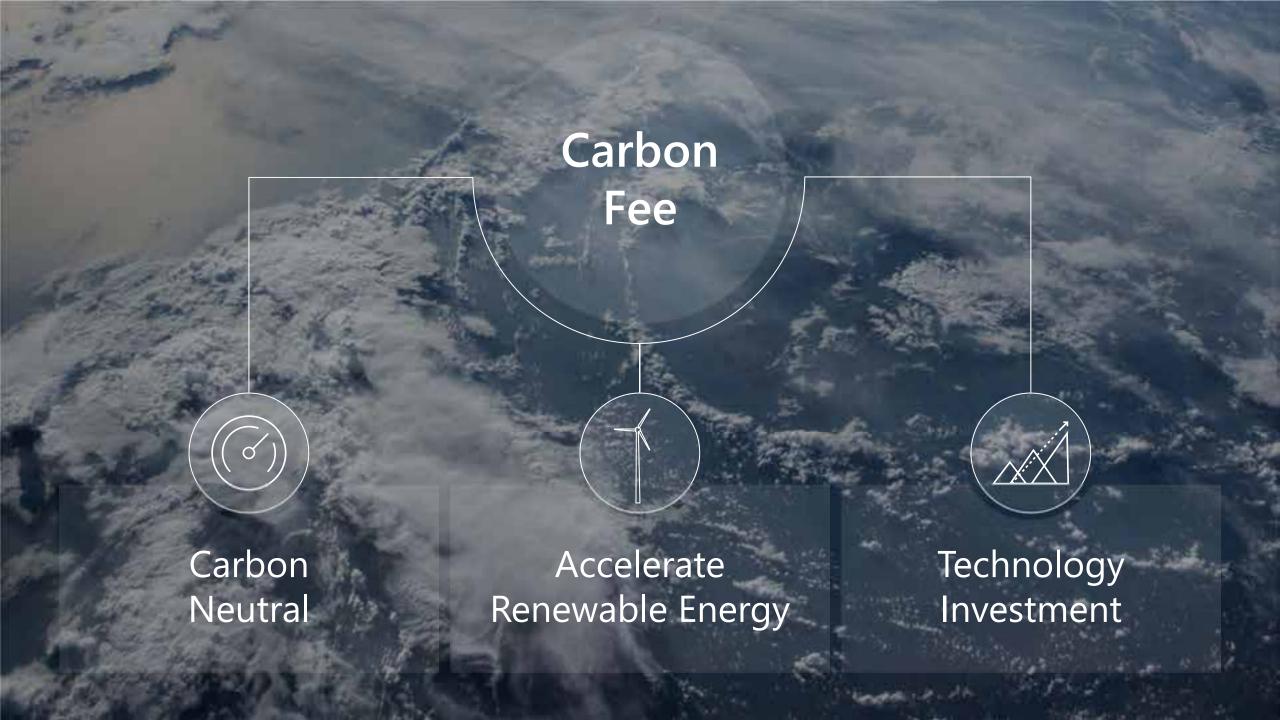
Customers and partners

Empower customers and partners to drive change using cloud and Al

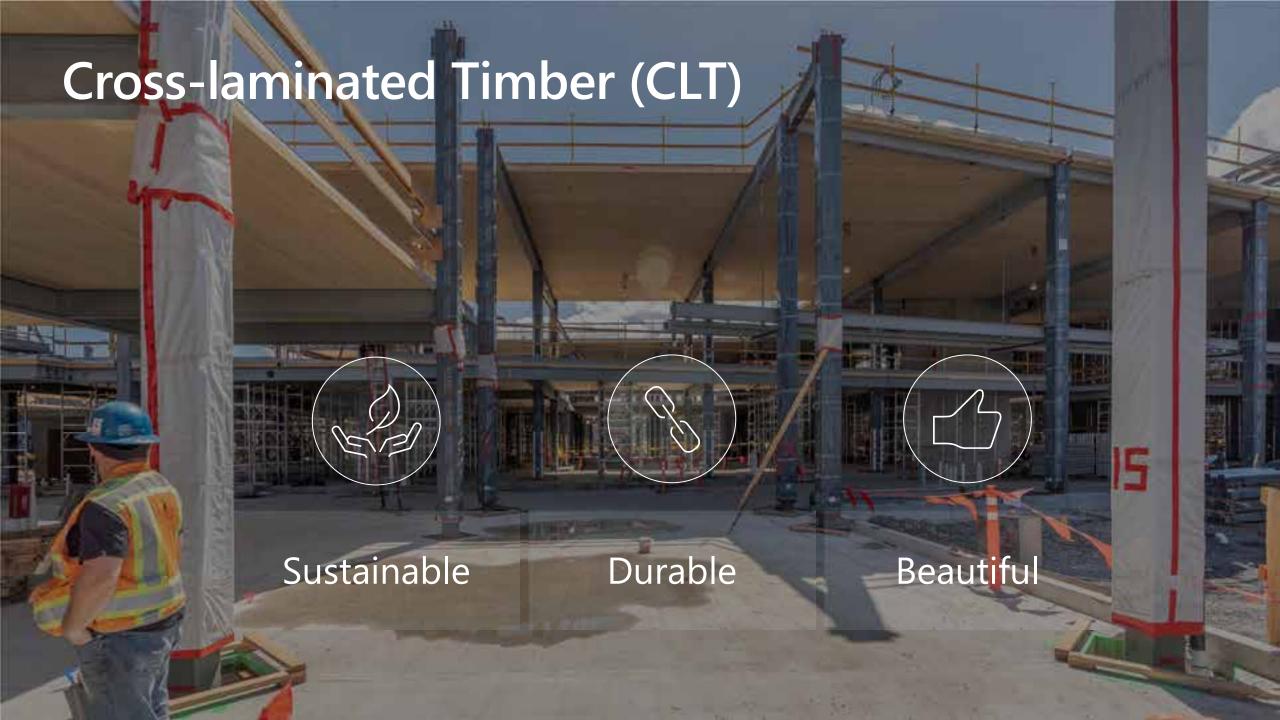


Policy

Advocate for policies that drive sustainable outcomes







