

Sustainability in the Hospitality Sector

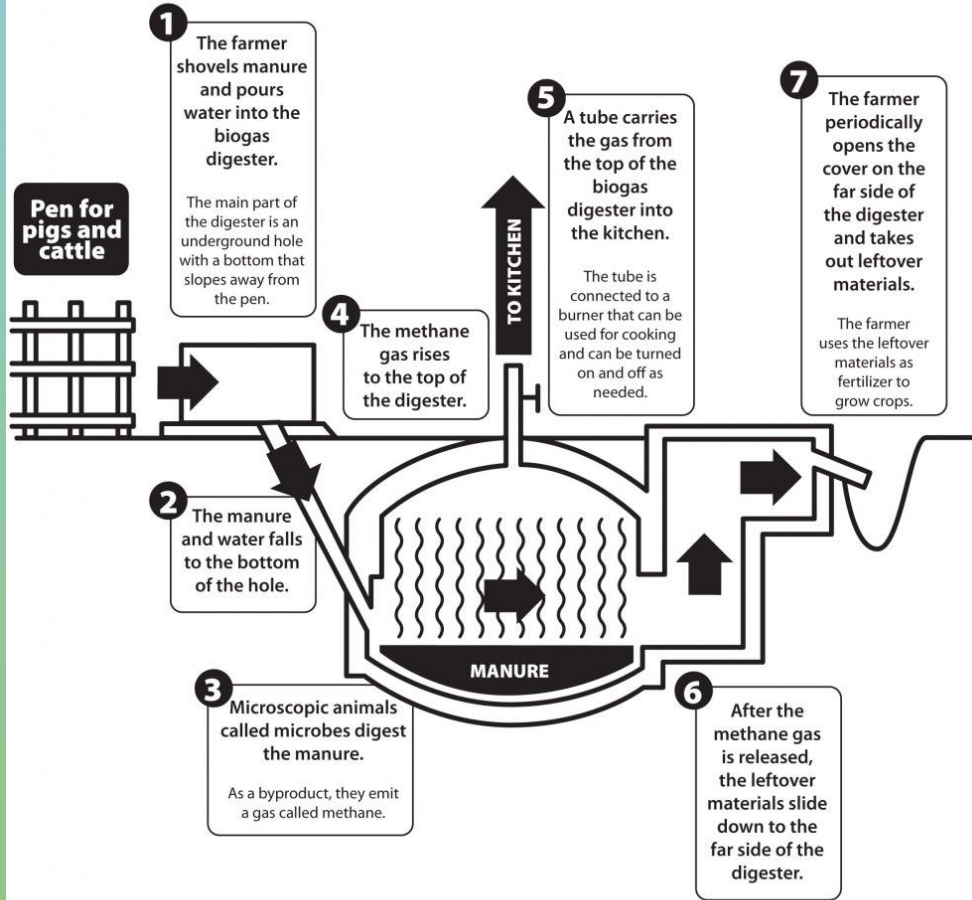
Low-energy and Environmentally Benign Buildings

**Buildings account for close to
40% of all greenhouse gas
emissions**

The operations of buildings account for 30% of global final energy consumption and 26% of global energy-related emissions

