

SENT TO LSU AGCENTER/LOUISIANA FOREST PRODUCTS DEVELOPMENT CENTER - FOREST SECTOR / FORESTY PRODUCTS INTEREST GROUP



Tall Buildings in Numbers Tall Timber: A Global Audit

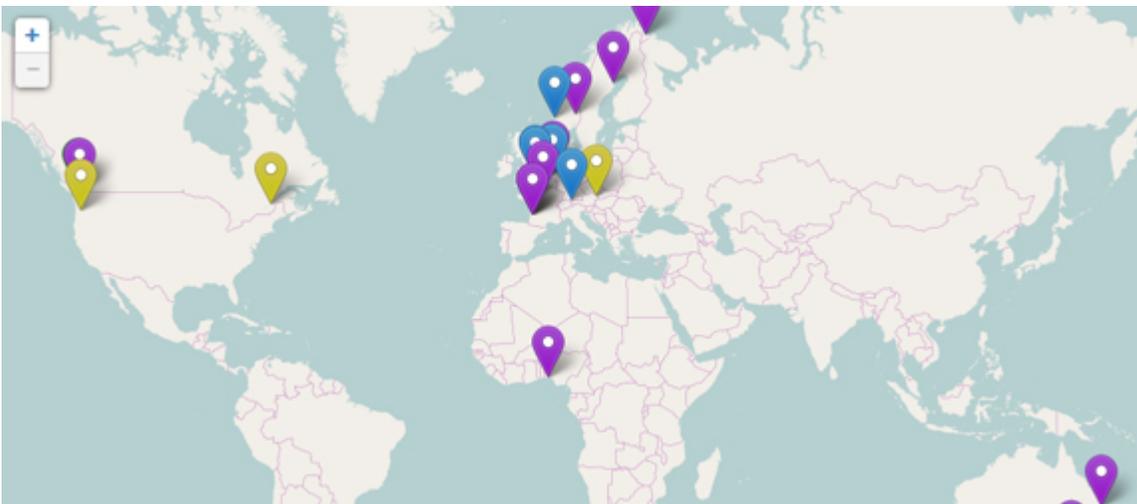
June 2017

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In the past few years, the tall building industry has become increasingly interested in the use of timber as a major structural element in skyscrapers. This has resulted in a now-worldwide wave of research, built projects, and ever-more daring speculative proposals using "mass timber" – engineered wood products that are just as robust as their concrete and steel counterparts. In 2008 there was one mass timber building over eight stories tall. Today, there are nearly 40 complete, under construction, or planned.

This map highlights several notable examples of tall timber buildings currently built, under construction, or proposed around the world. Click on the map to discover the name, photo, and other interesting information about each highlighted timber building.



[\(View interactive version\)](#)

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Tall Mass Timber Buildings Around the World

Only timber buildings using "mass timber" technologies* that are seven stories or higher are included in this study. Linked rows indicate buildings that can be found on [The Skyscraper Center](#), which generally lists only buildings that are 50m or greater, but some exceptions are made for notable timber buildings.

Building	City	Floors	Construction System	Status**	Completion Date
Baobab	Paris	35	Timber/Steel	Proposed	
Abebe Court Tower	Lagos	26	Timber/Steel	Proposed	
HoHo	Vienna	24	Timber/Concrete	Under Construction	2017
HAUT	Amsterdam	22	All Timber	Proposed	2019
Barentshus	Kirkenes	20	Timber/Steel	Vision	
Doorman	Rotterdam	20	Timber/Concrete/Steel	Completed	
Terrace House	Vancouver	19	Timber/Concrete	Proposed	
Mjøstårnet	Brumunddal	18	All Timber	Proposed	2018
Silva	Bordeaux	18	Unknown	Proposed	2020
TallWood House at Brock Commons	Vancouver	18	Timber/Concrete	Topped Out	2017
The Hyperion	Bordeaux	18	Unknown	Proposed	2019
Canopia	Bordeaux	17	All Timber	Proposed	
55 Southbank Boulevard	Melbourne	16	Timber/Concrete	Proposed	2020
Kulturhus Skellefteå	Skellefteå	16	Timber/Steel	Proposed	2019
The Treet	Bergen	14	All Timber	Completed	2015
Origine	Quebec	13	All Timber	Under Construction	2017
Framework	Portland	12	Timber/Steel	Proposed	2018
25 King	Brisbane	10	All Timber	Proposed	2018
Forte Tower	Melbourne	10	All Timber	Completed	2013
Lagerhuset	Eslov	10	All Timber	Completed	2008
Trafalgar Place	London	10	All Timber	Completed	2015
Wenlock Cross / The Cube	London	10	Timber/Concrete/Steel	Completed	2015
Cenni di Cambiamento	Milan	9	All Timber	Completed	2013
Dalston Lane	London	9	All Timber	Under Construction	2017
Îlot Bois et Biosourcé	Strasbourg	9	Unknown	Proposed	
Moholt 50/50	Trondheim	9	All Timber	Completed	2016
Ternes Villiers	Paris	9	All Timber	Proposed	
Arbora	Montreal	8	All Timber	Completed	2016
Bridport House	London	8	All Timber	Completed	2014
Carbon 12 Building	Portland	8	All Timber	Proposed	
Holz8 (H8)	Bad Aibling	8	All Timber	Completed	2011
Life Cycle Tower (LCT) One	Dornbirn	8	Timber/Concrete	Completed	2012