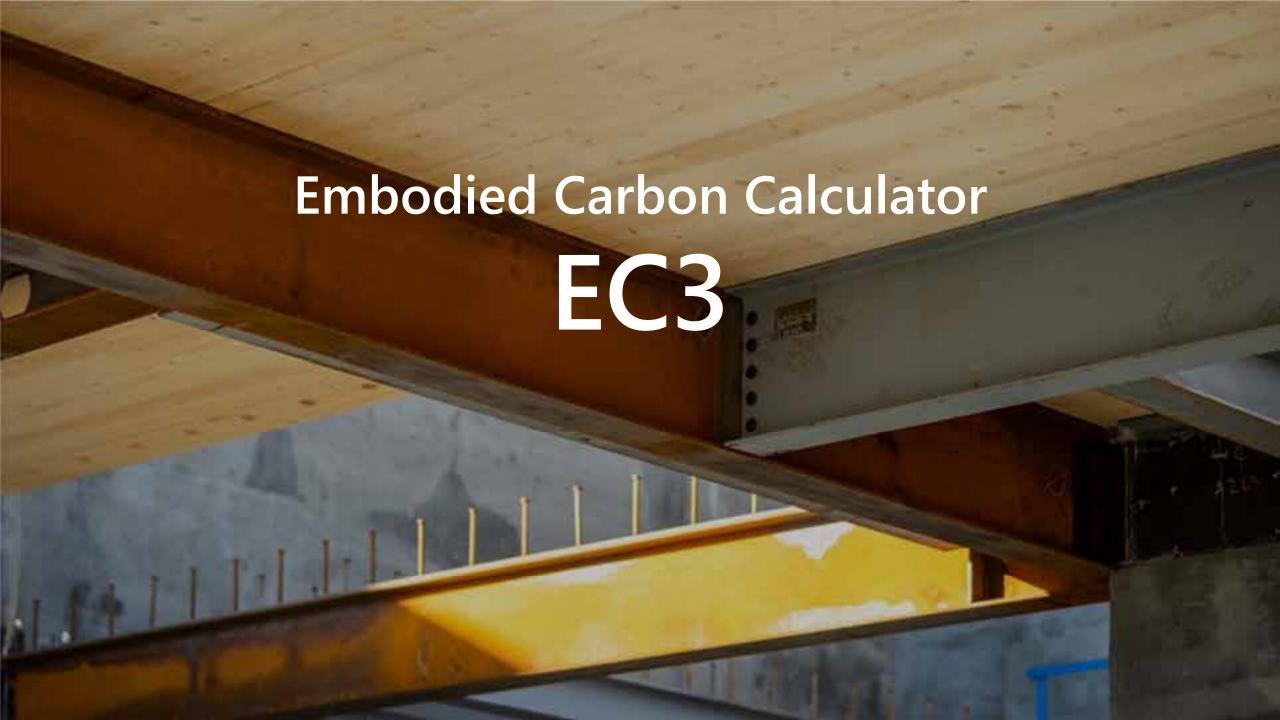


Built Environment Statistics

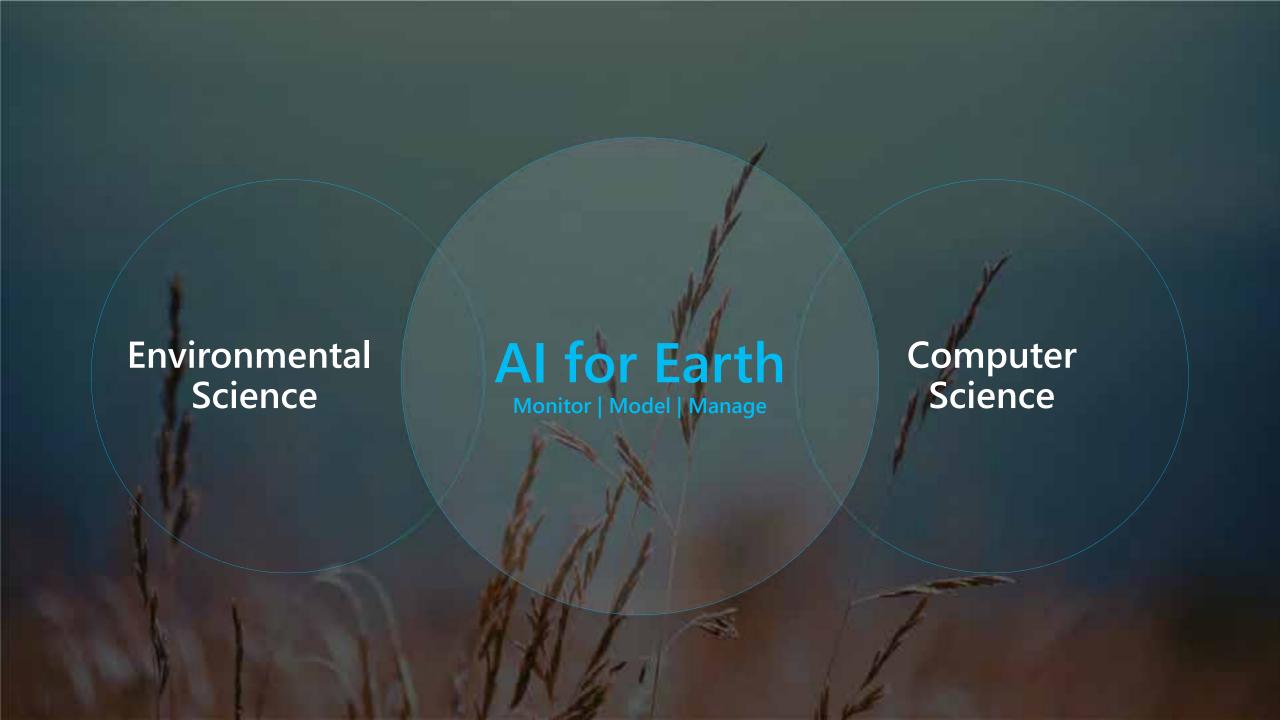


Buildings represent 28% of global energy-related CO2 emissions Building construction represents another 11% of energy-related CO2 emissions

Global building stock is expected to double before 2050







Grantees: 381 Countries impacted 66 Key AGRICULTURE WATER BIODIVERSITY CLIMATE CHANGE MULTIPLE







