

Dasso Bamboo

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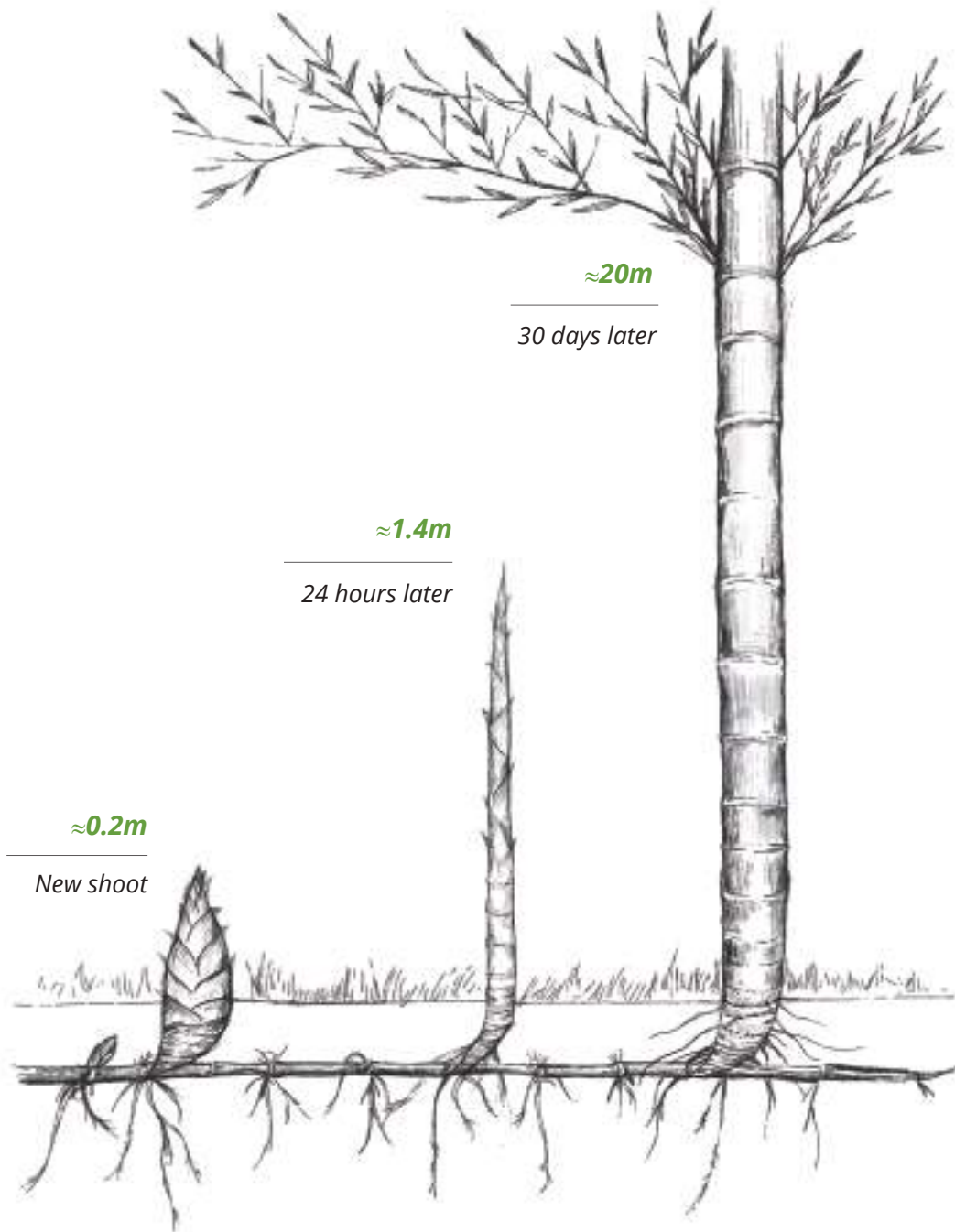
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BAMBOO FACTS



Bamboo is the fastest growing plant in the world





Bamboo is the fastest growing plant in the world and is accredited by the Guinness World Records, as some species within the 45 genera groups can grow up to 91 centimetres per day (35.8"), making this incredible plant one of the most sustainable alternatives for wood and steel.

2008



2009



In the year of 2008, a rare freezing rain poured over the dasso Southern Forest Farm, destroying everything in its path, including all of the bamboo.

Six months later, the dasso Group revisited the farm; finding that the once ravaged bamboo forest had now shot up into new canes, resulting in a naturally restored forest thanks to the plant's easy and fast growth attributes.

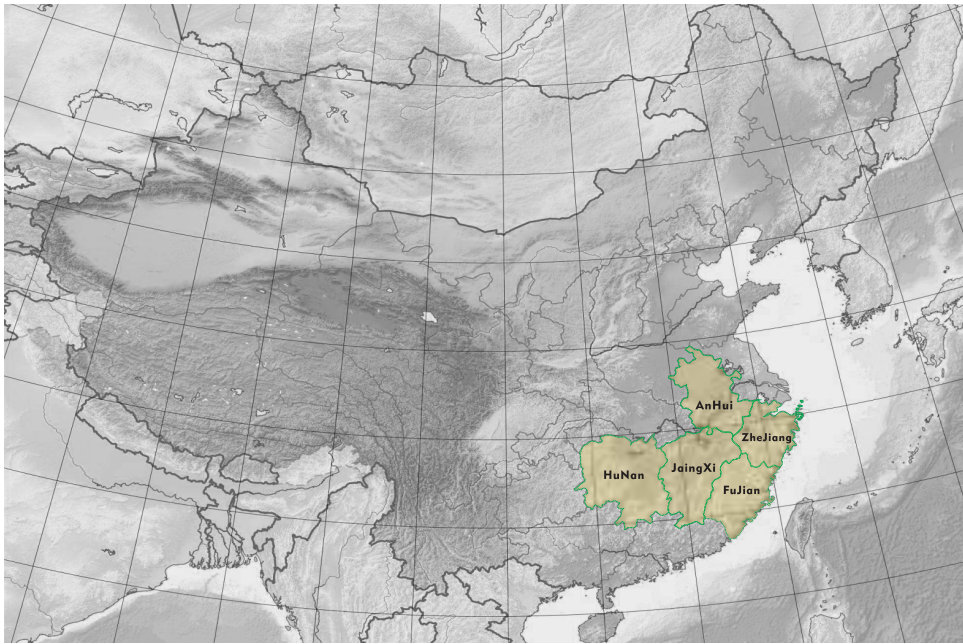
Unlike wood that grows from a seed and can take years to mature, bamboo is able to rapidly produce and renew itself after destruction. Their rhizomes hold a dependable network of roots, creating a unique underground system, allowing bamboo culms to grow at a super speed in comparison to trees.

