

# BAMBOO REGENERATING OUR FUTURE

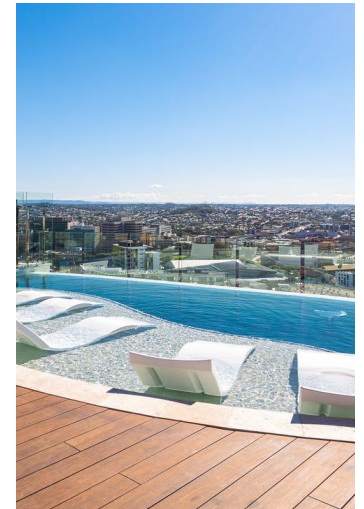
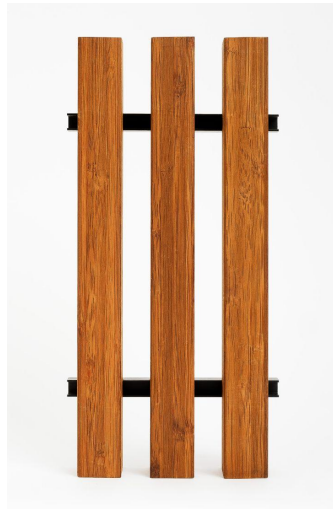
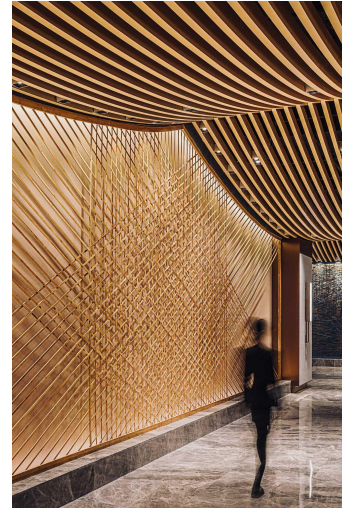
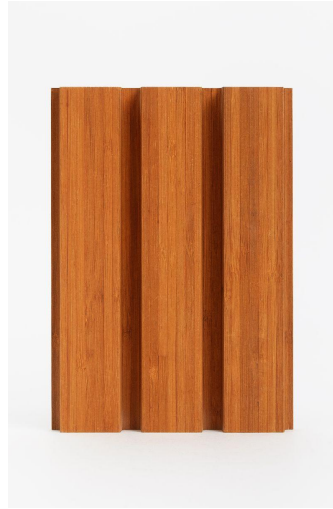
PRESENTED BY

Jennifer Snyders  
BScArch | CEO





# BAMBOO TODAY









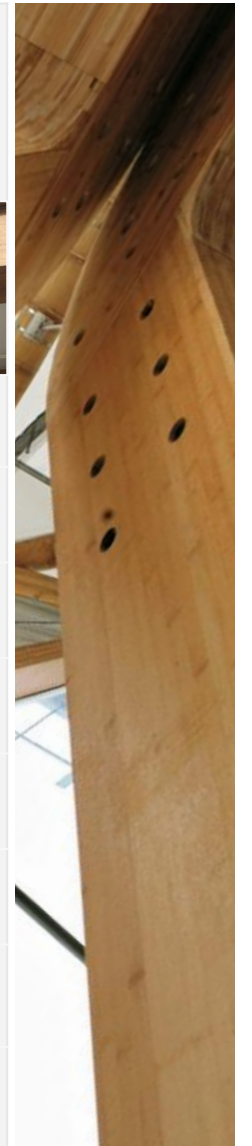
INNOVATING FOR A DECARBONISED TOMORROW IN CLADDING, JOINERY, FLOORING, DECKING, ACOUSTIC PANELS, AND MORE.

