



Mercer

Transforming Biomass into Bioproducts for a More Sustainable World

Mercer's Biorefinery Pathway

**Bill Adams, Chief Sustainability Officer and Sr. VP
Canadian Pulp Operations**

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***Mercer's Climate
Transition Plan***

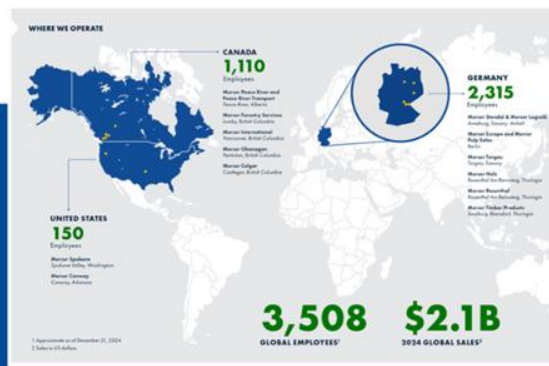


Scaling Up Bio 2025

Accelerating Deep Decarbonization

A Global Company with Local Impact

*Operating in Canada, the U.S., and Germany,
supplying renewable products to global markets
with scale and resilience.*



Diversification for Resilience and Growth

Evolving from pulp-only in 1994 to a balanced mix of pulp, lumber, mass timber, pallets, and bioproducts in 2024.



The Catalyst Building is located in Spokane, Washington, U.S. Architect: Michael Green Architecture (MGA) (Design Architect)



Percentage by Revenue

Mass Timber includes other manufactured wood products

Bioproducts include bioenergy, biofuels, and bioenergy

For detailed product volumes and capacities (2024) see Mercer's 10k

Mercer's Climate Transition Plan

Integration

Integrated Sustainability and
Business Strategy

Accountability

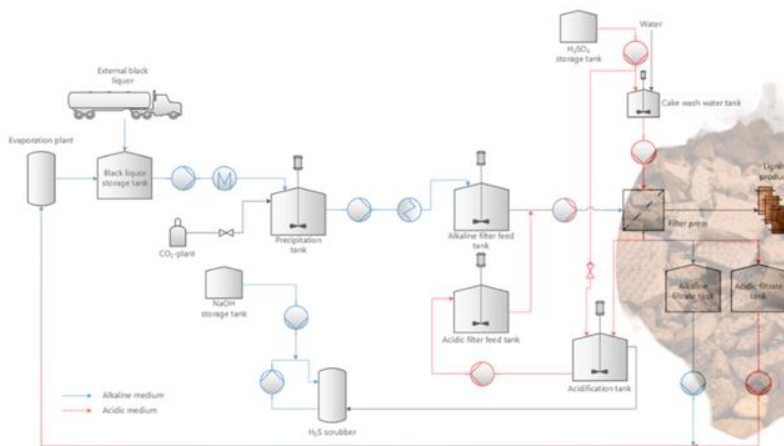
Sustainable Operations
Underpinning Our Products

Collaboration

Global Collaboration and
Partnerships



The Mercer Lignin Center



- **Technology:** *LignoBoost* XS extraction.
- **Scale:** 1 tonne/day for R&D & partner validation.



Transportation Fuel

Creating advanced biofuels, including Sustainable Aviation Fuel (SAF), from a renewable wood source.



Carbon Fiber

Producing a low-cost, sustainable precursor for advanced lightweight materials.

Bioplastics

Developing durable, carbon-rich bioplastics and high-performance composites.

Adhesives & Resins

Creating formaldehyde-free, bio-based adhesives for safer and more sustainable engineered wood.

Dispersants

Formulating eco-friendly additives to improve the performance of concrete, dyes, and agricultural products.

Mercer Mass Timber

25% - 45%

potential reduction due to embodied carbon from building with mass timber

Source: City of Vancouver

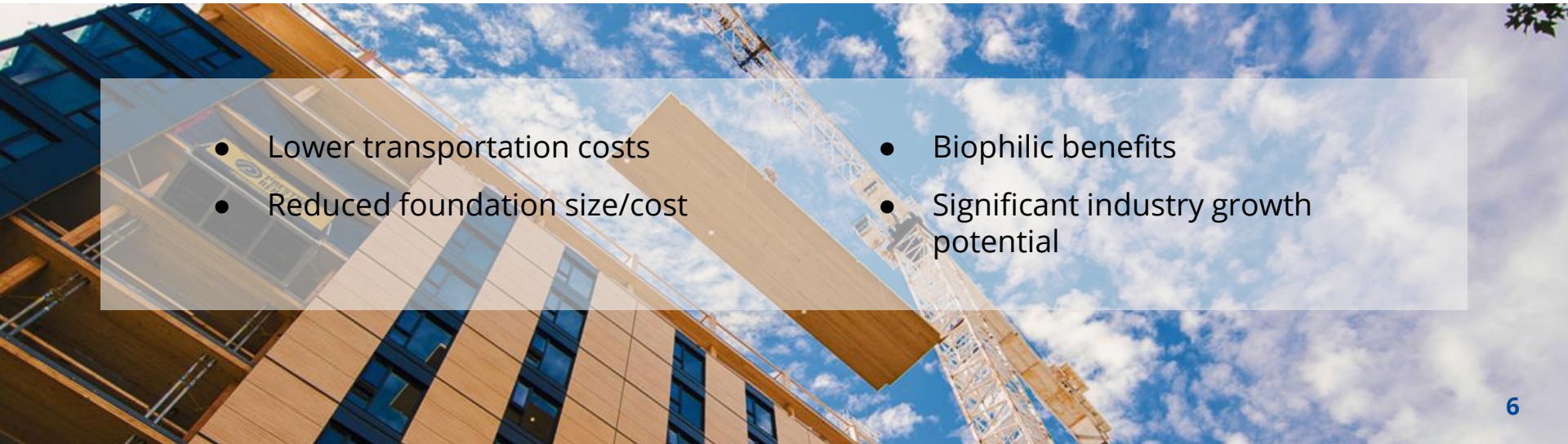
20% - 30%

faster construction time vs. traditional concrete and steel

Source: Government of British Columbia

- Lower transportation costs
- Reduced foundation size/cost

- Biophilic benefits
- Significant industry growth potential



BECCS

Negative Emissions through Bioenergy with Carbon Capture and Storage

500,000 tonnes CO2 Capture

- On-site clean energy
- Responsibly sourced biomass from sustainable forests
- Critical and scalable solution
- Secure CO2 storage
- Well-suited for pulp mills where biogenic CO2 is emitted at scale
- Generation and sale of carbon dioxide removal (CDR) credits



Contribution to CTP: Accelerates decarbonization efforts for Mercer and the market by offsetting emissions from hard-to-abate sectors