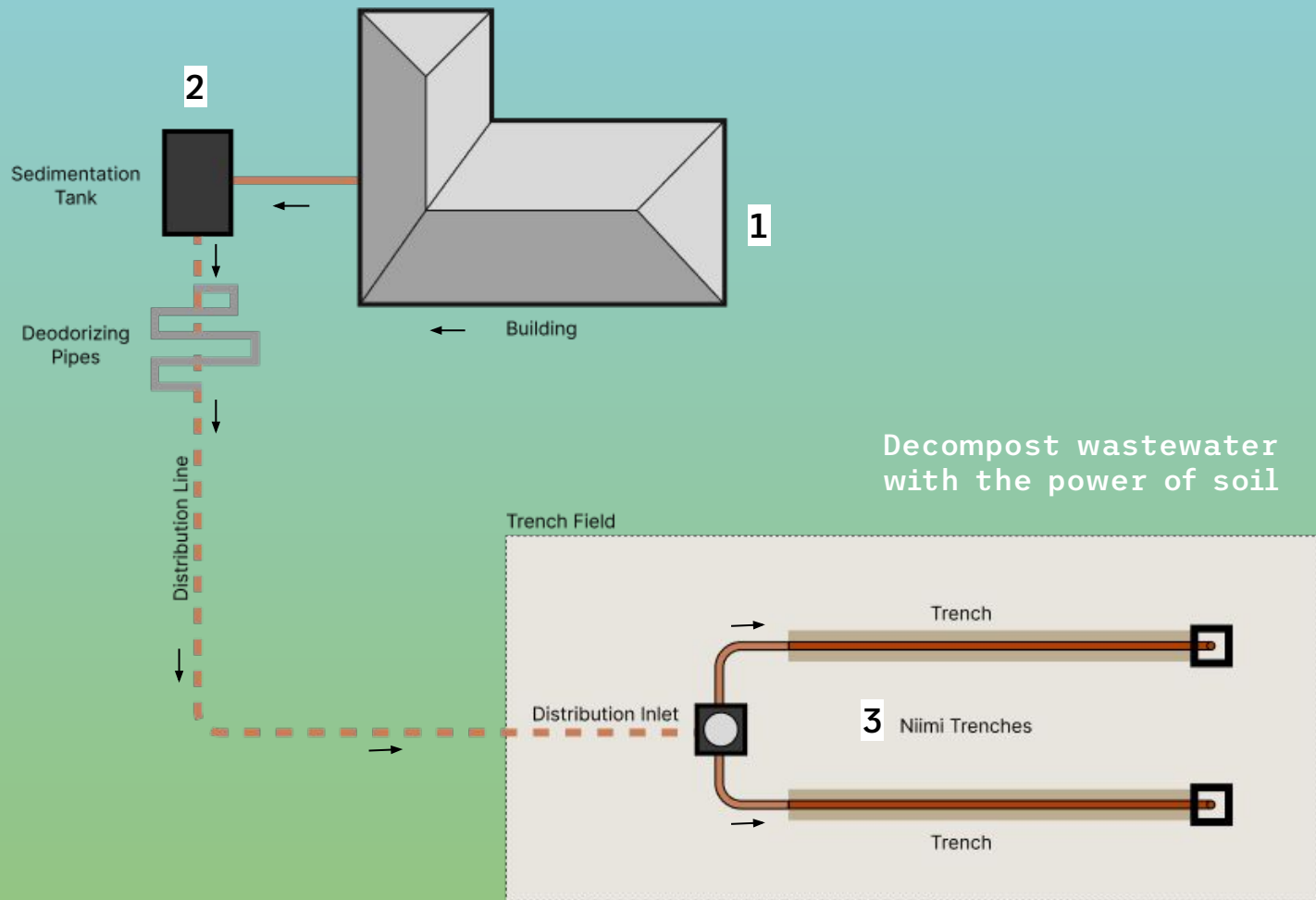
**The hotel industry account for 1%
of global energy-related
emissions**

**Invest in green energy sources
such as solar panels, wind
turbines, or biogas generators
to reduce the reliance on fossil
fuels and lower the carbon
footprint**