# A STRUCTURAL PARTNER FOR TOMORROW'S BUILDINGS

BAMBOO  
REGENERATING OUR FUTURE



MECHANICAL PROPERTIES OF ENGINEERED BAMBOO STRUCTURAL PRODUCTS		LAMINATED VENEERED BAMBOO	SIDE PRESS STRUCTURAL BAMBOO WITH HOOK JOINT	GLULAM BAMBOO	LAMINATED VENEER LUMBER	RADIAL LAMINATED BAMBOO	SEB - STRUCTURAL ENGINEERED BAMBOO
							
Density [kg/m <sup>3</sup> ]		705	650-700	365	800	673	673
Young's Modulus (MOE) [GPa]		9.0	9.7	11	16.8	20.0	20
Flexural Strength (MOR) [MPa]		77.2	56.7	24	75	88.3	88.3
Compressive Strength [MPa]	Parallel	56.9	34.4	21.5	59.4	93.0	93.0
	Perpendicular	19.8	9.9	2.5	14.8	20.9	20.9
Tensile Strength [MPa]	Parallel	60.7	39.9	17	60.0	147.9	147.9
	Perpendicular	4.6	1.9 Edgewise 2.8 Flatwise	0.5	0.6	3.7	3.7
Shear Strength [MPa]		20.0	4.6 Edgewise 6.5 Flatwise	3.5	4.5	20.0	20.0

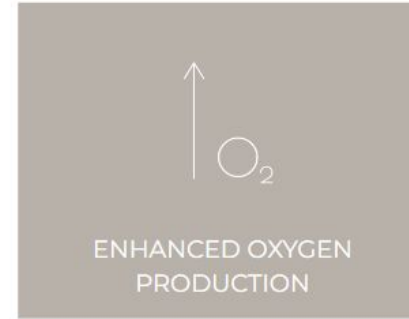
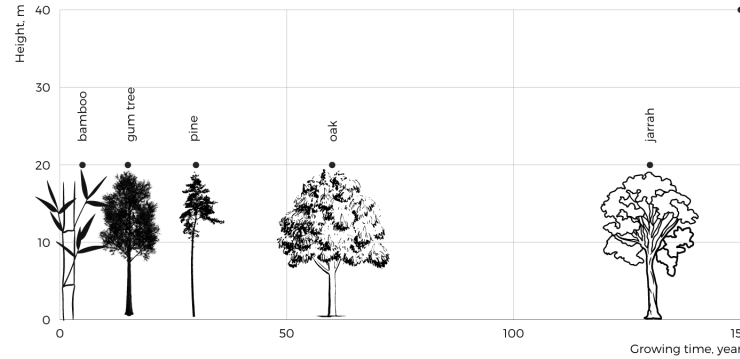


BAMBOO THE UNKNOWN COMPARABLE MATERIAL WITH DISTINCTIVE FEATURES

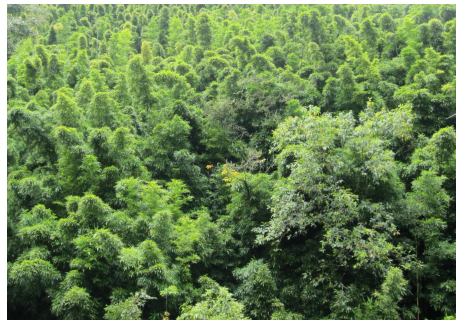


# DESIGNED BY NATURE

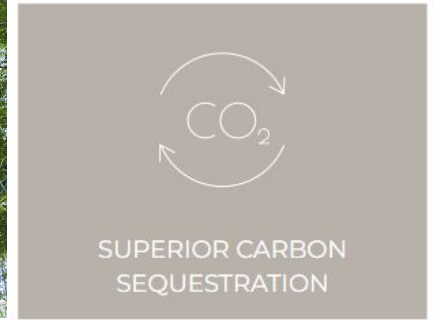
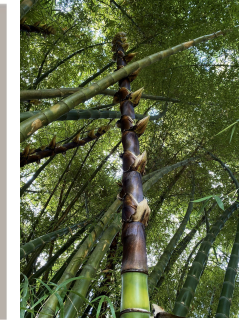
Over 1,500 known bamboo species, spread across different continents. A grass family Poaceae found in diverse climates, from cold mountains to hot tropical regions.



To sustain a bamboo forest or plantation, it's vital to harvest mature culms before they degrade, typically around the 10-year mark; this not only prevents their natural breakdown but also stimulates the growth of new, robust shoots.



