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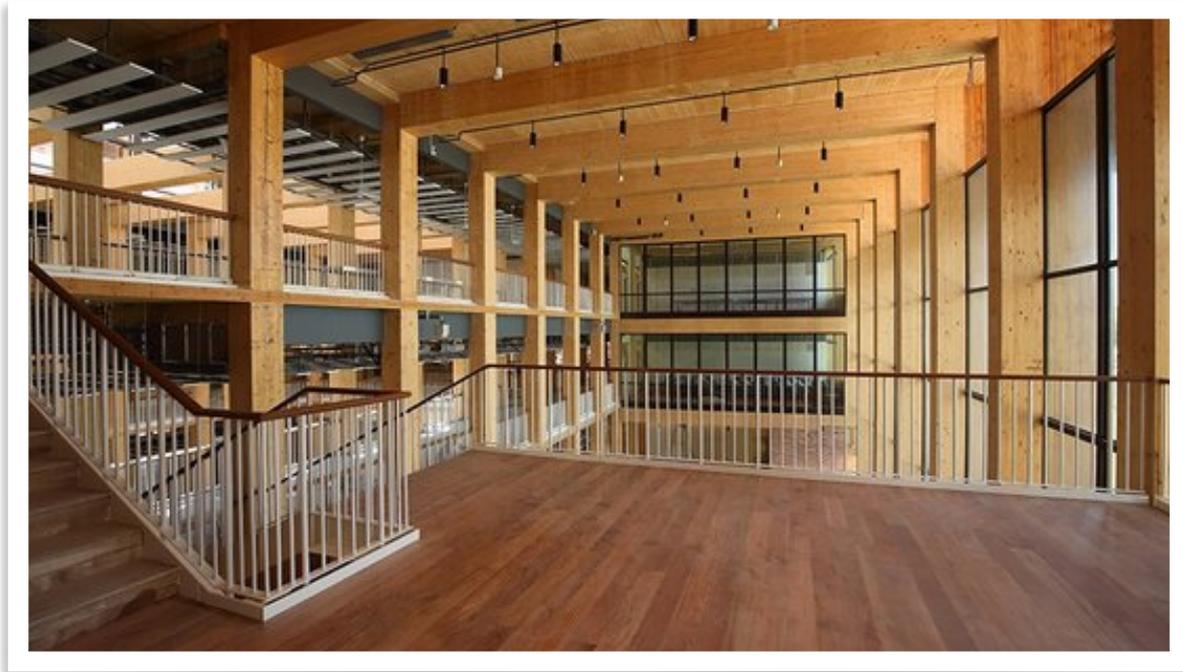
CASE STUDY

NTU GAIA
using
GORI®



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As part of the university's commitment to sustainability, Nanyang Technological University Singapore (NTUSG) formally opened its eighth zero energy building on May 17, 2024, adding it to its record of green initiatives. With a floor area of 468,000 square feet, Gaia is the largest wooden building in Asia, being constructed primarily of bulk lumber. The Building and Construction Authority of Singapore's highest honour, the Green Mark Platinum (Zero Energy) accreditation, is being given to Gaia, the eighth building project on the NTU campus to acknowledge structures that use as much energy as they create. Currently, half of the nation's 16 certified zero energy buildings are found on NTU property. NTU is now Singapore's greenest campus as a result.

The building's wood panels were preserved with Gori 22, a multipurpose wood preservative. The natural oak colour of Gori 44, a wood primer, and Gori 88, a protectant, was selected to accentuate the wood's inherent beauty. These materials improve the building's overall appearance while fortifying it against UV rays, termites, and excessive moisture.