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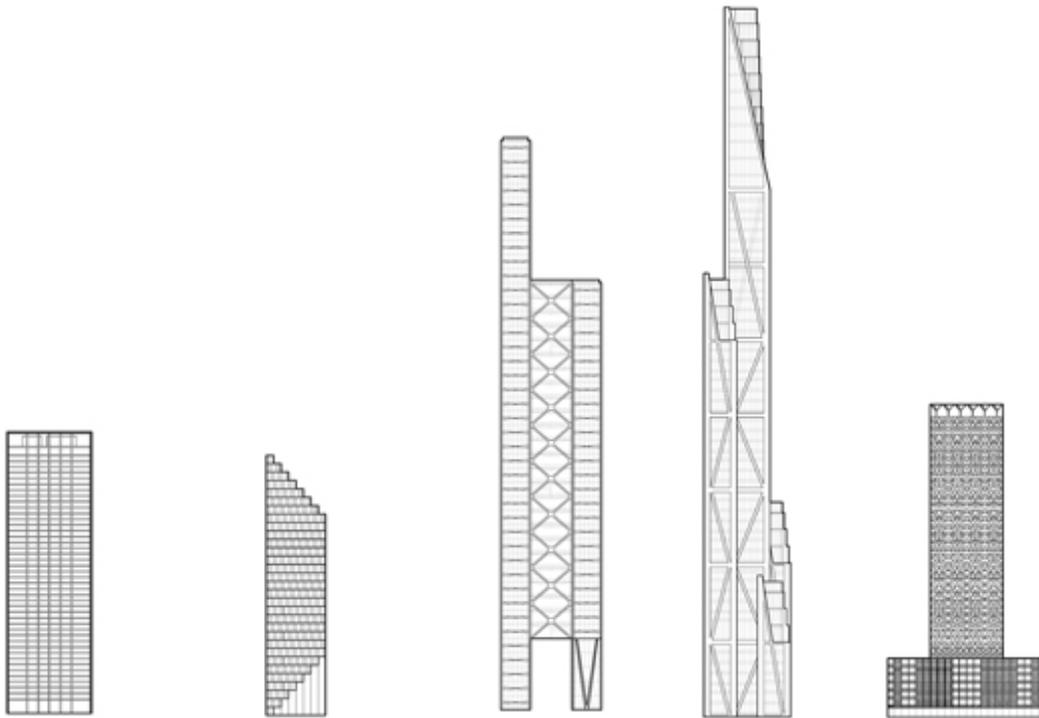
Limnologen	Växjö	8	Timber/Concrete	Completed	2009
Pentagon II	Oslo	8	Unknown	Completed	2013
Puukuokka	Jyvaskyla	8	All Timber	Completed	2015
St. Diè-des-Vosges	St. Diè des Vosges	8	All Timber	Completed	2014
Stadthaus	London	9	All Timber	Completed	2009
Strand Parken	Stockholm	8	All Timber	Completed	2014
E3 Berlin	Berlin	7	Timber/Steel	Completed	2008
Kingsgate House	London	7	All Timber	Completed	2014
Maison de l'Inde	Paris	7	Timber/Concrete	Completed	2013
Panorama Giustinelli	Trieste	7	Uknown	Completed	2013
Sanctuary	Yoker	7	All Timber	Under Construction	2017
T3 Building	Minneapolis	7	All Timber	Completed	2016
Tamedia	Zurich	7	All Timber	Completed	2013
UEA (University East Anglia)					
Blackdale Student Residence	Norwich	7	All Timber	Completed	2016
Wagramerstrasse	Vienna	7	Timber/Concrete	Completed	2013
Wood Innovation Design Centre	Prince George	7	All Timber	Completed	2014

*For clarity, structural types are simplified here to indicate the primary structural system only, e.g., core, floor beams or horizontal trusses, and vertical columns. In reality, most "mass timber" buildings use some combination of timber, steel and concrete. "All Timber" generally means the core and the horizontal and vertical structure are all timber.

**A building is considered to be "Proposed" (i.e., a real proposal) when it fulfills all of the following criteria: 1) Has a specific site with ownership interests within the building development team; 2) Has a full professional design team progressing the design beyond the conceptual stage; 3) Has obtained, or is in the process of obtaining, formal planning consent/legal permission for construction; 4) Has a full intention to progress the building to construction and completion. Only buildings that have been announced publicly (and the source is credible) by the client and fulfill all the above criteria are included in the CTBUH "proposed" building listings.

Visions While not included in table above because it would be impossible to find and track all envisioned timber buildings, a selection of theoretical "Vision" projects can be seen below.

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<u>SOM Timber Tower</u> Chicago	<u>HSB 2023 - Vasterbroplan</u> Stockholm	<u>River Beech Tower</u> Chicago	<u>Oakwood Tower</u> London	<u>Tratoppen</u> Stockholm
<p>This building reimagines the 40-story concrete Plaza on Dewitt in wood.</p>	<p>This 34-floor project would use pillars and beams constructed of solid and cross-laminated timber.</p>	<p>This concept tower uses an innovative system of diagrids and prefabricated modules to gain height. See our journal article, River Beech Tower: A Tall Timber Experiment for more information.</p>	<p>At 80 stories and 300 meters, this building would be London's second-tallest building if it were actually built today.</p>	<p>The wood panels cladding this envisioned building would be shaped as the number of each floor.</p>

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6 July 2017



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