A Unique Partnership Between the Colleges of Forestry and Engineering at Oregon State University and the College of Design at University of Oregon
Wood and wood products need the least amount of energy to manufacture and has the lowest impact on air and water quality.
Engineered Wood/Mass Timber Panels

CLT – Cross Laminated Timber (4.5”– 12.5” thick)
MPP – Mass Plywood Panels (2”– 24” thick, 1” intervals)
NLT – Nail Laminated Timber (2x6, 2x8 or more)
DLT – DOWEL Laminated Timber (Sawn Lumber and wood dowels)

Environmental Benefits
• 50% of the dry weight of wood is carbon
• 1m³ of wood stores 1 ton of carbon dioxide
• Carbon is sequestered throughout the lifetime of the building
• Can be reclaimed at end of building life

Economic Benefits
• Offsite prefabrication saves jobsite labor
• Up to 75% lighter than a concrete building = reduced foundation sizes and easier material handling
• Less deliveries, simplified jobsite logistics
• Less jobsite waste
MODULAR AND REGULAR

LONG SPAN AND UNIQUE
Swan Housing Association, Nu Living
CLT prefabricated units, 2017
Kaufmann Bausysteme

Integrated Comprehensive School
Frankfurt-Riedberg, Germany,
NKBAK Architects, 2017
Albina Yard, 2016
Portland, Oregon
Lever Architecture
International House, 2017  Barangaroo, Sydney, Australia  Tzannes Architects
Multihalle, Mannheim, Germany, 1970-75
Frei Otto, Architect and Engineer
Shigeru Ban: Haesley Nine Bridges Golf Clubhouse, Yeoju, South Korea, 2010
Centre Pompidou, Metz, France, 2010
Elephant House Zoo, 2014
Zurich, Switzerland
Markus Schietsch Architekten
Achim Menges  
ICD/ITKE Research Pavilion 2011, Stuttgart University, Germany  
ICD/ITKE Research Pavilion 2015-16, Stuttgart University, Germany
Sheffield Winter Garden, Sheffield, England, 2007 Pringle Richards Sharratt Architects
VanDusen Botanical Garden Visitor Centre, Vancouver, B.C., Canada, 2011
Perkins + Will
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