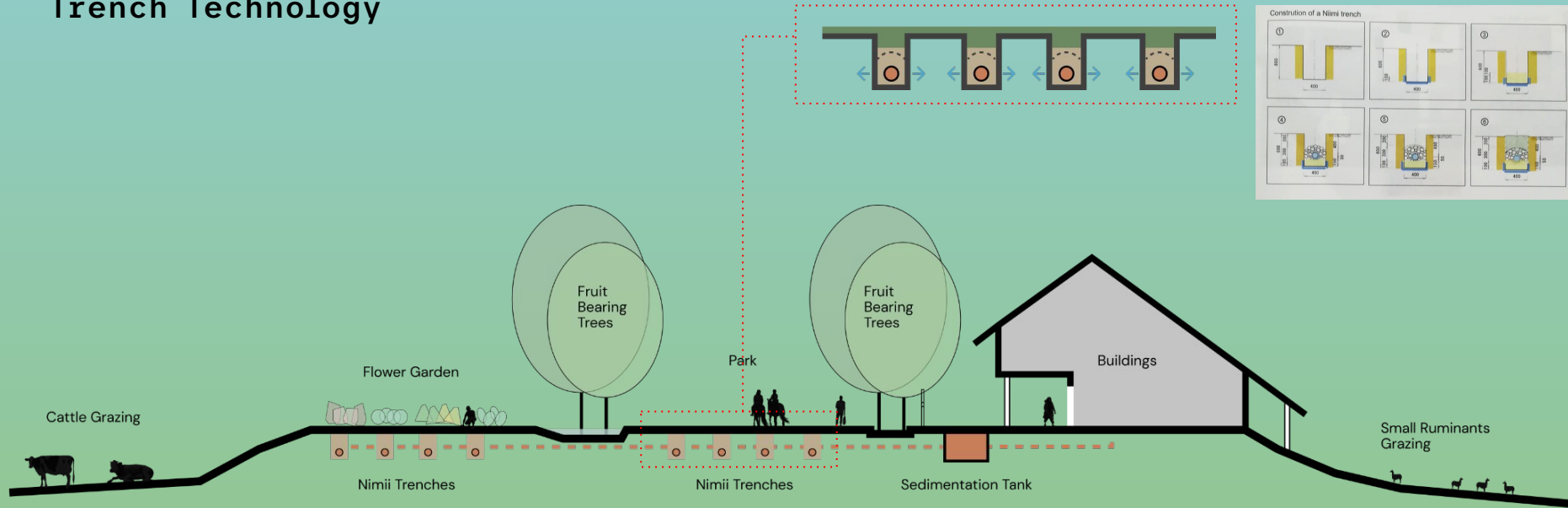
Biogas generators

NIIMI Trench Technology



Natural wastewater treatment using NIIMI Trench Technology

Providing nutrients for the soil using capillary action from waste water.



Niimi trenches provide soil organism with area where they act and also provide people with a park.

Excavation of
Nimii Trench



Creating a 10m
length trench for
the pipes.



Perforated Pipes



Completed
trench lines.