90%

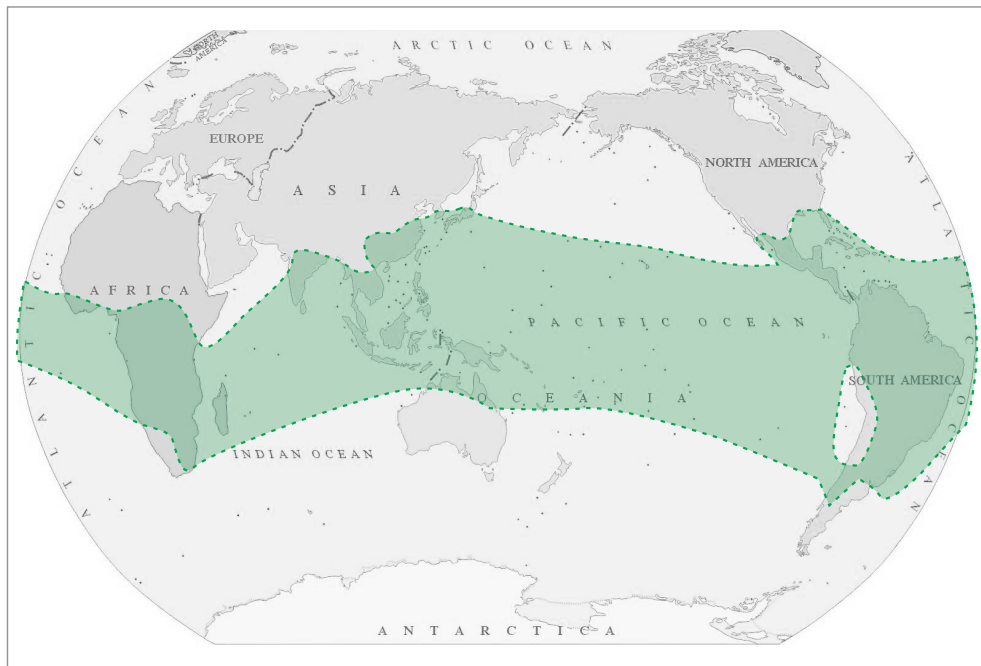
China has one of the greatest bamboo resources in the world and a rich bamboo culture. The country accounts for one third of the world's total bamboo forest area.

THIS AREA MAKES UP FOR OVER 90% OF ALL MOSO BAMBOO FORESTS IN THE WORLD





China is the main distributor of Moso bamboo



World Bamboo Distribution. About 22 million hectares of world's surface is covered in bamboo forest.



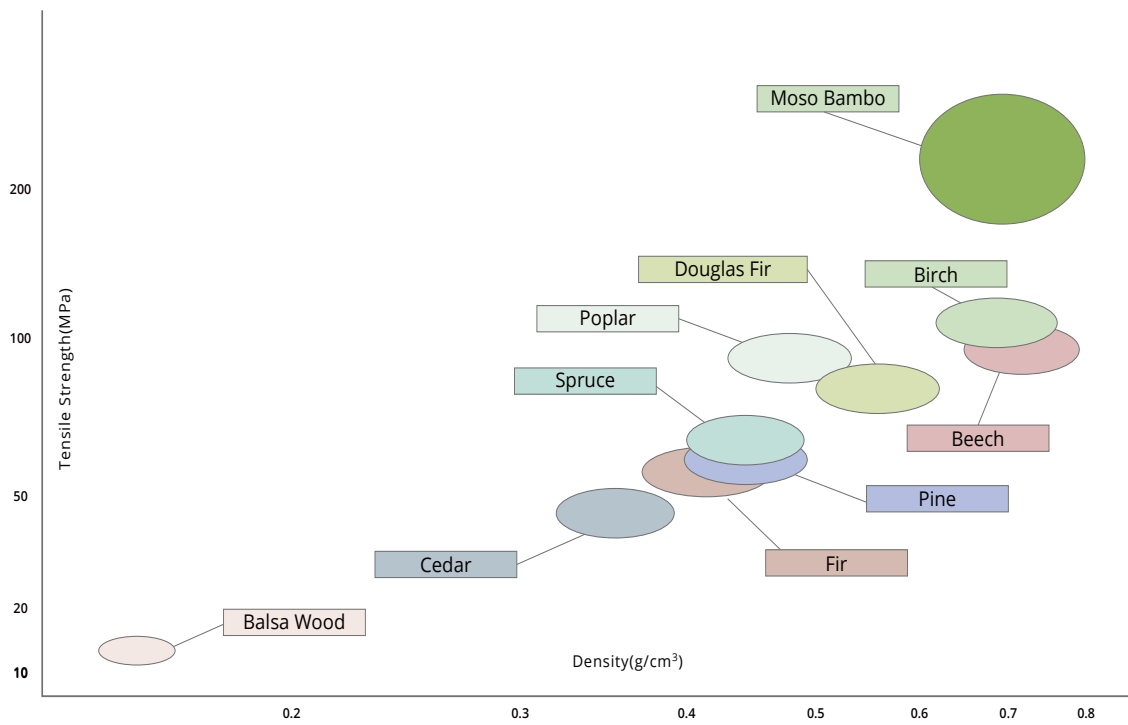
THE MANY FACES OF MOSO BAMBOO

Bamboo is long and slender. They have compartments and chambers along their long sides, with a hollow culm in the center, a cylindrical wall around it, and is protected by layers of Silica at the outer skin to eco-skeleton; similar to insects. When in the field, bamboo is green. After they

are harvested, they turn to a golden-brown colour. When cut lengthways, they have a netted appearance. When a bamboo is cut at a cross-section, it takes a similar hexagonal appearance to a bee hive.

