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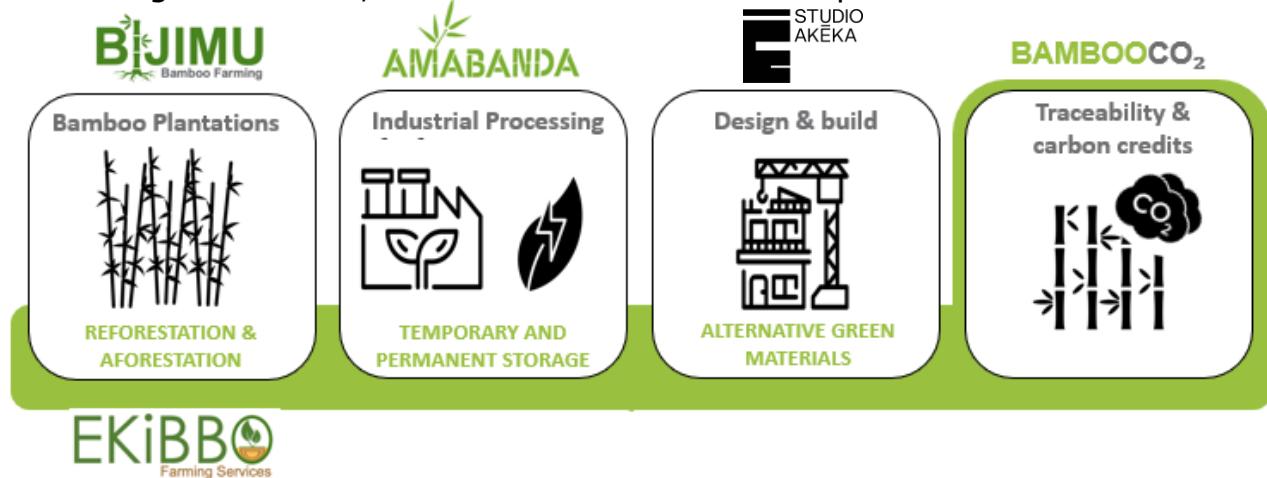
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Is a member of



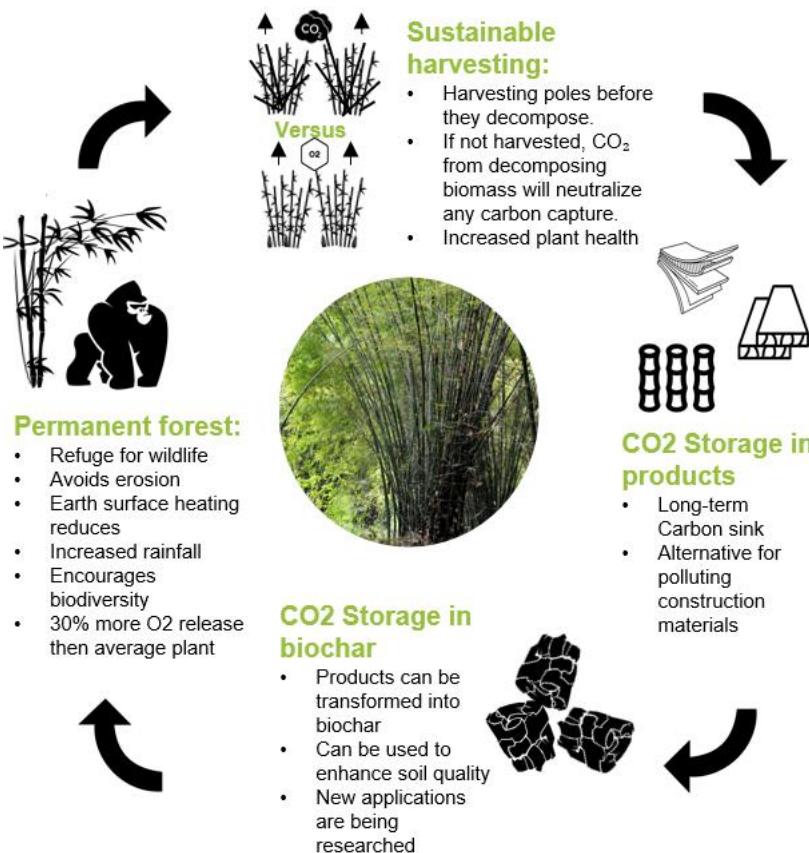
Maximizing economical, social and environmental impact all over the value chain



At Bamboo Uganda we tailor the whole value chain around the unique capabilities of bamboo and as such maximise its social, economical and environmental impact!