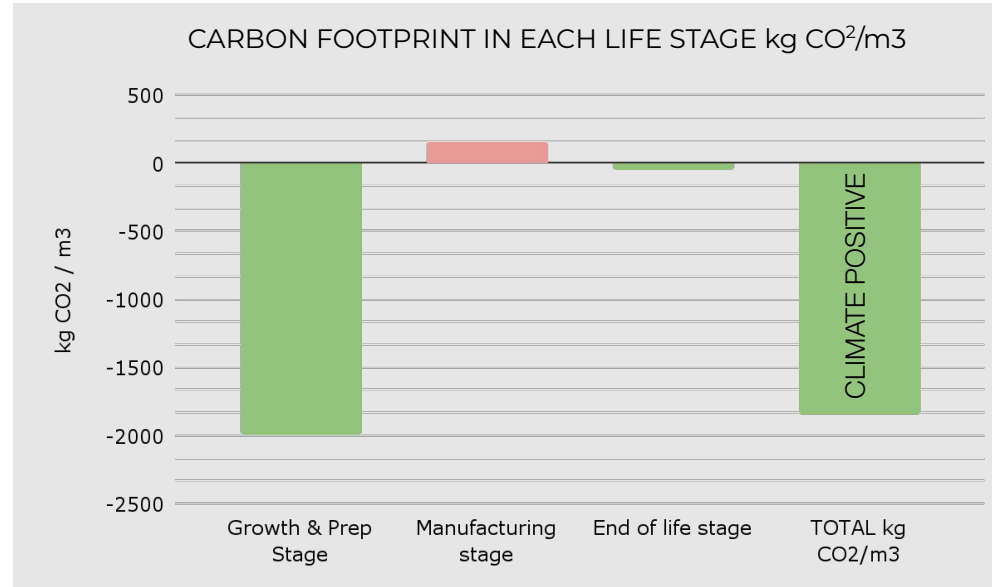
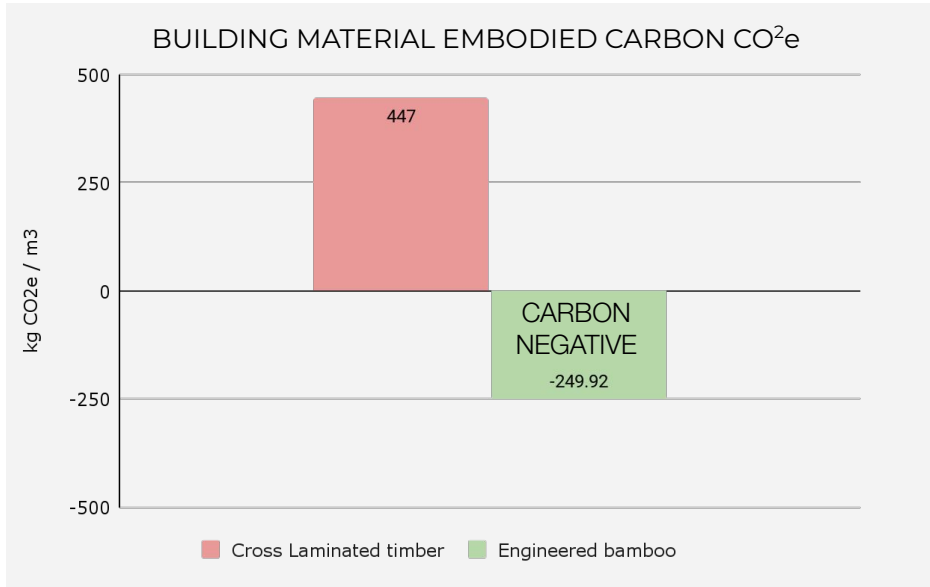
Bamboo coexists harmoniously with surrounding trees, aiding in water retention for both the soil and the trees, while tree roots access deep water for the bamboo; its leaves further protect the soil and replenish nutrients, benefiting the entire ecosystem.