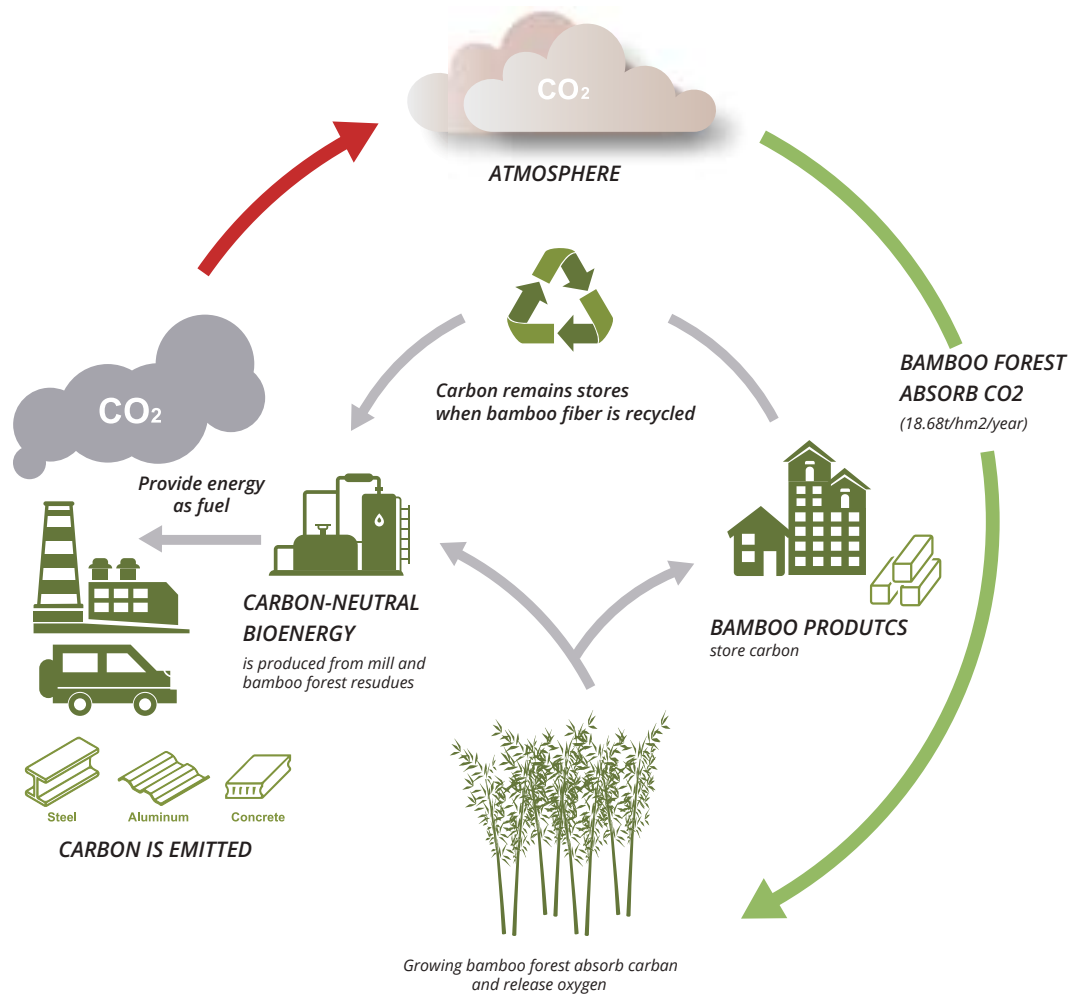
BAMBOO VERSUS WOOD

Material mechanical property comparison between bamboo and wood



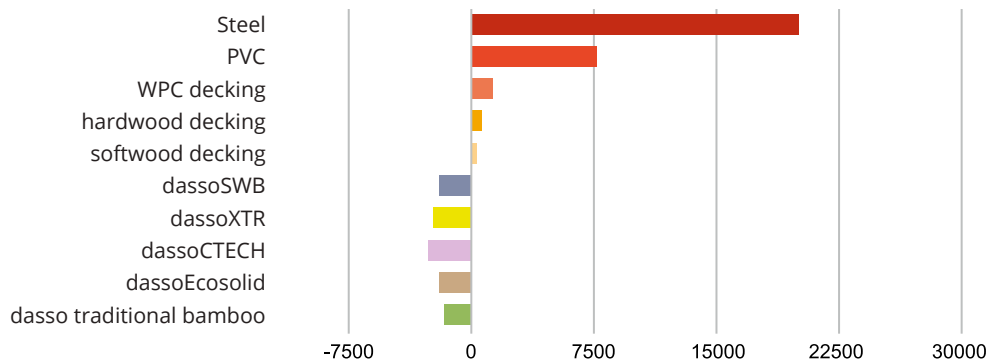
*compare to other wood material, bamboo has the highest ratio of intensity, has the best mechanical property

BAMBOO FOREST CONTRIBUTES TO GLOBAL CARBON CYCLE



also bamboo products have been EPD certified; having an eco-friendly impact during their entire lifespan (35-40 years).

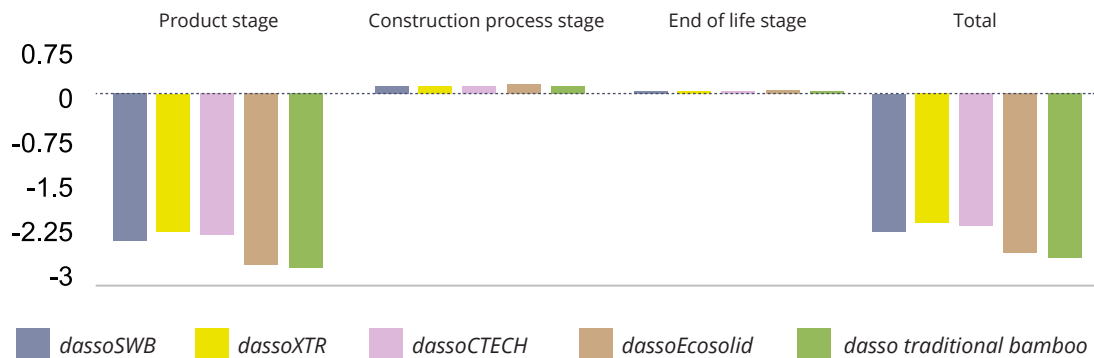
CARBON FOOTPRINT BAMBOO VS OTHER MATERIAL (KG CO₂ /M³)



SUSTAINABLE CYCLE OF BAMBOO PRODUCTS



CARBON FOOTPRINT OF DASSO PRODUCTS(KG CO2 EQ)



THE HISTORY AND USAGE OF BAMBOO IN CHINA

The history of Chinese people planting and using bamboo can be traced back 7,000 years.