Capillary Sand and Gravel



Laying out of
Crystal Sheet



Increasing energy efficiency

**Reduce reliance on mechanical
airconditioning**

Vernacular Architecture

Vietnam



Philippines

Indonesia





Vietnam

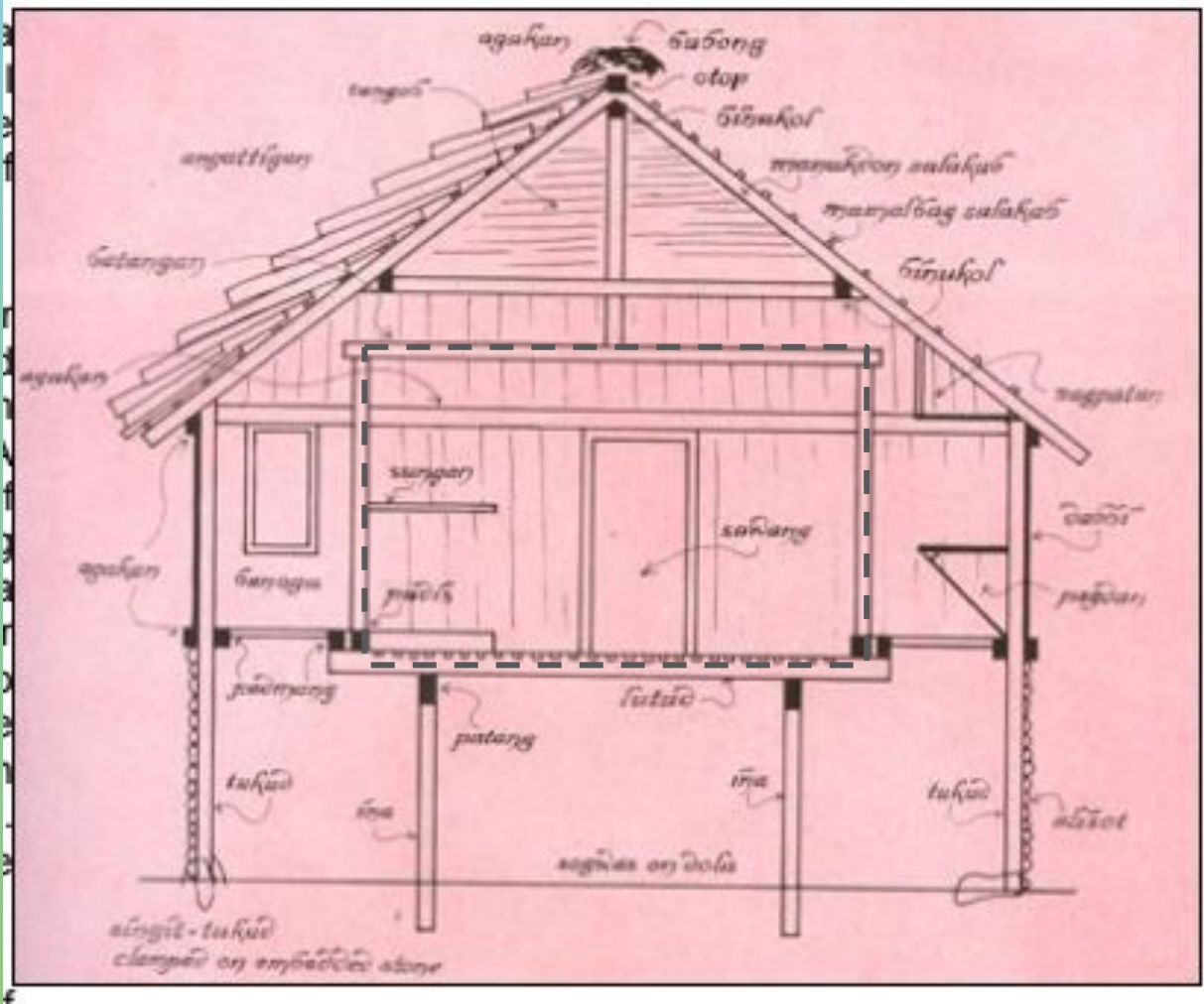
Thailand



Natural Ventilation

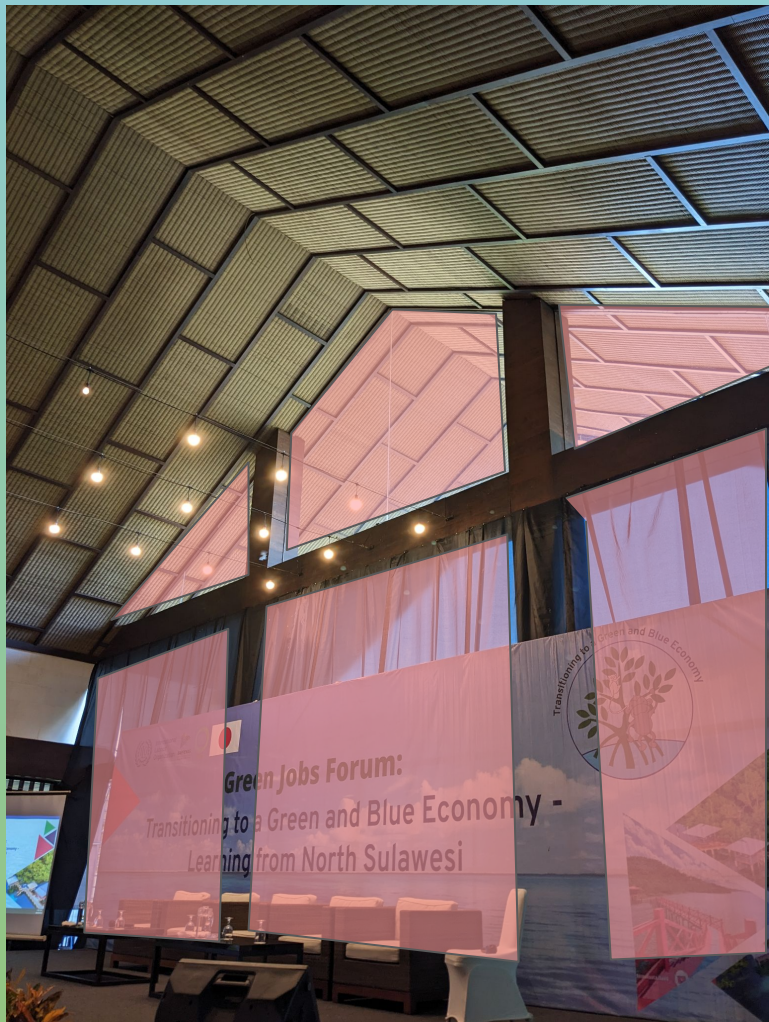
On-stilt Structures

Minimal earth disruption

















Multiple Functions











Low Maintainance







Revisit Traditional Materials



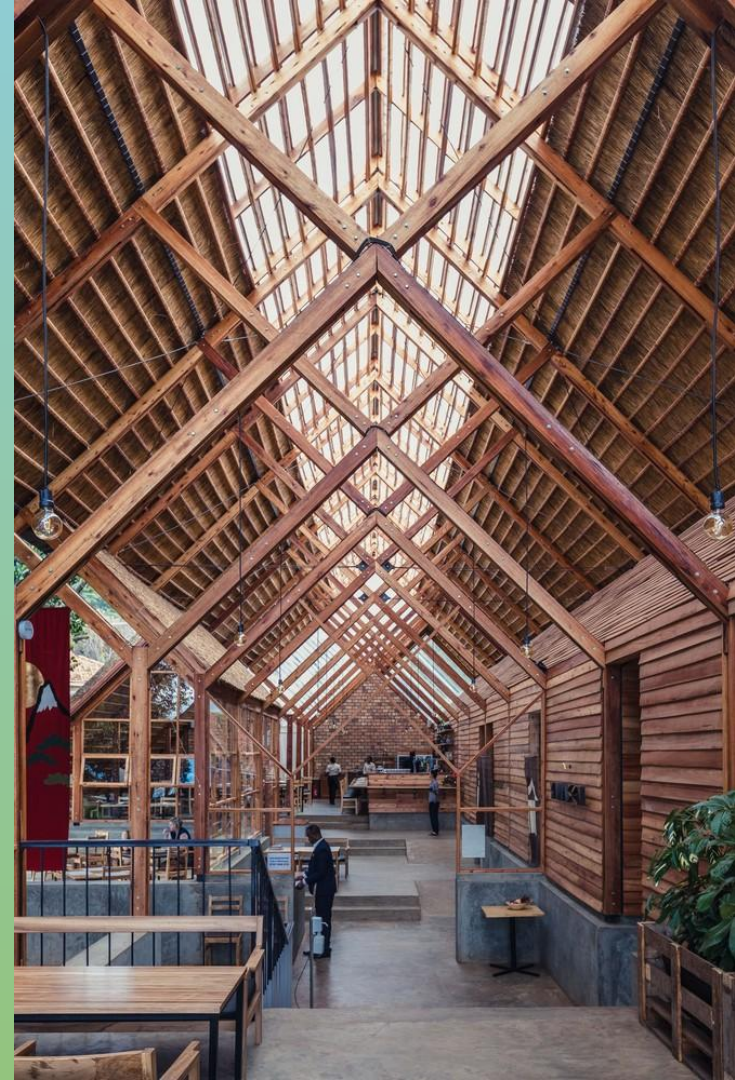
**The Arc Green
School-Indonesia**



Bamboo