Bamboo has a unique growing pattern. To optimize plant health, lifespan and carbon uptake, every year ¼ of a bamboo plant needs to be harvested. A permanent forest thus remains, with all its climatological, conservation and ecological benefits.

Transforming sustainably harvested poles into long-term construction materials or inactive biomass (biochar), provides a carbon sink that is equivalent to the carbon uptake of a full bamboo forest every 4 years.



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Product Catalogue

Version: 07/11/2024

All prices are including 18% VAT and can change over time

Our quality standards

Sustainable harvesting

Our bamboo is harvested using sustainable practices that ensure both environmental preservation and exceptional product quality. We follow a careful 4-year cycle, where only the bamboo poles that have reached four years of age are harvested. These poles have optimal strength and reduced sugar content, which makes them more resistant to pests and decay. By selectively harvesting mature bamboo, we promote continuous growth and natural regeneration, preventing overharvesting and preserving the ecosystem. This approach ensures that our bamboo is not only durable and resilient but also environmentally sustainable.



Before sustainable harvest



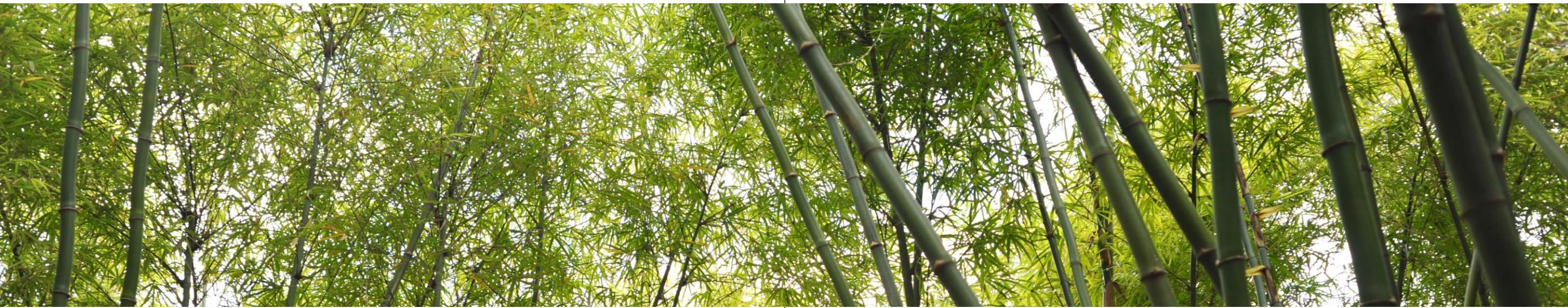
After sustainable harvest

Treatment

The bamboo undergoes a meticulous treatment process to enhance its longevity. We treat each pole using a 10% solution of boron salts, a safe preservative with limited impact on the environment, to protect against pests, fungi, and decay. This treatment is applied through either dipping and vertical soak diffusion methods, ensuring thorough penetration of the preservative into the bamboo fibres. This process not only safeguards the structural integrity of the bamboo but also preserves its natural beauty, providing a high-quality, long-lasting product that meets the highest standards of excellence.



Bamboo poles



**Bambusa Vulgaris
Vitata (Yellow)**



25.000 UGX



Length: 6 meters
Diameter: 80 – 120mm
Untreated price: 14.000 UGX

**Bambusa Vulgaris
Vulgaris (Green)**



17.500 UGX



Length: 6 meters
Diameter: 55 – 75mm
Untreated price: 8.500 UGX

**Dendrocalamus
Asper**



18.500 UGX



Length: 7 meters
Diameter: 60 – 80mm
Untreated price: 9.500 UGX

**Dendrocalamus
Giganteous**



95.000 UGX



Length: 9 meters
Diameter: 180 – 240mm
Untreated price: 65.000 UGX

Bamboo poles



**Phyllostachys
Aurea**



10.500 UGX



Length: 4 meters
Diameter: 30 – 40mm
Untreated price: 7.500 UGX

**Oxytenanthera
Abyssinica**



11.000 UGX



Length: 4 meters
Diameter: 30 – 40mm
Untreated price: 7.500 UGX

**Dendrocalamus
Strictus**



11.000 UGX



Length: 4 meters
Diameter: 30 – 40mm
Untreated price: 7.500 UGX

As bamboo is a natural material not every pole is exactly the same, and there might be some variations in the diameter of the poles.