7000 years ago

Archaeologists found that a 7,400-year-old plaited bamboo mat located at the Gaomiao cultural relic site in central-south China, and is the oldest bamboo article that has ever been discovered to date.

5000 years ago

At the Liangzhu site in Hangzhou, a large number of bamboo-made utensils and tools were unearthed, which showed that the bamboo have been being widely used since 5000 years ago.



3000 years ago

Bamboo slips were used around 3,000 years ago and they would be written on with a traditional writing brush and ink.

Ancient Chinese people had inscribed ideas that are familiar to the ears of today - "harmony without uniformity", "inclusiveness", "peace and "cooperation among states". Over thousands of years, these ideas have been the basis for the Chinese way of thinking, while guiding China's interactions and business with foreign countries.

30 years ago

In the 1980s, bamboo processing in China was still dominated by handicrafts. Since then, mainland China has begun to use modern scientific methods to study bamboo.



Today

After 30 years of ongoing development, bamboo products are now processed through large scale industrial automation. The finished materials are in high demand for furniture, interior decorations, architectural designs, landscaping, plus a range of other commercial and residential uses.

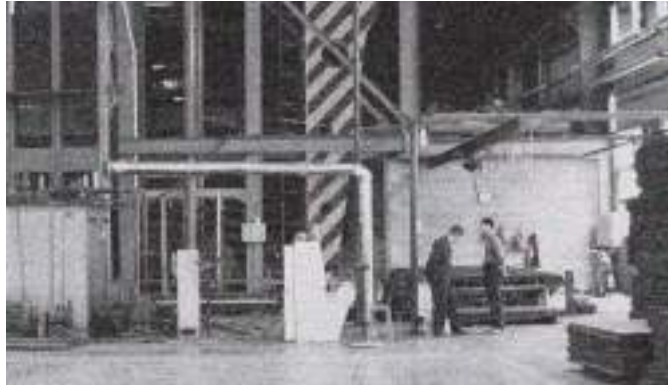
THE STORY OF DASSO

*The modernization of research
and utilization of bamboo in China*

SINCE 1993



▲ *The team in 1993*
▶ *dasso plant in 1993*



THE STORY OF DASSO

In 1993, six employees from the Forestry Bureau, directed by Mr. Lin Hai, made the decision to leave their home town of Lishui, Zhejiang Province, and pursue a bamboo business together in Hangzhou, China.

This decision was the result of working in the wood industry for many years; realizing the negative impact that their field of work was doing to the environment, and seeing a gap in the market for sustainable consumption products such as bamboo.

At this time, in the early 90's, China's bamboo resources had not yet been utilized to its full potential. The men decided to apply their wood expertise to bamboo, research and develop the industrial use of the plant, at the same time support bamboo farmers, as well as create jobs to boost the local economy. In the same year, the team of six successfully produced their first bamboo board for flooring solutions, and sold it to the Japanese market; paving the way for the team's ongoing ambition and future success.

As the world advanced and globalized over time, so did people's living standards and way of thinking. There was a growing demand for higher-quality, unique products amongst consumers, especially in developed and emerging countries.

dasso started to ramp up innovation, research and design; extending product lines with bamboo furniture, interior and exterior bamboo elements and structural bamboo building materials. The company started to work with designers; providing customized products that met the needs of fast-growing, emerging societies.

Now, after 28 years, dasso is a proud international leader within the bamboo industry. The company continues its mission in tackling Global Warming and environmental concerns by promoting the utilization of bamboo products in order to protect our common home, Earth.

An aerial photograph of a large group of kayakers on a dark body of water. The kayakers are arranged in a large, circular formation, creating a ring of colorful kayaks. The kayakers are wearing life jackets and paddling. The water is dark, and the kayakers' colorful gear (blue, yellow, red, green) stands out against the dark background. The text "DASSO PROGRESS" is centered within the circular formation.

DASSO PROGRESS

1993

dasso invested and established in a bamboo production factory.

1995

Drafting of Bamboo flooring standard in Zhejiang Province.

1998

dasso geothermal floor research and development.

1999

dasso production management was brought into the ISO90001 management system, and the quality management standard of ISO90001 was implemented.

2001

The development of bamboo decorative materials; winning patents in China and the United States.

2003-2005

Developed fire-resistant bamboo materials; passing the M1 grade fire prevention test in Europe.

2007

Won the 2nd prize for the National Technological Invention award: "Slice Bamboo Veneer Production Technology and Application".

2009

Recognized by the Ministry of Commerce as "China's well-known Trademark".

2010

Strategic Partnership was signed with Vanke; developing the dassoECOSOLID series.

2011

R & D of acoustic bamboo materials were developed, and the Wuxi Grand Theatre Project was completed.

2013

Signed a strategic partnership with IKEA. Together, we established an IKEA Global Bamboo Product R & D and manufacturing center.

2015

Won the 2nd prize for the National Scientific and Technological progress award: "Key Technology and Application of High Performance Bamboo-base Fiber Composite Manufacturing".

2016

Established Zhejiang Xinhaiye Bamboo Technology Co., Ltd factory.

2018

Established The Jiangxi Zhushang Bamboo Industrial Co., Ltd factory.

2020

Established The Fujian Dasso Bamboo Technology Co.,Ltd factory.



5000000 M²

The largest production base in the world



Hangzhou Dasuo Technology Co.,Ltd
 Multi-purpose production facility produces 2 million m² per year.



