

Our intention was to create a highquality ecological house with innovative building techniques and ma-

Due to the strict german building regulations we decided to apply a simple construction and make use of a Bamboo joining technique which has undergone extensive research.

33 Bamboo poles "Guadua angustifolia" carry the roof and characterize each room with their unique beauty.

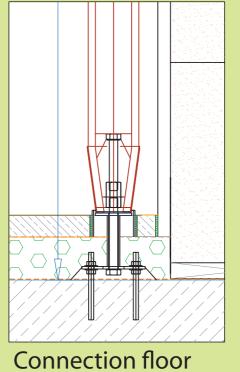
Natural materials are used in order to provide a healthy space and promote ecological building techniques. Curved strawbale-walls plastered with clay provide a very good insulation and consume little energy for production. The green-roof produces extra oxygen in the city.

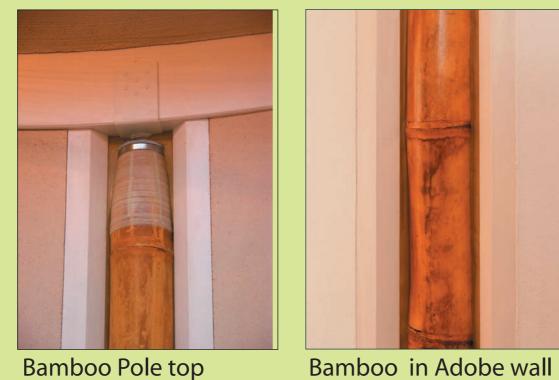
The overall design is inspired by organic forms and shapes in nature.

The building was finished in 2006 and is used as an office. Groundfloor area covers 85 m<sup>2</sup>.













33 Bamboo Poles as loadbearing structure Roof structure







Reinforcement in strawbale wall

All Bamboo poles are visible



Elevation entrance

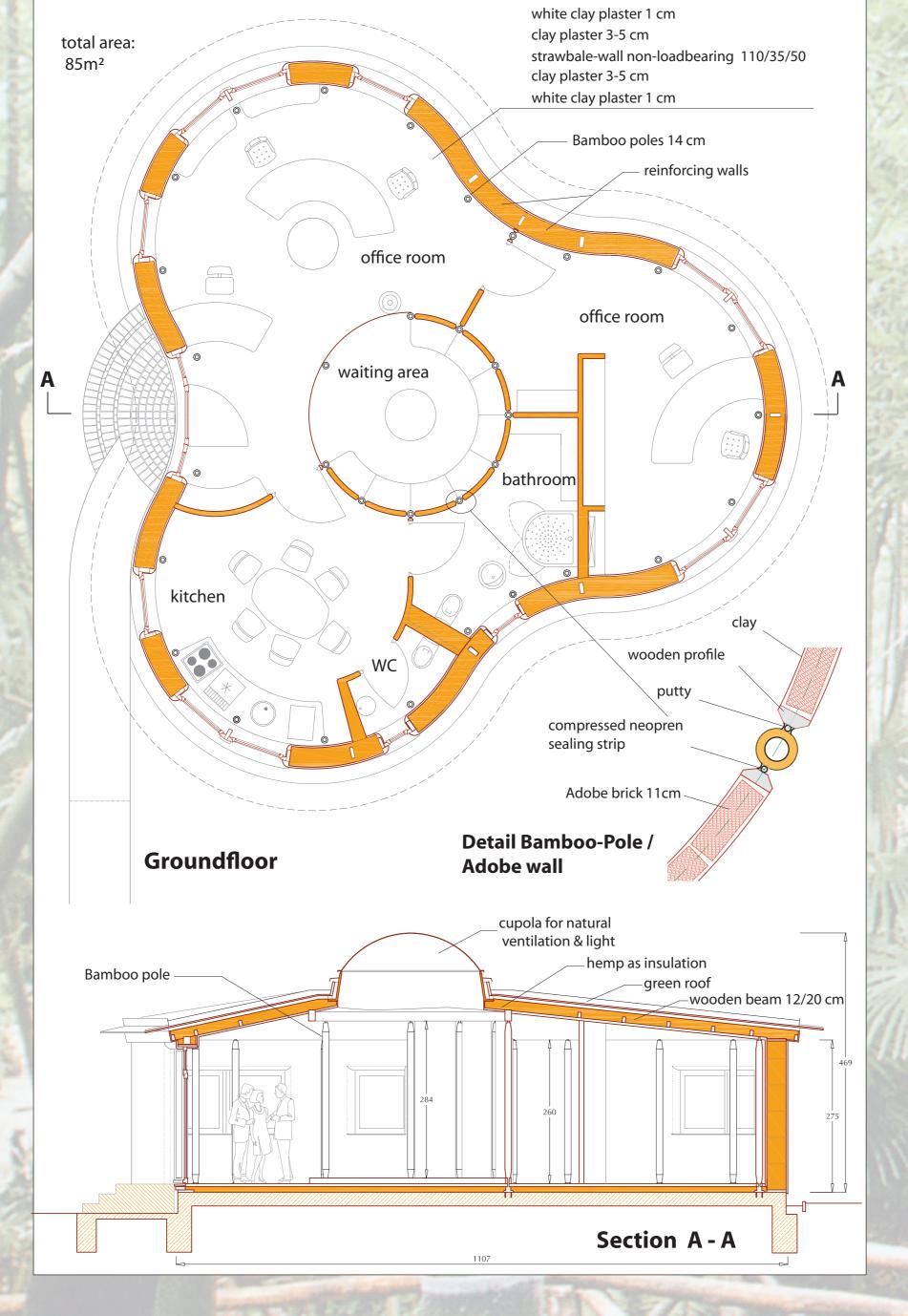




Cupola with Bamboo poles



Main office & clients' area





## Building **Category:**

**Custom Houses** Hybrid Houses **Urban Buildings** 

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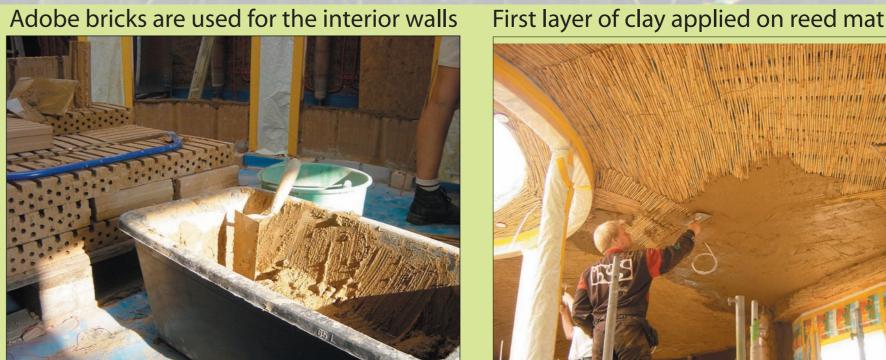


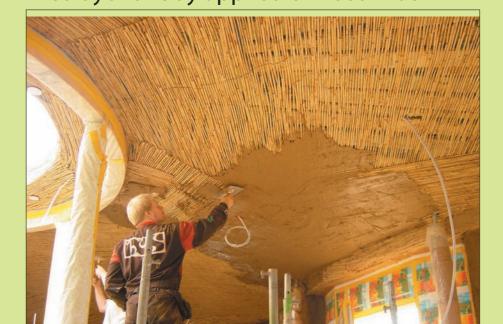
Low primary energy input Straw-bale wall provides high insulation

First layer of clay on strawbale wall



Final layer of white clay





The green roof with cupola for ventilation