ENDLESS SUPPLY FOR THE CONSTRUCTION INDUSTRY WITH A POSITIVE IMPACT ON THE ENVIRONMENT



# BEYOND BUILDING: BAMBOO'S WIDER IMPACT



- No Deforestation
- Resolves Supply Concerns
- Powers a Sustainable Economy



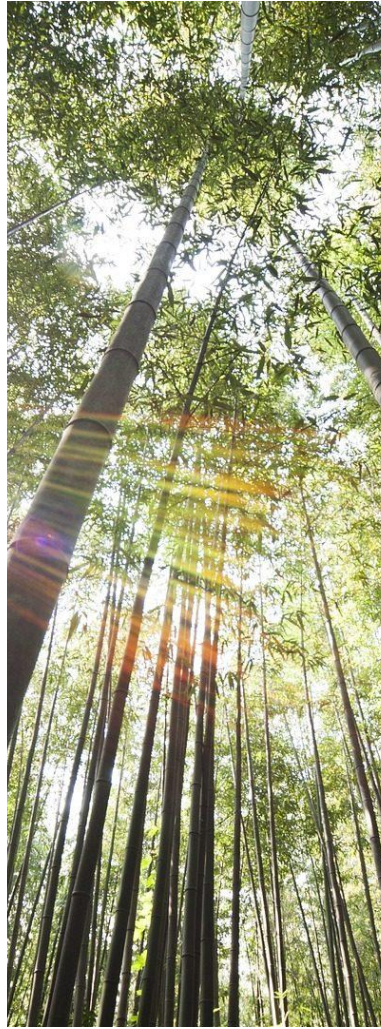
BAMBOO: SCALING PRODUCTION, SHRINKING CARBON FOOTPRINTS



# MEETING THE DEMAND: BAMBOO'S PROMISE



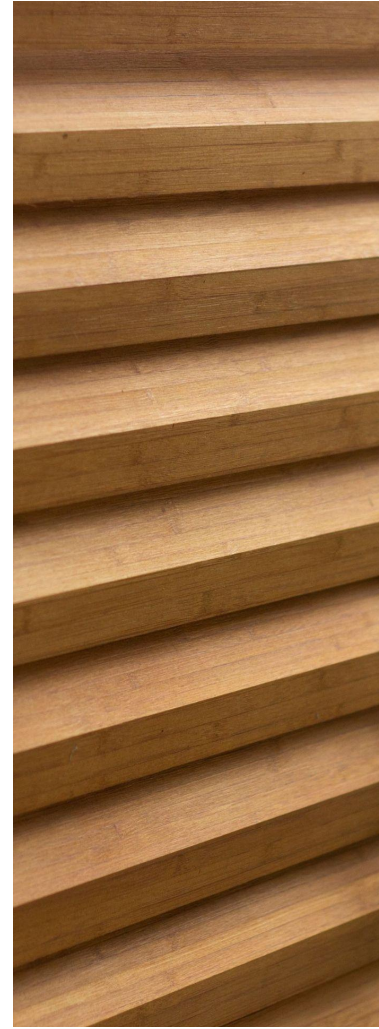
PLANTING



HARVESTING



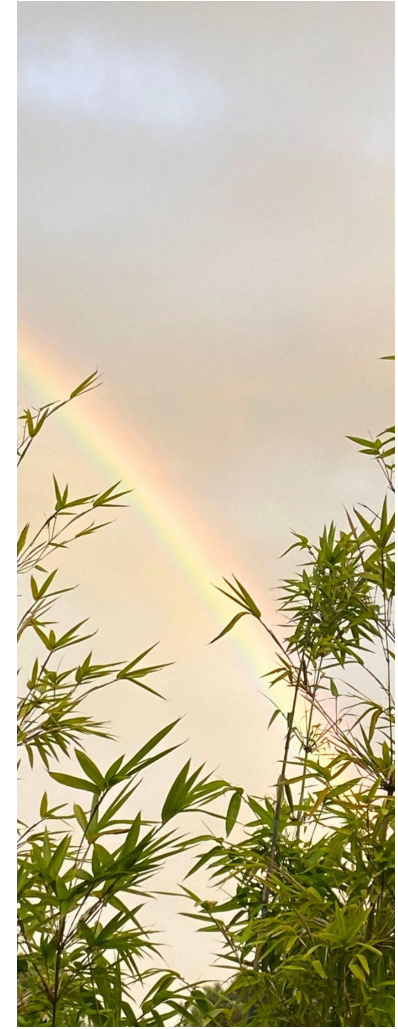
SUPPLY



MANUFACTURING



UPSCALING



BRIGHT FUTURE

ENGINEERED BAMBOO IS NOT JUST A PRODUCT, IT'S A SOLUTION FOR THE FUTURE OF AUSTRALIA'S CONSTRUCTION INDUSTRY.