



Hybrid Mass Timber

A Better Way to Build

As the industry seeks more sustainable, higher-performing building solutions, mass timber stands out as a resilient, efficient, and future-ready alternative to steel and concrete.

RedBuilt Hybrid Mass Timber is a fully engineered building system backed by decades of expertise, precision manufacturing, and hands-on project support. Our products help architects, engineers, and contractors deliver high-performing buildings, with a lower environmental footprint, in less time.

Mass Timber

It's Changing the Game

Resilient and renewable, mass timber offers measurable advantages over traditional construction materials.



A Sustainable, Low-Carbon Alternative

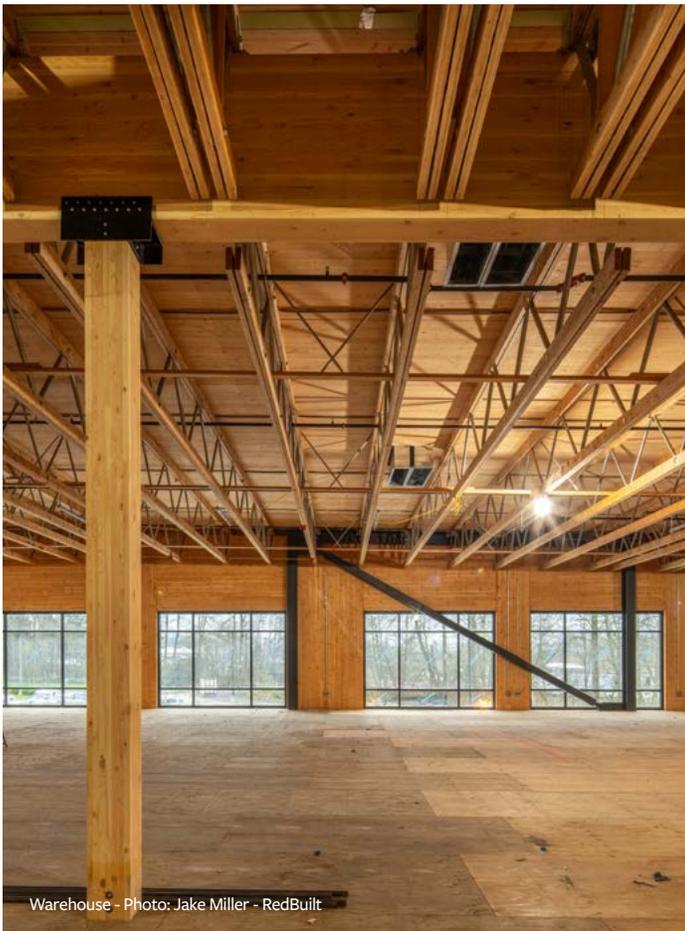
- A leading renewable building material with significantly lower embodied carbon than steel or concrete
- Stores carbon throughout its lifecycle, offsetting greenhouse emissions from other materials
- Improved thermal performance lowers energy use and supports sustainability certifications like LEED

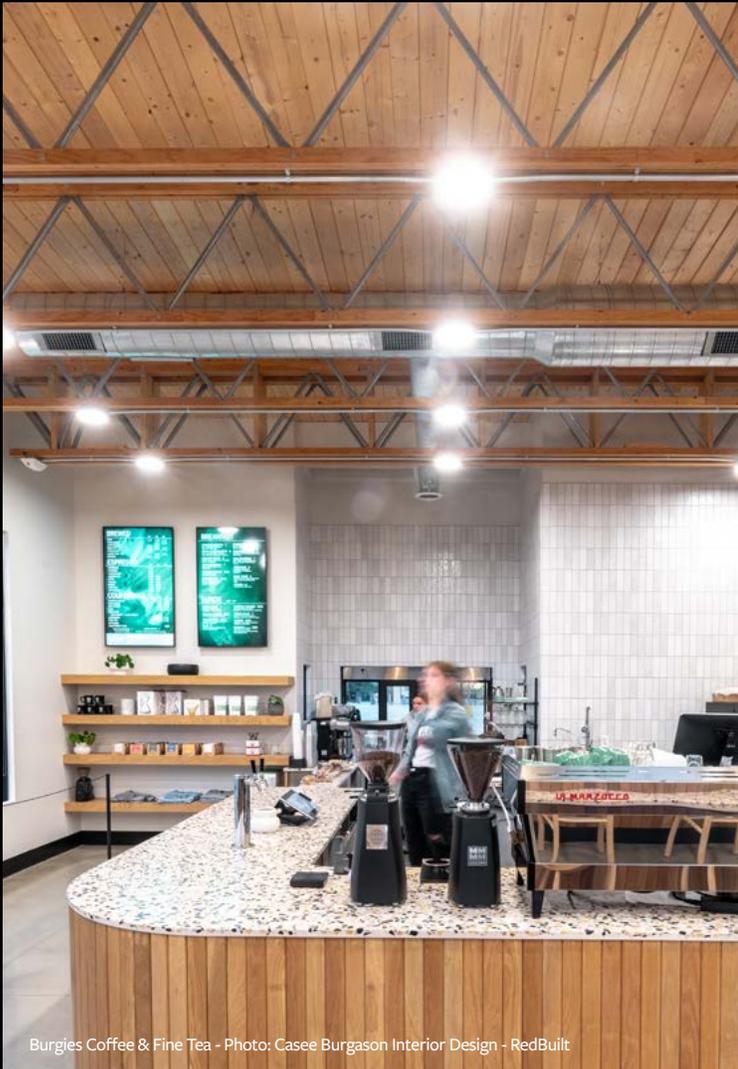
Why it matters: Mass timber helps project teams meet sustainability goals without sacrificing performance. A perfect material for embodied carbon reduction.