For the length These are our standard lengths based on average poles. However custom lengths based on special client requests, can be provided.

Let us know your specifications, and we'll ensure you receive the exact dimensions needed for your project.

Strips & splits



Length: 5 m
Thickness: 10 mm
Width: 30 mm

**3.000 UGX
per split**



Length: 1 m
Thickness: 8 mm
Width: 18 mm

**1.850 UGX
per strip**



Strips and splits are the basic building blocks widely used in construction and manufacturing. Bamboo splits are naturally curved sections of bamboo, made by splitting the pole vertically in different segments. Splits are often used in fencing, roofing, or as structural elements in traditional construction. Strips at the other hand are made of splits by sawing and sanding. Strips are commonly used as a basis for laminated boards, flooring, or furniture. Both strips and splits retain the strength and flexibility of bamboo, offering versatile, sustainable options for a variety of applications where lightweight yet durable materials are required.

**Buy strips and splits to develop your own project
OR share your needs and we design and make it
for you... call us for quotes.**



Bamboo fencing



BVG strip panel
Lightweight
180cm x 90cm
Thickness: 1,5cm

35.000 UGX
sq/m



PA pole panel
Lightweight
180cm x 90cm
Thickness: 3cm

80.000 UGX
sq/m



BVG open wall
See through
180cm x 90cm
Thickness: 6cm

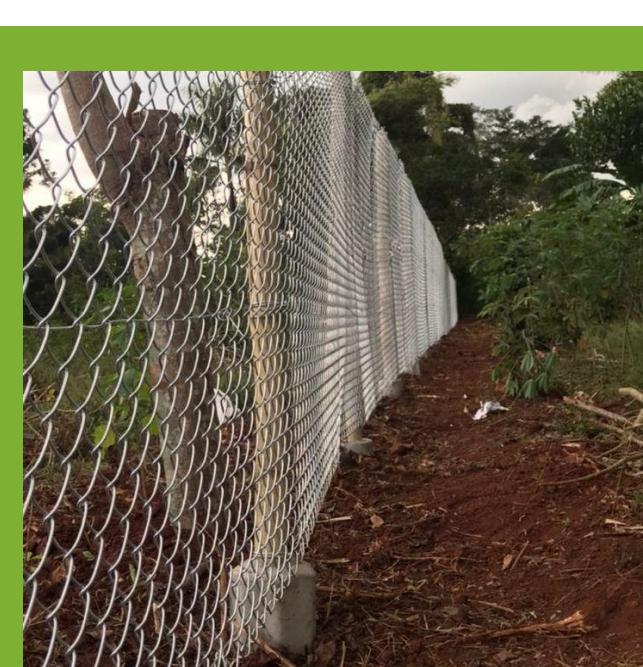
60.000 UGX
sq/m



BVG pole panel
Strong
180cm x 90cm
Thickness: 7cm

60.000 UGX
sq/m

Above sizes are standard and can be modified to suit client specific needs

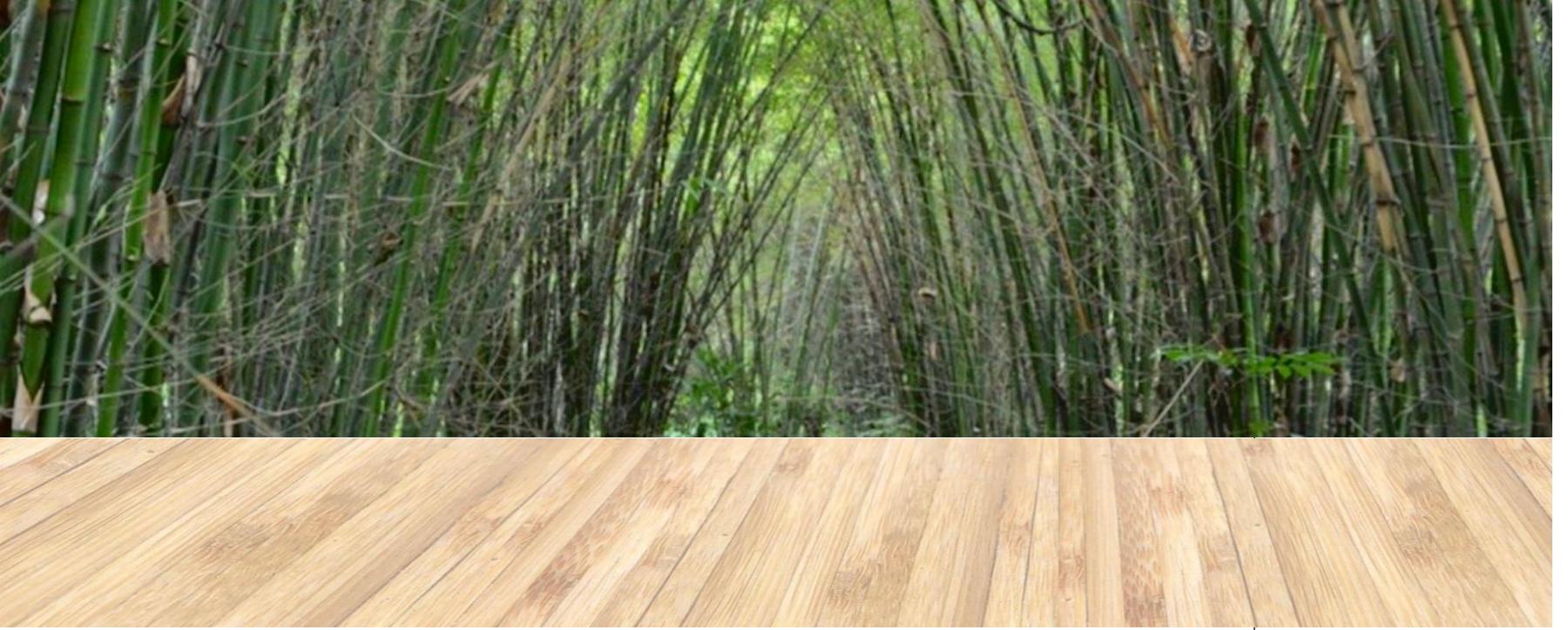


Customized fencing solutions

We offer a range of customized bamboo fencing solutions to suit your specific needs, whether for functional or decorative purposes.

