



TRIPTYQUE
ARCHITECTURE

New technology allows the use of wooden structure on taller buildings

The Project for the construction of a wooden tall building is an initiative by AMATA and is signed by Triptyque: Atmospheric CO2 capture project.

São Paulo, August 2017 – Frequently called the capital of steel and concrete, the city of São Paulo is soon to become home to a building totally made of Brazilian wood, 100% certified both of its origin and trajectory. The initiative came from AMATA, a Brazilian forest management company. The project is signed by the Triptyque Architecture company and is to be built in a land lot of 1.025 m² in the Vila Madalena neighborhood. The total area will be 4.700 m². Based on a Mixed-use concept and 13 stories high, the project allows for many different functional uses to its areas such as coworking, coliving and restaurant. These are both common and private spaces interacting with the city where one can live in tune with a new environmental consciousness.

“Wooden framed buildings are an efficient solution and may serve as a boost toward a change in the environmental consciousness of our societies because, as we replace non-renewable resources with natural raw materials, we also help create a cleaner chain of production and we add value to certified forests. This can lower the pressure for deforestation”, says Dario Guarita Neto, cofounder and CEO at AMATA.

Each 1m³ of reforested wood has absorbed one metric ton of atmospheric CO² from the environment, helping meet the proposal signed by Brazil during the 21st Climate Conference (COP 21), in Paris, in December 2015, promising to replant 12 million hectares of forest and reduce by 43% the green-house effect gas emissions until 2030. This is one of the solutions to help solve the long lasting problem with the construction industry: Today it stands as responsible for almost half of the world’s carbon emissions.

The structure of the AMATA Building will be made of CLT, a high-tech product made of multiple layers of massive wood laid down in two different directions. Once put together they become panels that can be used as structure for high rising buildings, with the full use of the wood’s structural properties. Every 40 hours the forests of AMATA grow by an amount equivalent to a ten-storey high CLT building.

AMATA BUILDING

The AMATA Building brings innovative solutions and that is not only because of the material, wood, but also because of its design, reduced construction time, durability and architectural possibilities.

The building is the naturalization of architecture put to practice, offering a total sensorial experience, the metaphor to an urban habitable forest, the visible and the invisible wood, the use of vegetation as well as the landscape. With its stepped silhouette it will blend in perfectly with Vila Madalena's uneven topography, creating an architecturally interesting point for visitation. The wooden building represents the seed to a new inexhaustible construction paradigm.

Congress in France – WoodRise 2017

WoodRise is the first international congress to discuss high rising wooden buildings. It will take place from the 12th through to the 15th of September in the French city of Bordeaux and aims at mobilizing the leaders of innovative enterprises, architects, engineers, politicians and designers towards transforming certified wood construction into a viable large scale solution for the reduction of CO2 emissions, posing as a new alternative for the construction matrix which, today, is responsible for nearly half the world's carbon emissions.

It is a tendency that is gaining shape in many different countries which begin to value the architectural achievements possible with wood as well as its beauty, high structural, mechanic, acoustic and thermal performances, resistance to fire and environmental sustainability. Given such meaningful potentials, three of the international wood-construction players – the FCBA, from France; the FPInnovations, from Canada; the Building Research Institute, from Japan – have joined efforts to organize the first world congress dedicated to presenting and discussing projects of 6 to 20-storey high buildings made of wood, as well as the construction of sustainable cities for the ecological transition.

Brazil is now part of this group. AMATA, Triptyque, the Coalizão Brasil Clima Florestas e Agricultura (Brasil Coalition for Climate Forests and agriculture), the IBA, the IPT and ABNT will all take part in the First congress of High-Rise Wooden Building

1st International Congress of wood construction - WoodRise

Bordeaux - France

From September 12th to September 15th

<http://wood-rise-congress.org/>

About AMATA

AMATA is a Brazilian forest management company which holds the firm purpose of keeping the forests standing tall. That's why it operates according to the highest international standards of positive impact and uses high technology as a means to adding value to the forest products that have certification of origin and trajectory. Its forests are 100% FSC certified. AMATA believes that supporting the construction with wooden materials is a great and sustainable form of making good towards its mission.



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About Triptyque

[Triptyque Architecture](#) operates internationally, with headquarters in São Paulo and Paris. Award winning architecture offices, founded in 2000 by partners Greg Bousquet, Carolina Bueno, Gui Sibaud and Olivier Raffaëlli. Triptyque creates projects that allow sensorial experiences. It puts forward an architecture that positively impacts its users, cities and landscapes. A transforming architecture conscious of the climate, economic and cultural changes.

About WoodRise

Agência Lema

Leandro Matulja/ Leticia Zioni/ Larissa Marques

<http://agencialema.com.br/>

Informations to the press:

Ivan Carvalho (+55 11) 3871-0022 branch 235

ivan@agencialema.com.br

Press service Triptyque

Margaux de Noiron: com@triptyque.com