Innovation in Construction

- With precision manufacturing, components are fabricated off-site with exceptional accuracy
- Prefabrication reduces jobsite waste, improves construction predictability, and decreases construction time
- New sustainability-driven codes support taller mass timber structures, expanding design potential, and contribute to net-positive buildings
- Hybrid mass timber systems work seamlessly with steel or concrete when needed

Why it matters: Using mass timber reduces project timelines, jobsite waste, and costly errors, making it a more efficient and effective building system.





Burgies Coffee & Fine Tea - Photo: Casee Burgason Interior Design - RedBuilt

Safety and Resilience

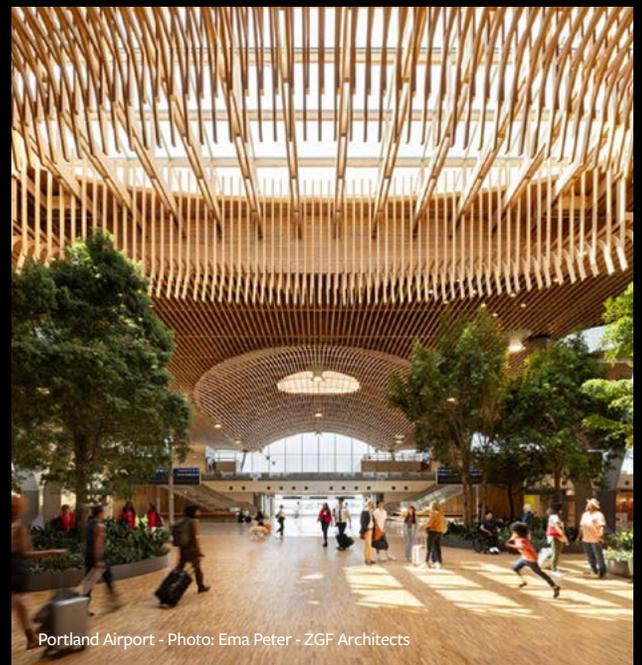
- Prefabrication reduces on-site installation time, labor, and potential job site hazards
- Mass timber performs well in fire conditions due to predictable charring behavior
- High strength-to-weight ratio and flexibility support strong seismic performance

Why it matters: Mass timber supports safe construction and resilient building design.

Beauty You Can Build With

- Exposed mass timber creates warm, inviting interiors
- Clean lines and consistent quality elevate architectural expression
- Large spans and open layouts allow structures to serve as design features

Why it matters: Mass timber delivers visual appeal without sacrificing strength and durability.



Portland Airport - Photo: Ema Peter - ZGF Architects

Speed of Construction

- Factory-built components arrive ready to install, reducing build time by up to 25%
- Lighter materials require smaller crews and less heavy equipment
- Reduced foundation demands can lower excavation and material costs

Why it matters: Faster build times reduce project costs and enable earlier occupancy.



Simplified Supply Chain

- Fewer trades and less on-site fabrication streamline coordination
- Precision-built components reduce errors, rework, and waste
- Direct-to-jobsite delivery improves scheduling