Our bamboo poles can be tailored to support wired mesh, barbed wire, or fully enclosed fencing for added security, as well as beautifully crafted decorative fencing for aesthetic appeal. Durable and versatile, our bamboo fencing is an eco-friendly choice that blends seamlessly with natural surroundings while providing strength and longevity.





Laminated Timber

Laminated bamboo timber is a versatile, high-performance material engineered by pressing and gluing bamboo strips into solid, durable planks. This process enhances the material's strength, allowing it to be used in structural applications like beams, flooring, and furniture. The precise lamination technique ensures uniformity, offering greater dimensional stability and resistance to warping compared to traditional wood. Its smooth, sleek finish and impressive load-bearing capacity make laminated bamboo timber ideal for modern construction projects where both aesthetics and durability are essential.



Interlinking bamboo floor tiles offer a practical and stylish solution for flooring, featuring a click-lock system that makes installation quick and seamless. These tiles are made from laminated bamboo strips, providing strength and durability while maintaining the natural beauty of bamboo's grain.

Price: 420.000 UGX sq/m
Excluding installation

We offer custom-sized laminated bamboo timber to meet the specific needs of our clients, ensuring versatility across various applications. Whether you need precise dimensions for window frames, furniture inlays, or decorative accents, our laminated timber can be tailored to fit your design and structural requirements. This allows for seamless integration into diverse projects, from interior design elements to functional architectural pieces.

