

DORZEhouse

(ARTURO VITTORI BOMARZO-ITALY/CITY-STATE)

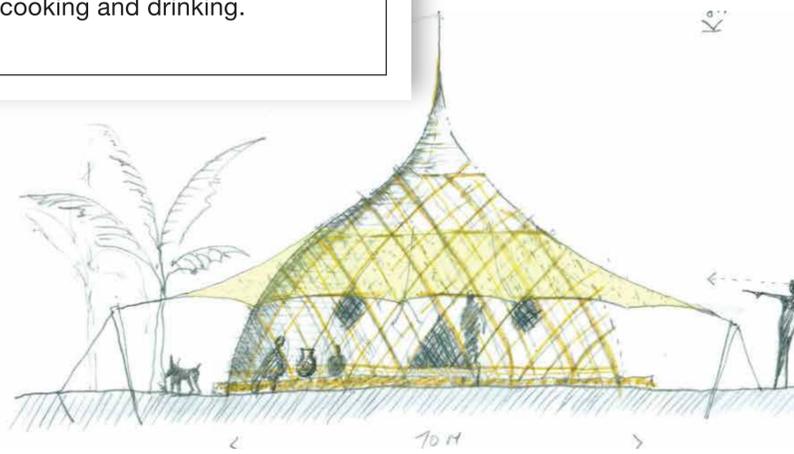
The Dorze people of southern Ethiopia are renowned for their weaving skills and for the large homes they build with bamboo and false banana fibres. The Dorze House design proposes a modern version of a traditional Dorze village house that maintains the local traditions of working with bamboo and natural fibres while offering a higher standard of hygiene and comfort.

The Dorze House is built with woven bamboo, banana tree fibre textiles, polyester textiles and stone blocks. The lightweight housing components can be prefabricated and easily mounted on site or the entire structure can be built locally if materials are available.

The floors are made from bamboo canes and woven carpets that are easy to clean. Five people can sleep comfortably in the 80 m² space. The roof and the mesh canopy deflect heat and keep the interior cool during the day while livestock keep the house warm at night. Mat-lined gables with small holes keep mosquitos out while providing natural ventilation and allowing inhabitants to cook inside. Double layer walls lined with textiles provide good insulation. The house provides basic resources. Solar panels generate energy, a small garden provides fresh vegetables and a rainwater collection system supplies water for cooking and drinking.



Ethiopia, Africa



ASSEMBLY



INTEGRATION



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