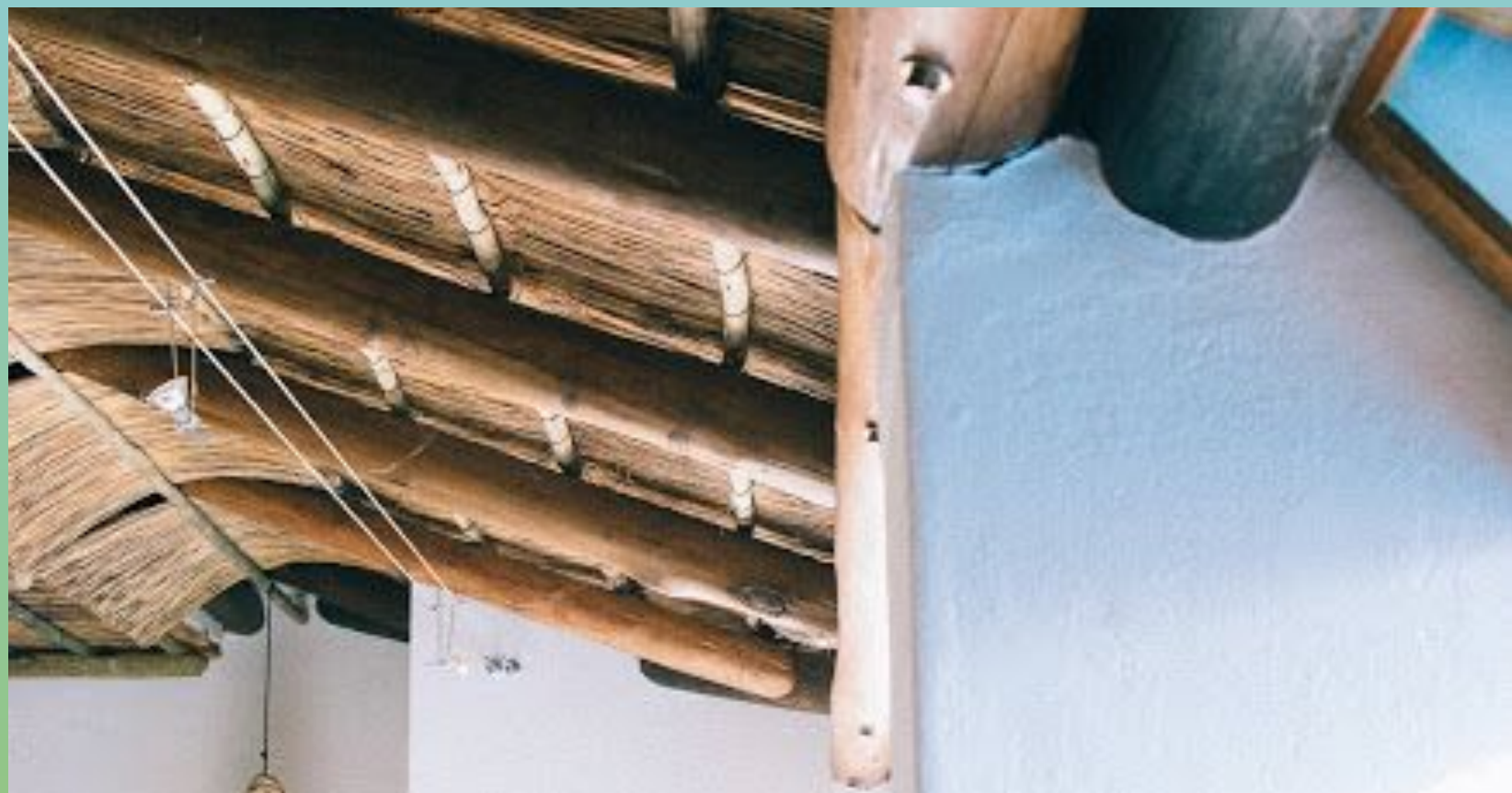
Yamasen Restaurant-
Uganda



Yusuhara Marche
Hotel-Japan

Grass







Abaca



Reinforcing concrete:

Abaca fiber can be added to concrete to improve its flexural and tensile strength, as well as its ductility and crack resistance. Abaca fiber-reinforced concrete can be used for building walls, foundations, roofs, and other structures that are exposed to environmental stress

Making blocks:

Abaca fiber can be mixed with water and lime to form blocks that are similar to concrete blocks, but lighter, stronger, and more insulating. Abaca blocks can also resist fire, pests, and mold.

Providing insulation:

Abaca fiber can be compressed into mats or rolls that can be used to insulate walls, floors, roofs, and pipes. Abaca insulation is breathable, moisture-regulating, and biodegradable. It can also prevent the growth of bacteria and fungi³

Making ropes and nets:

Abaca fiber is very strong and durable, and can be twisted or braided into ropes and nets that can be used for various purposes in construction, such as scaffolding, fencing, safety nets, and suspension bridges .