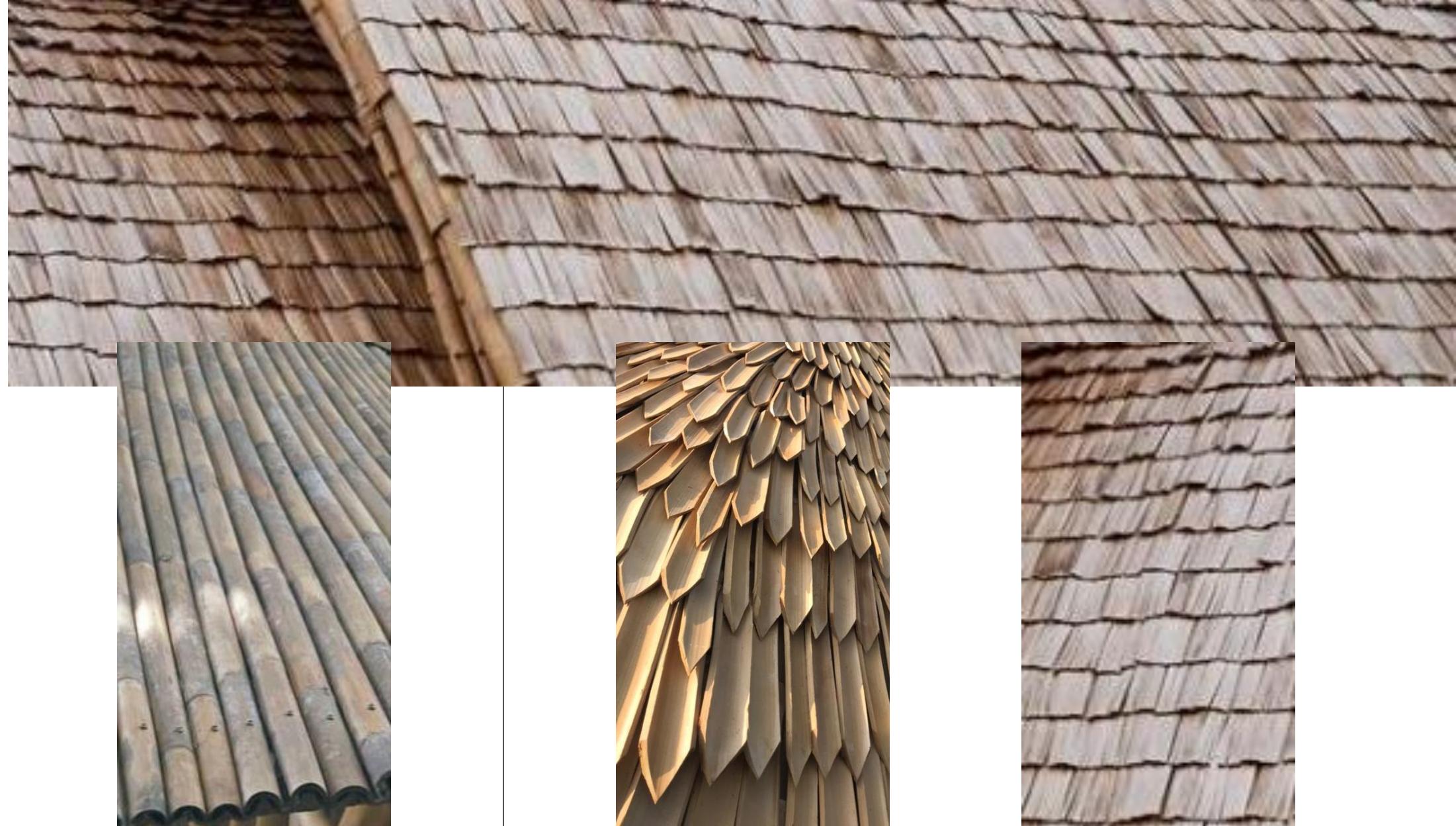
Price: 400.000 UGX sq / m
Please contact us for specific quotes



Roofs

All 3 proposed roofs on this page require a minimum roof pitch of 40 degrees and the rafters should not be placed further than 50 cm apart from one another. Finally, the roof ridge should be covered properly.

Amabanda Uganda Ltd. normally applies a 3 layered hybrid roofing technique where a first layer is placed for interior aesthetics, then a waterproofing membrane and final the aside depicted bamboo as a final layer.