Hangzhou Zhuangyi Furniture Co.,Ltd
 Furnishing Plant 400 x 40 FCL container per year.



Fujian Dasso Industry Co., Ltd
 An annual production (dassoXTR & dassoCTECH) capacity of 2 million m², with additional facilities for further expansion.



Zhejiang Daocheng Bamboo Industry Co., Ltd
 An overseas sales team of dasso bamboo products, whose business is around the world with more than 50 staff members.



Jiangxi Zhushang Bamboo Industrial Co.,Ltd
 dassoXTR production facility produces 1 million m² per year.



Zhujia Gallery
 Integrated design, development, sales and promotion of green bamboo, original design of bamboo crafts.



Zhejiang Xinhaiye Bamboo Technology Co.,Ltd
 dassoXTR production facility produces 500,000 m² per year.



Shunchang Zhujia Bamboo Industrial Co.,Ltd
 Multi-purpose production facility produces 200,000 m² per year.

DASSO MAIN PRODUCT CATEGORY



▲ **dassoFLOORING**

Classic / Ecosolid / Industrial

dasso offers high end, patented bamboo flooring. Our Classic flooring are long and wide boards. Ecosolid are unique, eye-catching floors with the natural beauty and appearance of the bamboo stem. Industrial flooring consists of short, solid bamboo strips that provide a ladder pattern for a distinctive look.

▼ **dassoFURNITURE**

Tables / Chairs / Cabinets / Drawers

dasso offers a range of bamboo furniture such as panels, beams, chairs, bookshelves, nightstands, tables, cabinets and so on. The products are so natural looking, eco-friendly and stylish, so they pair well with modern interior designs and contemporary themes.



◀ **dassoELEMENTS**

Veneer / Panels / Beams

dasso offers bamboo elements in various categories such as veneer, panels, beams, acoustic boards, fire-resistant boards and linear lumber. These products have been used worldwide for wall coverings, ceilings, divisions and furniture.

After 3 decades of development in the bamboo industry, the dasso team has outstanding skills and advanced technology and equipment. We have gathered a group of talented individuals; developing a management system that focuses on production and quality control, enabling dasso to provide bamboo products with consistent quality for all kinds of indoor and outdoor applications and use.



▼ **dassoXTR® / dassoCTECH®**

Decking / Cladding / Soffit

Through our patented heat treatment technology, we process fused bamboo into dassoXTR®; dark, espresso coloured bamboo materials suitable for outdoor application. With the help of our Ceramix Technology, dassoCTECH® exterior materials are known for their outstanding outdoor performance, while retaining their original cognac colour.

▲ **dassoARCHITECTURE**

Acoustic / Fire resistant / Structural

dasso cooperated with architects to design and develop customized, functional bamboo products. We offer custom products for specific projects to meet different requirements, such as fire retardant bamboo in airport, acoustics bamboo in theatre, structural for commercial.



◀ **dassoINNOVATION**

Sustainable / Development / Artistry

Utilizing the excellent mechanical properties of bamboo, the bamboo is applied to wind turbine blades, used in clean energy field.

DASSO REVOLUTION

"As a global innovator of bamboo products, we focus on the creation and development of bamboo products"

dasso Bamboo Panel



dasso Bamboo Veneer



dasso Bamboo Acoustic Boards



dasso Anti-static Industrial bamboo



dassoCTECH for exterior use



dassoXTR for exterior use



Bamboo beams



dasso Fire resistant bamboo



dasso Ecosolid bamboo





BAMBOO PANELS

Bamboo is processed into solid panels through industrial processing. The hollow bamboo stems are cut into strips, then pressed in horizontal or vertical structure. They have been applied for flooring, walls, kitchen tops, ceilings, and other interior decoration elements.



Six Senses in Qingcheng Sichuan



BAMBOO ACOUSTIC BOARDS

The dasso Bamboo Acoustic Boards are compressed into distinct structures and shapes. These boards are designed to detect different frequencies of acoustic-like reflection, limit reverberation, and channel out general noise; making them an

excellent solution for high-grade surround sound. They can be installed in venues that require any type of sound to travel, such as auditoriums, theatres, conference rooms, studios etc.



Vanke Center Shenzhen



BAMBOO VENEER

*d*asso's veneers are thin slices from laminated bamboo blocks. They are glued with a structured panel; similar to plywood. They are made into furniture, or act as a decorative interior materials. Colour can be easily applied and the shape and thickness can be modified.

We won the 2nd prize for the National Technological Invention award: "Slice Bamboo Veneer Production Technology and Application".



Chengdu Tianfu International Airport



dassoXTR®

Incorporates dasso's patented heat treatment technology, plus fused process to manufacture high-quality bamboo products, for exterior applications. They are milled into decking, cladding, soffit, lumber and half panels. Over 10 million M2 of dassoXTR® [100 million sq.ft] have been produced and installed worldwide.