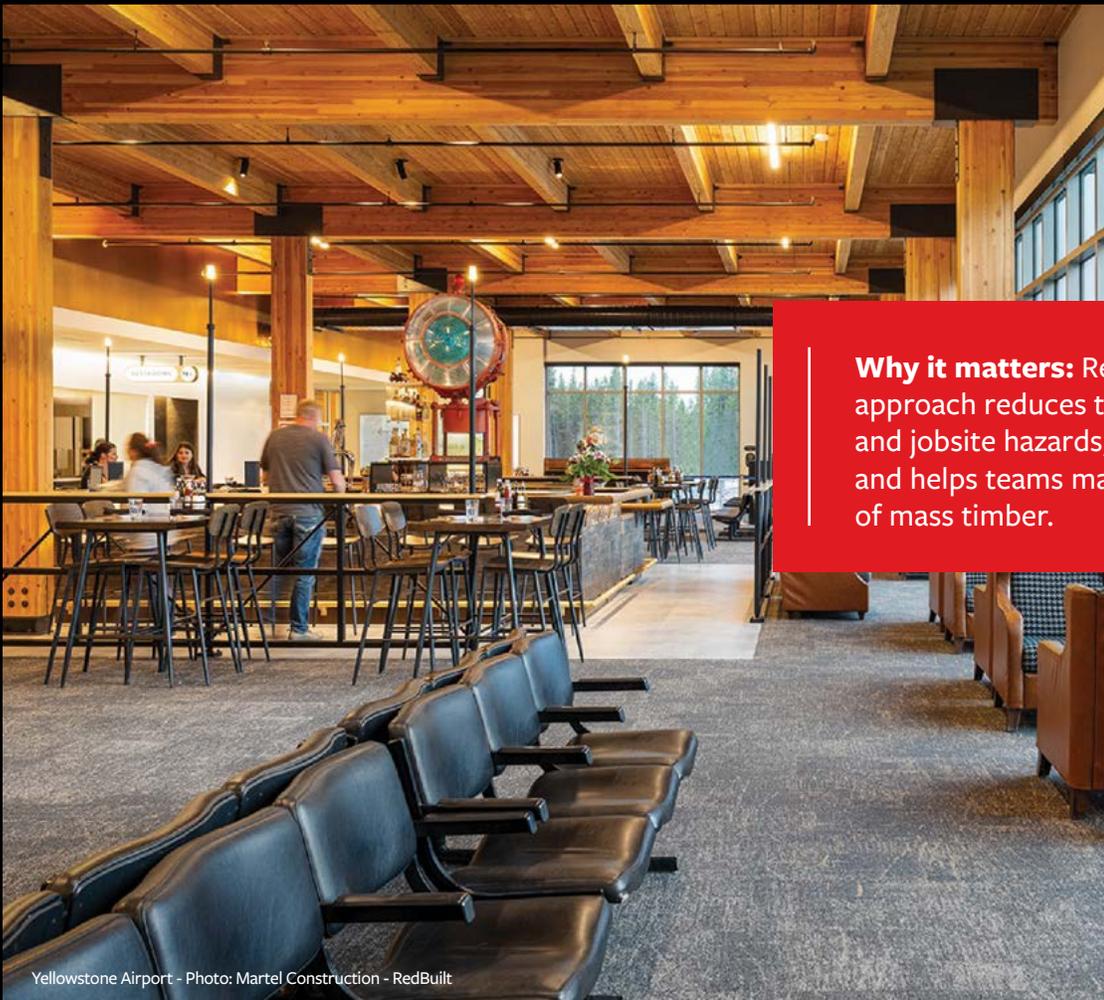
Why it matters: The use of mass timber promotes smoother projects and predictable outcomes.



With more than 60 years in engineered wood solutions, we deliver mass timber with a higher standard of service.

With our off-site timber fabrication, you can expect:

- Design assistance from experienced wood product specialists
- Accurate, timely fabrication drawings
- Precision-cut components packaged by project
- Simplified supply chain with a full-service package, direct to jobsite
- Dedicated project team, complete with local on-the-job technical support



Why it matters: RedBUILT's integrated approach reduces the risk of errors, waste, and jobsite hazards, improves coordination, and helps teams maximize the use of mass timber.

Yellowstone Airport - Photo: Martel Construction - RedBUILT



Mass Timber Systems

RedBUILT offers a comprehensive portfolio of mass timber and engineered wood products designed to work together as a complete building system or in hybrid applications:



Adidas North America -
Photo: Jeremy Bittermann - LEVER Architecture



Del Mar Civic Center -
Photo: Chipper Hatter - Miller Hull Partnership

- **Fabricated Glulam Beams** – High-strength beams for exposed or concealed applications
- **Cross-Laminated Timber (CLT), Mass Plywood Panel (MPP), Glue-Laminated Panel (GLT), Dowel-Laminated Timber (DLT)** – High-quality panels sourced and fabricated to project-specific requirements
- **Open-Web Trusses** – Ideal for long spans and mechanical integration
- **Red-I™ Joists** – Engineered for performance, with optional tapered profiles for added flexibility
- **RedLam® LVL** – Strong material ideal for use as beams, headers, and joist flanges
- **Wall Panels** – Custom-fabricated for fast and efficient installation

A Higher Standard of Service

Our commitment to our customers sets us apart from our competitors.

- **Engineered Quality:** Precision manufacturing, rigorous standards, and consistent performance
- **Proven Experience:** Decades of innovation applied to modern mass timber construction
- **Integrated Expertise:** Design assistance, fabrication, and delivery all under one roof
- **Dedicated Support:** Project manager and local representative for onsite support

Design Applications

RedBuilt mass timber solutions support a wide range of building types, including:

- Schools & civic buildings
- Multi-family housing
- Industrial, data centers & warehouses
- Hotels & hospitality
- Medical & community facilities
- Restaurants & retail
- Offices & corporate campuses



Building the Future with Mass Timber

Hybrid Mass timber represents a better way forward, combining sustainability, speed of design and construction, safety, and design flexibility. At RedBuilt, we are more than participants in the building industry—we are trailblazers, revolutionizing creation and construction.

Unmatched and driven by innovation, we continuously invest in technology, align our strategies to meet the evolving needs of our customers and projects, and reimagine what's possible. We are pushing boundaries to develop sustainable, high-performance solutions that are reshaping the industry landscape.