Interlocking halved bamboo
Estimated price inc. installation
100.000 UGX sq/m

Bamboo Shingles
Estimated price inc. installation
150.000 UGX sq/m

Flattened Bamboo Pelupuh
Estimated price inc. installation
135.000 UGX sq/m

Bamboo roofs offer a sustainable and eco-friendly alternative to traditional roofing materials, combining natural aesthetics with durability. Bamboo, known for its strength and flexibility, is an ideal choice for roofing in tropical and temperate climates. When properly treated, bamboo roofing can withstand harsh weather conditions, including heavy rain and strong winds, while providing excellent insulation against heat. The interlocking structure of bamboo poles, the shingles or the flattened bamboo (pelupuh), creates a unique design, blending seamlessly with nature. Additionally, bamboo is a fast-growing and renewable resource, making it a green building solution for those seeking to minimize their environmental footprint without sacrificing quality or beauty.

Biochar



**Bamboo Biochar
750.000 UGX per ton**

Amabanda Uganda Ltd. is in the process of acquiring certified carbon credits for returning the carbon stored in the bamboo, permanently back into the soil.

Biochar is a carbon-rich product created by heating organic materials like bamboo in a low-oxygen environment, a process known as pyrolysis. This eco-friendly material has numerous applications, particularly in agriculture, where it improves soil fertility by enhancing water retention, nutrient availability, and microbial activity. Biochar also helps sequester carbon, making it an effective tool for mitigating climate change. Additionally, it can be used in water filtration, as a fuel source, or even as an additive in construction materials, showcasing its versatility as a sustainable solution with both environmental and economic benefits.

At Amabanda Uganda Ltd. we use a Kontiki kiln to carbonise our bamboo. A kontiki kiln is a cone shaped kiln in which a flame curtain ensures that oxygen is removed from the lower layers of the kiln, providing an enabling environment for pyrolysis.

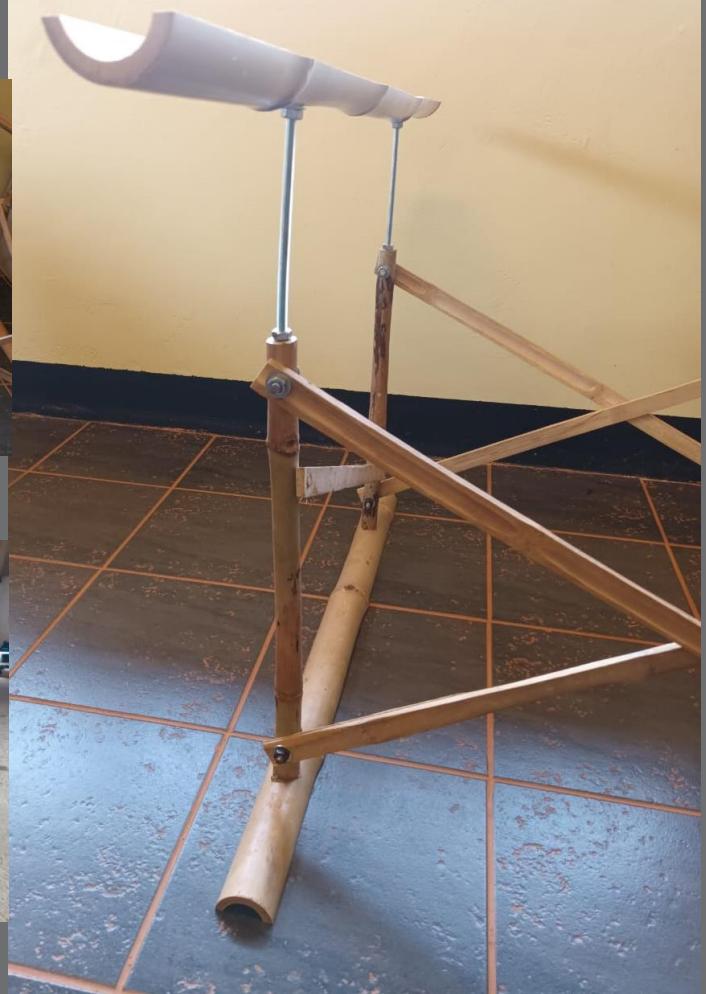


Innovative Solutions

Often you don't know that your solution is just Bamboo!!!