Vanke Beijing Changyang World Business Centre



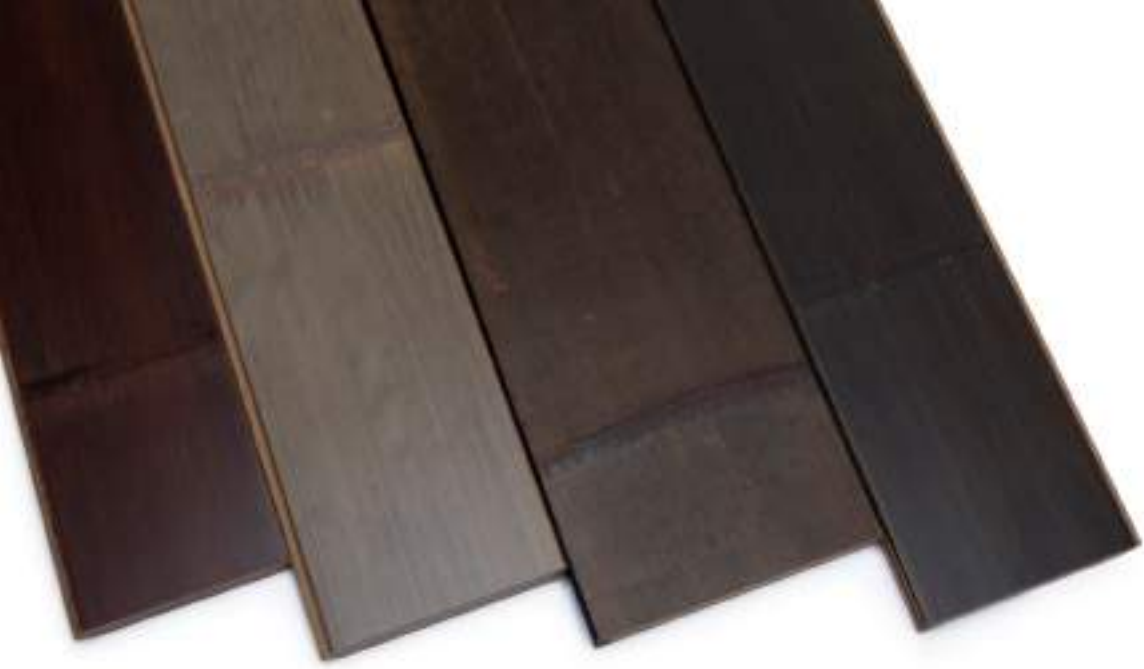
dassoCTECH

*d*assoCTECH® incorporates dasso's patented Ceramix technology, and fused process to manufacture high-quality bamboo products, with a natural color for

both commercial and residential outdoor applications. The exterior dassoCTECH panels are milled into decking, Cladding, soffit, and lumber.



The Sanya Edition



dassoECOSOLID

The whole bamboo sheet (bamboo spreading) technique is to spread the original bamboo pole, and then roll it out into a sheet-like material. The original genetics still remain in the bamboo, and the plant still keeps its best benefits, such as its durability and longevity. The finished product is high in density, abrasion-resistant, and has resistance to heavy impact. These properties make them perfectly suitable for flooring, furniture, cutting boards and more.





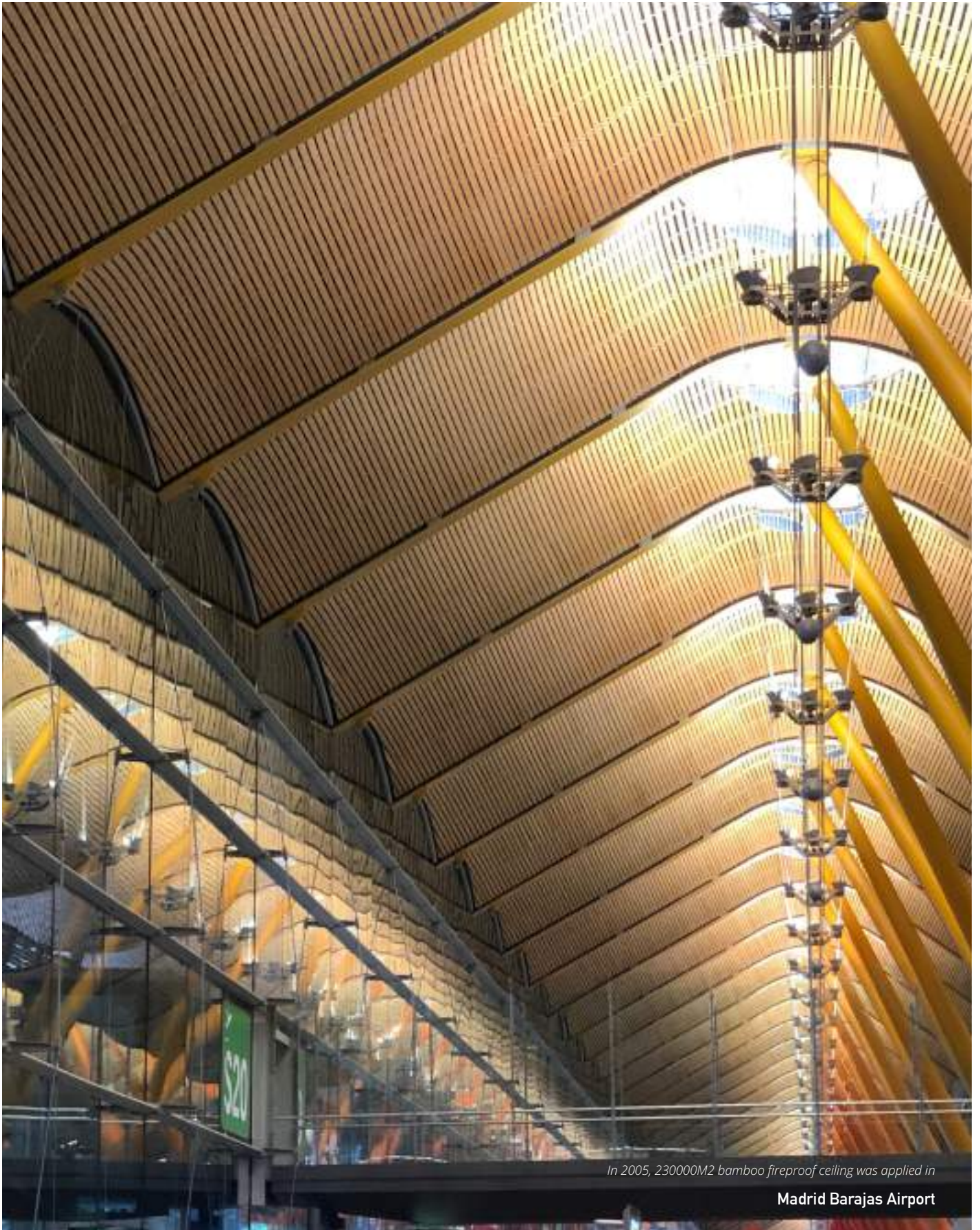
dasso Ecosolid bamboo flooring



FIRE RESISTANT PANELS

The dasso Fire Resistant Panels offer powerful protection against potential flames. They are available in multiple variations with respect to design, structure, size, thickness, surface style and color. The other characteristic of dasso fire-resistant panels are their acoustic absorption.

After the fire treatment process; dipping and coating of fire retardant, the panels reach the requirements of a commercial B1 rating.