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Mud



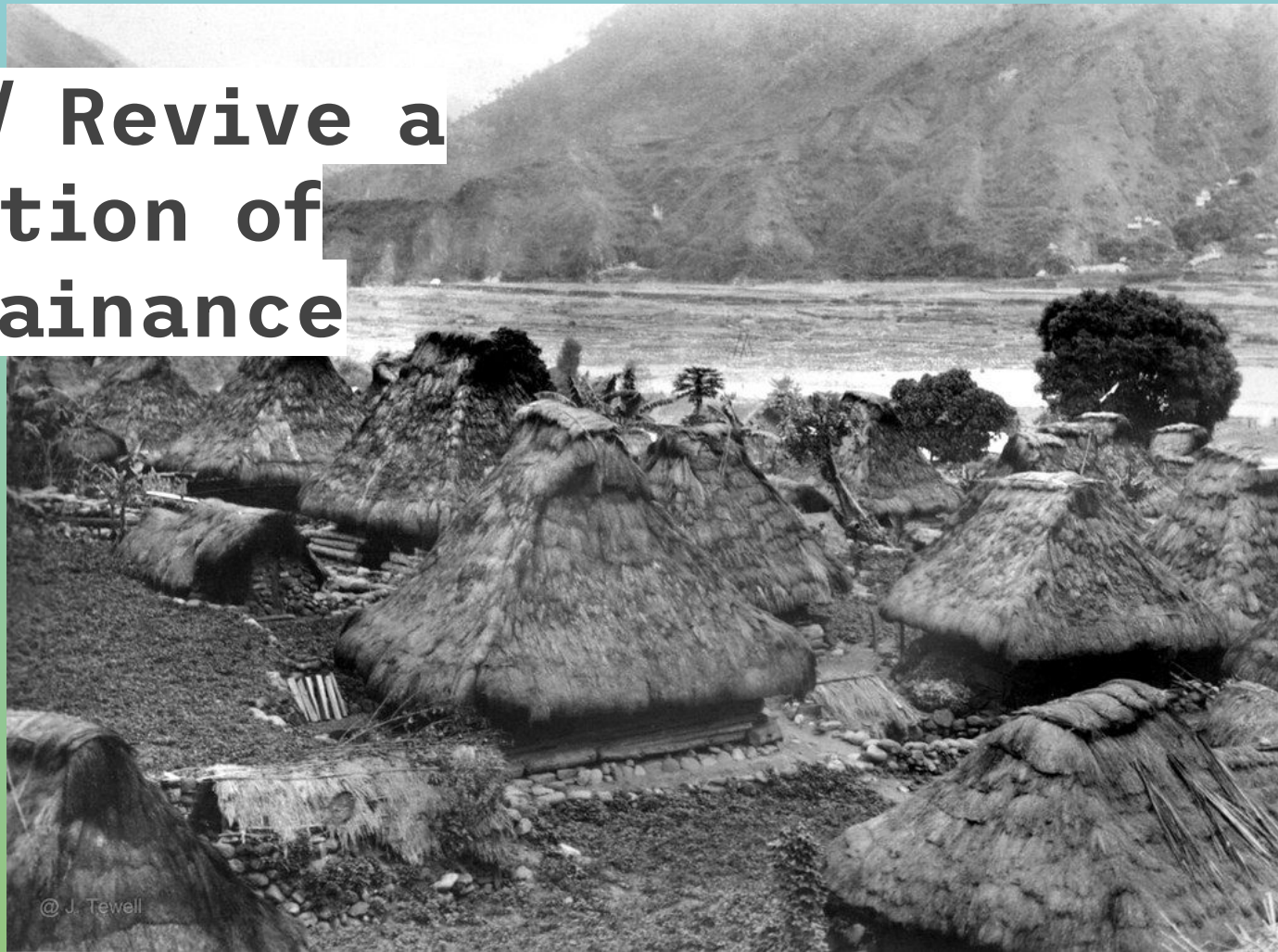
San Bao Peng Art Museum-
Rammed Earth Perimeter
Walls - China



Rammed-earth-earthquake-resistant house - China



**Create / Revive a
tradition of
maintainance**





**Create / Revive
a tradition of
maintenance**

Some Precedents



Xaus Lodge

















Twin/King Bed Chalet



Twin Beds (can be set up as King size standard length on request). Each chalet with its own deck overlooking the waterhole in the pan. Large shower, wash-hand basin and separate flush toilet.

SHOW MORE



Max Guests: 2 (Max 2 adults)
Children: 0 - 11 years pay 30% of the sliding scale rate,
12 - 16 years pay 50% of the sliding scale rate