At Amabanda Uganda Ltd., we believe **bamboo** offers a world of innovative possibilities to solve a wide range of challenges. As a versatile and renewable material, bamboo is not only sustainable but also incredibly strong, adaptable and affordable. Whether you're looking for eco-friendly construction, unique design elements, or durable infrastructure solutions, bamboo can meet your needs. Our expertise in working with bamboo allows us to create custom solutions tailored to your specific requirements, ensuring you benefit from both innovation and sustainability. With bamboo, we can help you tackle your projects, within budget, with creativity, durability, and a commitment to a greener future.

One of our clients approached us with an idea of bamboo pit latrines. Together we came up with a bamboo lining to ensure the structural integrity of the pit. This solution is over 10 times cheaper than the traditional concrete culverts that are traditionally used. Additionally the bamboo lining decomposes together with the human waste once the pits are full and are thus way better for the environment. Today over 100 bamboo pit latrines have been installed in Uganda.



A second example of an innovative solutions is a custom made bamboo support system for drainage gutters in industrial agriculture. This system is designed to be adaptable, allowing the gutters to be easily adjusted to maintain the correct water level. By using bamboo, we provided an environmentally friendly alternative to conventional materials, while ensuring durability and cost-effectiveness.

For a client seeking an alternative to metal drainage gutter rosters, we proposed a solution made entirely from bamboo. The rosters were crafted using bamboo slats, with all connections secured by bamboo dowels, eliminating the need for metal fasteners. The bamboo rosters are strong enough to support heavy loads, yet lightweight and easy to install, offering a competitive and environmentally conscious alternative to traditional metal rosters. The client allows us to monitor the product for durability.



Events



Our bamboo structures provide versatile and sustainable solutions for all your event needs. From building stages and DJ booths to elegant domes and custom installations, our bamboo creations offer a unique blend of strength and natural beauty. Whether you're hosting a festival, concert, or intimate gathering.



Frequently asked Questions



1. Is bamboo a tree?

No, bamboo is actually a type of grass, not a tree. Despite its woody appearance, bamboo belongs to the grass family and is one of the fastest-growing plants in the world. Its rapid growth and ability to regenerate after harvesting are key reasons why bamboo is considered such a sustainable resource for construction and other uses.

2. Can I use nails in bamboo?

No, using nails in bamboo is not recommended. As bamboo is a dense material, nails may cause cracks. With bamboo it is recommended to always pre-drill holes and use, bamboo dowels, bolts and nuts or screws, as they provide a more secure and durable connection, especially for structural applications.

3. How durable is bamboo?

Without any protective treatment, most bamboo species have an average natural lifespan of less than 2 years. Stored under cover, untreated bamboo may last 4-7 years. These variations in bamboo durability strongly depend on the species, the length of the culm, the thickness of the wall, but also, and equally important, the time of harvesting (see page 2-3 our quality standards). This said, with the correct harvesting practice and proper boron salt treatment the shelf-life and durability of bamboo can go up to 50 years or more.

4. Can bamboo really grow a meter in a day?

Yes, some species of bamboo can grow up to a meter (around 3 feet) in just one day under ideal conditions! This incredible growth rate makes bamboo one of the fastest-growing plants on Earth, contributing to its sustainability as a rapidly renewable resource.

5. Is bamboo stronger than steel?

While it may sound surprising, bamboo actually has a higher tensile strength than steel, meaning it can withstand more tension before breaking. This makes bamboo a strong, reliable material for construction, offering durability with a fraction of the weight.

6. Does bamboo require a lot of water to grow?

Bamboo is a hardy plant that doesn't require excessive water to thrive. In fact, it grows well in a variety of climates and soil types, often needing less water than many other crops or trees, which makes it a sustainable choice for eco-friendly projects.

7. Can bamboo be used for high-tech applications?

Yes, bamboo is increasingly being used in high-tech applications! From bio-composites in automotive parts to sustainable textiles and even biodegradable plastics, bamboo is proving to be a versatile material in innovative, cutting-edge industries.

8. Can bamboo help prevent soil erosion?

Yes, bamboo's dense root system helps stabilize the soil and prevent erosion. It is commonly planted in areas prone to landslides or flooding, as its roots help hold the soil in place while its rapid growth creates natural barriers.