In 2005, 230000M2 bamboo fireproof ceiling was applied in

Madrid Barajas Airport



BAMBOO STRUCTUAL

In 2017, dasso developed a high-strength structural adhesive material from bamboo. It's features have strong mechanical properties, a stable structure, and it's length can reach up

to 20 meters; making it suitable for structural materials. It is applied to the Zhengzhou Chess King Competition Pavilion project.

Zhengzhou Chess King Competition Pavilion project

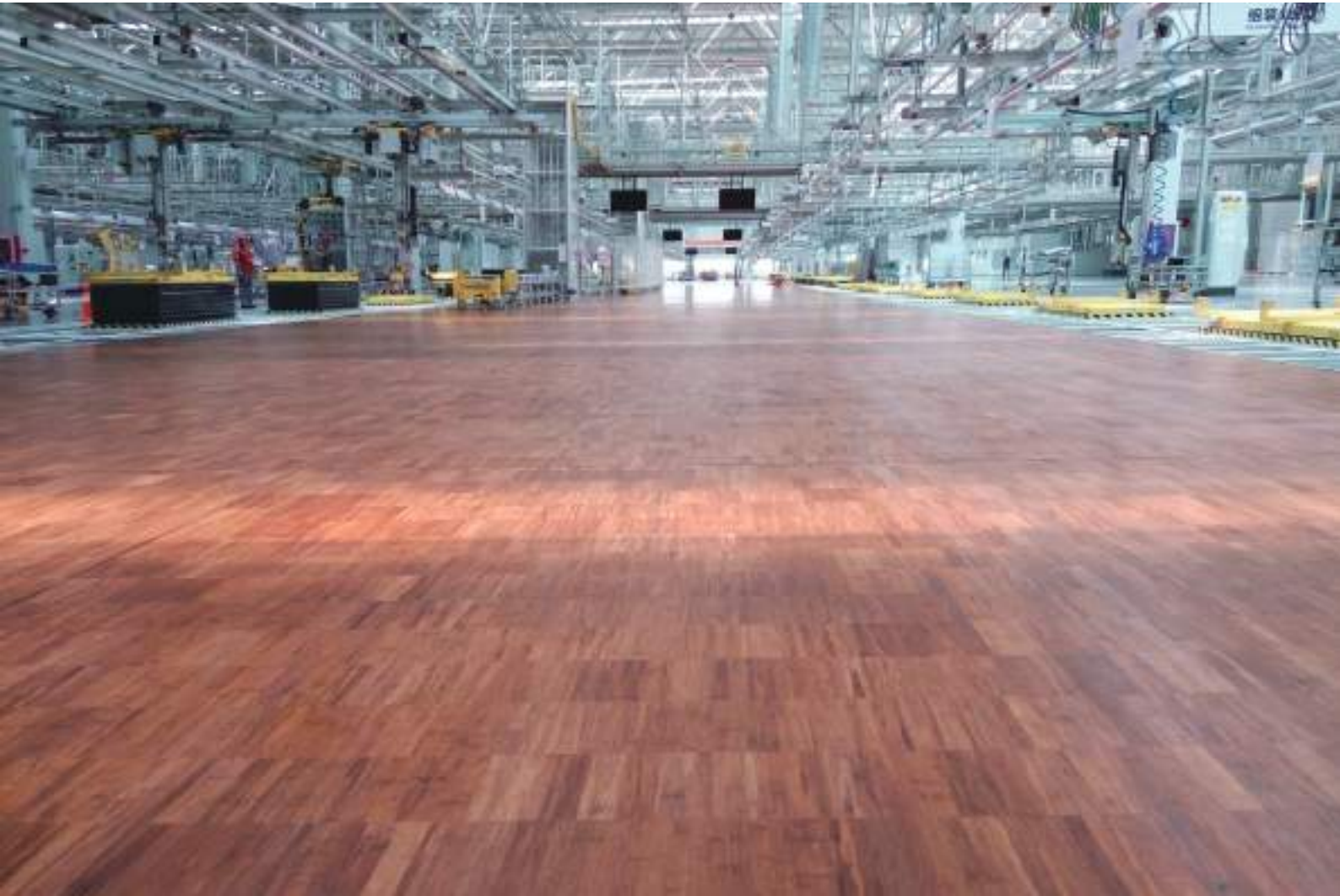




INDUSTRIAL BAMBOO

*D*asso's bamboo industrial flooring allows a large area of seamless floor paving. The boards are high in stability, endurance, and have anti-static features. This type of flooring is suitable for high-traffic shopping malls, corporate spaces, airports, or areas with machinery; factories, warehouses and workrooms.





Great Wall Motor in Baoding, Hebei



BAMBOO WINDOW FRAMES & DOORS

The application of natural bamboo window frames have to meet strict conditions in order to face outdoor durability. The dasso exterior bamboo materials are used as window frames because of their incredible stability. They can be found at the Hainan Sanya Taijang Cultural Tourism Pension Project.





BAMBOO WIND TURBINE BLADES

We teamed up with The University of Cambridge to develop wind turbine blades for clean energy. In comparison to traditional fiberglass; bamboo has great mechanical properties during and after its product life cycle. Therefore, when it's done serving its purpose as a wind turbine blade, it may find a new life in flooring, or furniture; achieving a circular, zero-waste business model.

▲ *The recycled bamboo wind turbine can be recycled and repurposed into bamboo flooring or furniture*



800 kw Bamboo Wind Turbine Blade Installation



dasso is the top ten IKEA suppliers





We cooperated with the Swedish Furniture company, IKEA, and established a research and design centre for the manufacturing of bamboo furniture. Together, we created the Hangzhou Zhuangyi Furniture Co., Ltd. Every year, we produce 4 million bamboo products together, and in 2017, we won the Top Ten IKEA suppliers prize.



BAMBOO +

Bamboo + is a sub-brand of dasso Group. Bamboo + supply customers with superb bamboo products for daily life use and original designs.