SPECIAL

From **R7,800.00**
Per night for 2 adults

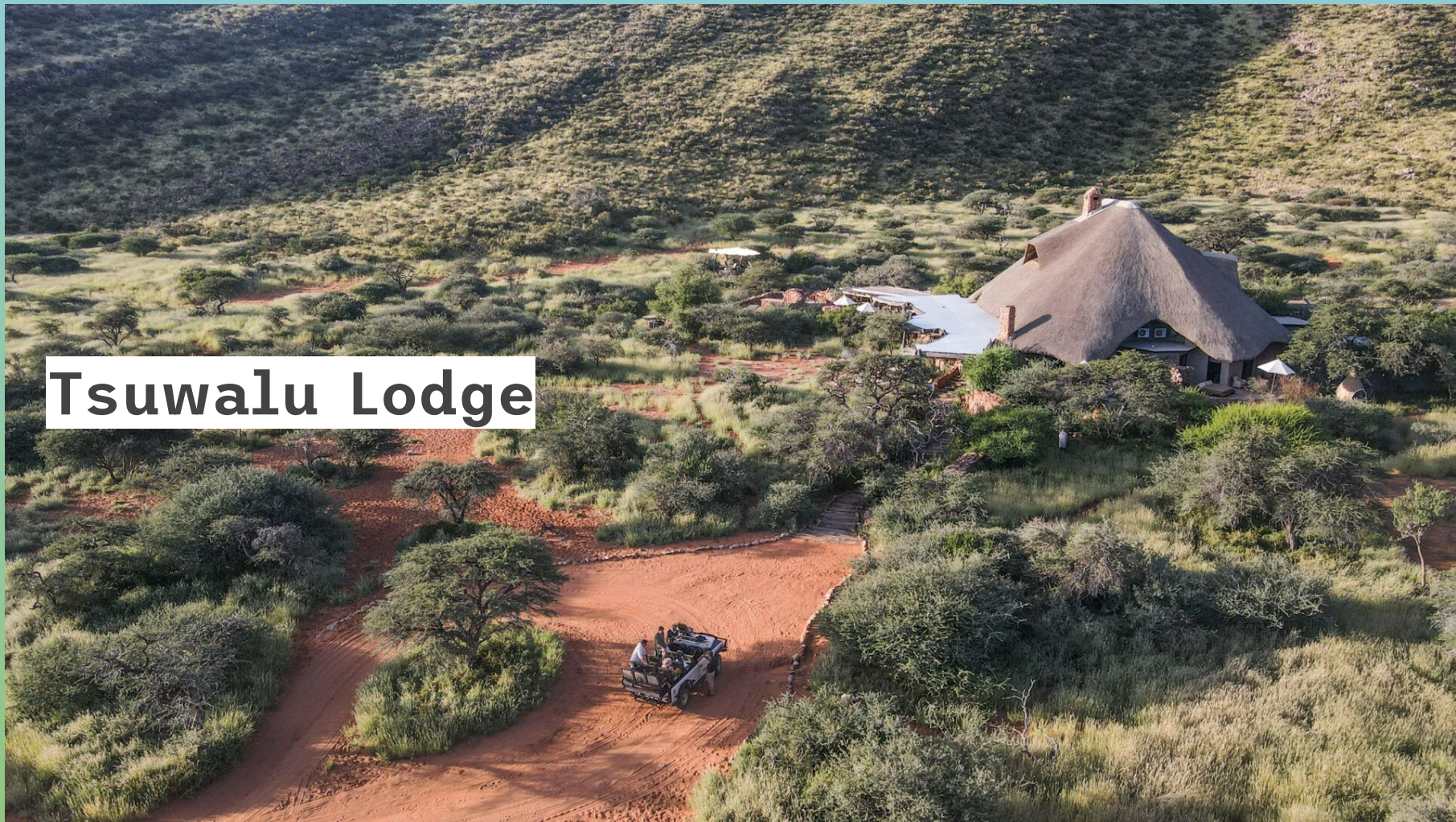
HIDE RATES

Available Rates

6,325,165.86 Rp

Fullboard	1 Guest	2 Guests
Daily Rate (Min Stay 2 Nights)	R7,440.00	R11,450.00

Tsuwalu Lodge



















TSWALU EXPERIENCE - TARKUNI

Set amid two rolling mountain ranges, Tarkuni is an oasis of serenity with beguiling views on every side. The private homestead offers five luxurious en-suite bedrooms for the exclusive use of a multigenerational family or a party of friends, each with its own private deck and star bed and boasts a vast open-plan lounge and dining room, an intimate mezzanine library, and a spa therapy suite. A covered deck leads to a private tsala and swimming pool. Minimum 2 night stay.

TARKUNI HOMESTEAD

Exclusive use	Limited to 10 persons (5 suites)
ZAR 245 300	8-10 guests
ZAR 216 100	7 guests
ZAR 193 200	6 guests
ZAR 170 300	5 guests
ZAR 137 300	1-4 guests

111,095,861.90 Rp

RATES EXCLUDE

- Transfers to and from Tswalu
- Gift shop purchases
- Malori sleep-out deck
- Spa treatments
- Tswalu Foundation donations
- Gratuities (a guideline of R4000 per day exclusive use: R1300 guide/R1300 tracker/R400 general staff/ R1000 Tarkuni staff)

THE KRAAL

Nett rates stipulated for guides, pilots, tutors.

ZAR 3 000	Rate per person including all meals served at The Kraal
ZAR 5 500	Rate per person including meals and activities with their guests at Loapi/ Motse/ Tarkuni
ZAR 3 750	Rate per guide joining guests at Klein JAN restaurant

Mashpi Lodge



Under