PARTNERS





Architects List

AECOM
Aedas
Gensler
Sasaki
Hassal
SOM
tvsDesign
Nikken-Corp
Hassell
B+H Architects
Hastings Architecture
MADA S.p.a.m
EGO Design
MKPL Architects
Cheng Chung Design
DP Architects
W&R Design
The Oval Partnership

Paul Andreu Architecte Paris
Rogers Stirk
PES-Architects
Steven Holl Architects
EXH Design
Open Architecture

Cuikai Studio
Wang Shu
Jiakun Architects
Neri & Hu
Atelier FCJZ
Fang Hai
Yu Studio

SWA
Coopers Hill
Turenscape
Hetang Landscape Design Co.,Ltd

Hospitality

Aantara
Hilton
Edition
W Hotel
Marriott
Six Senses
Regent
Banyan Tree
Hyatt
Westin
Rosewood
Atlantis

Four Season
Aranya
SH Hotels and Resorts

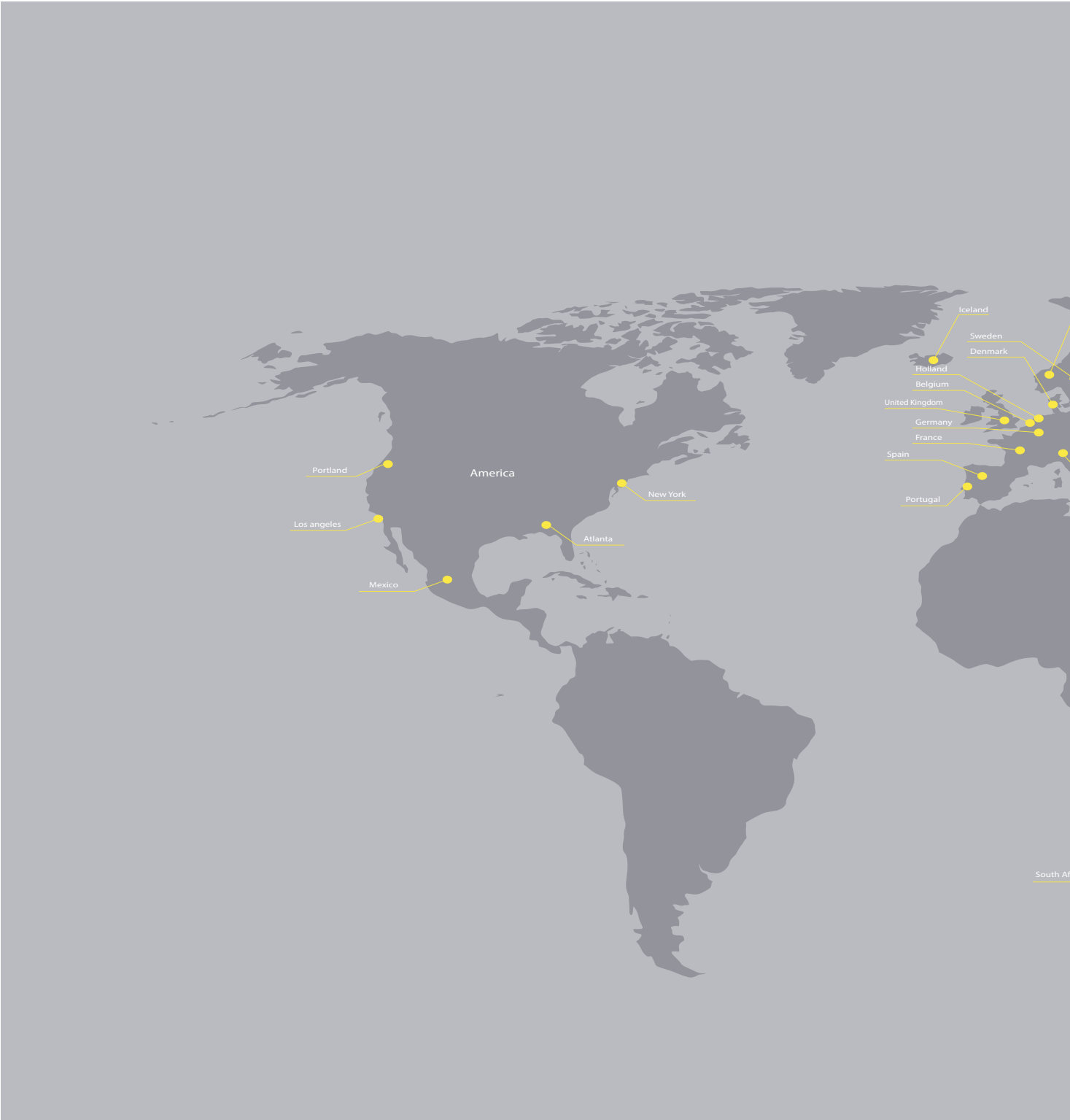
Real Estate

Vanke
Green Town
Landsea

Retail

Home Depot
Honbach
Bauhaus
Bygghemma
XL-BYG





DASSO GROUP FOOT PRINTS

Founded 28 years ago, dasso Group have been providing bamboo products and services to more than 40 countries and regions around the world. Over the years, our bamboo products have become more popular with consumers all over the world.





Wuxi Grand Theatre



Madrid Barajas Airport



Vanke Center Shenzhen



Culture and Art Center of Yuhang District



Rizhao International Heart hospital



ONE Lujiazui



Shandong Grand Theatre



Microsoft (China) Shanghai



Vanke Emerald Park



Changchun Culture of Water Ecology Park



Yingjia Club at Vanke



Qingpu Pinghe School



Atlantis Sanya



Four Season Ocean Courtyard Hotel



WeiNan DongYuan JiuChengYue



Green Roof Philadelphia



Metro Police Nashville Davidson County



National University of Singapore



Private roof swimming pool in Barcelona



Olmos Park



Private Villa in London



Private Villa in Pakistan



Fortitude Valley



Hansar Hotel in Thailand



Seoho Park in Korea



Haleston Row Residence



Flamingo Dailai Resort in Vietnam



Amata Garden Resort Bagan



Hansar Hotel in Thailand



Anantara Hotel and Beach Resort

DASSO'S MISSION

Mission

To be the leader of bamboo applications worldwide. Wherever there is demand, there is DASSO.

Vision

To be respected by the community, become the industry leader of sustainable development in technology enterprises, and make continuous profit to reinvest in more research and development.

Core values

Honesty, sustainability, innovation, quality, and integrity.





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