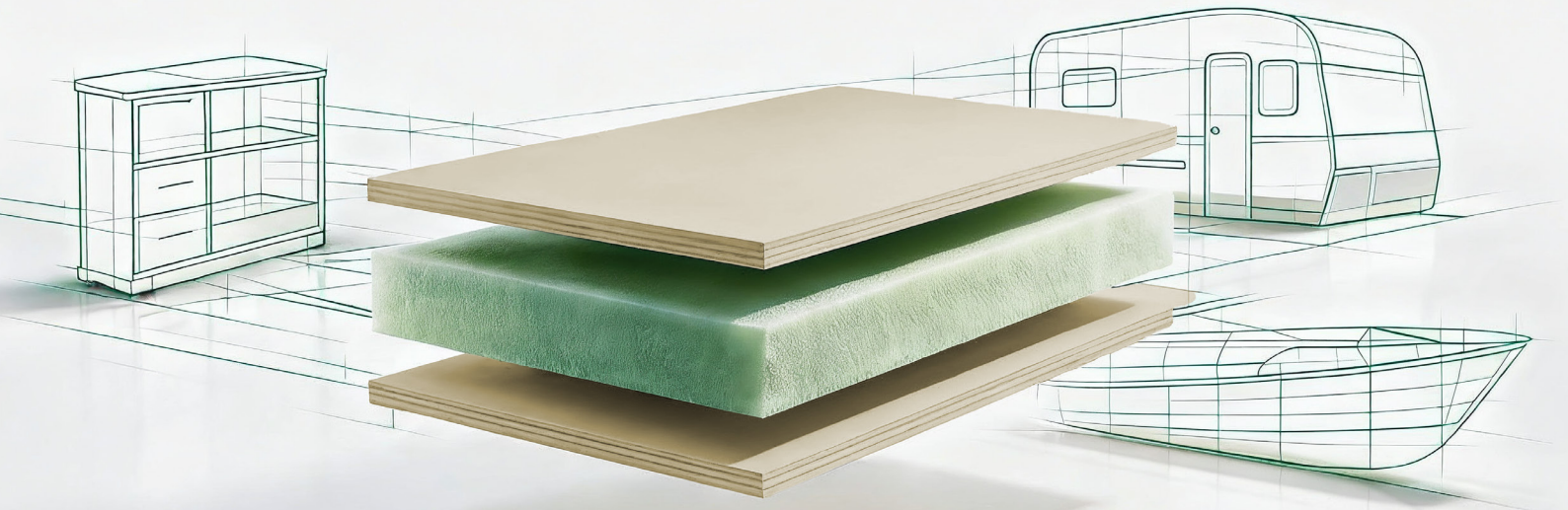
PANGUANETA
PLYWOOD FOR LIFE



# STRATO

## Lightweight solutions for unlimited industrial performance

# ABOUT US

Panguaneta is a modern family-owned company with roots in Sabbioneta, a city designated as a UNESCO World Heritage Site. Since 1960, we have combined regional tradition with an international outlook, and today we are among the world's leading manufacturers of plywood panels. Our work is based on the rigorous selection and processing of Italian poplars from the Po Valley, which we cultivate and manage sustainably.

Our products are used worldwide and meet the high standards of sectors such as the automotive industry, shipbuilding, the furniture industry, and design. To this end, we adopt a responsible approach that combines ecological, social, and economic considerations, guaranteed by certified processes and transparent standards.






# OUR PRODUCT

Our plywood stands out for its light weight, high stability, and wide range of applications in demanding industrial sectors around the world. Sustainability and innovation are at the heart of what we do: thanks to EPD® certification, life cycle assessments (LCA), and technologies such as PureGlue™, we develop efficient, forward-thinking products for a sustainable indoor environment.



## MILESTONES

- 2020 Plant modernization, digitalization, and a clear focus on efficiency, reducing CO2 emissions, and climate goals
- 2000 Global expansion and the development of the first global strategies for sustainable development and certification
- 1980 Expansion of the product range and significant investments in production and raw material procurement
- 1970 Expansion into international markets and investments in poplar cultivation and new products
- 1960 Panguaneta was founded by Giuliano Azzi and Antonio Tenca and the company began producing plywood



## PRODUCTION AND PROCESSES

For Panguaneta, industrial innovation is the result of a collective effort aimed at achieving results in terms of performance, profit, and service.

Through its daily work, Panguaneta pursues product quality, guaranteeing its customers high, certified standards. Quality is also an essential element in the management of production and distribution processes, in defining communication channels, and in implementing workplace safety protocols. Ensuring quality in every action requires complex and forward-thinking management skills.

The STRATO range was developed by Panguanetas 60 years of experience in the plywood industry. STRATO expands this know-how into composite panels for industrial solutions, creating a product line with endless industrial applications.

This panel composition ensures exceptional durability and excellent moisture resistance. STRATO has been specifically designed for applications requiring both lightness and high structural strength.

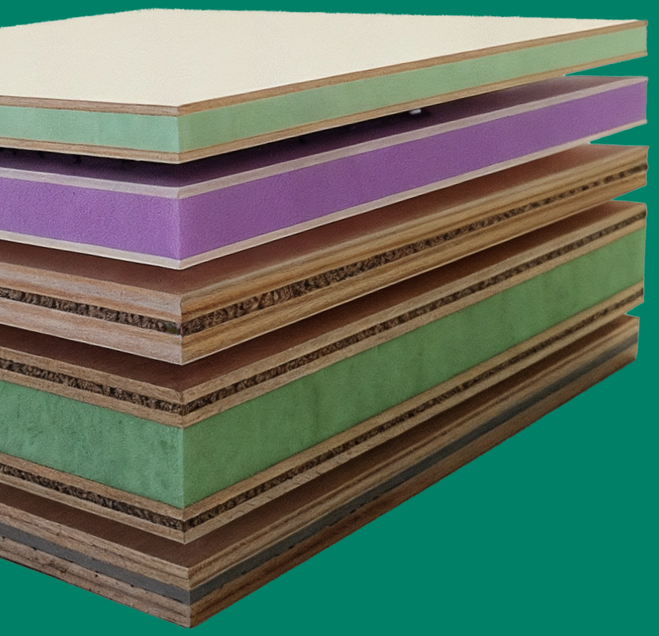
Unlike products assembled with components from external suppliers, the plywood used for the STRATO range is produced directly by Panguaneta, thus ensuring total control over the entire production and supply chain. This integrated production approach ensures consistent quality, full traceability, and high reliability, while offering customers the added value and security of working directly with Panguaneta.

# STRATO

Strato is an innovative line, developed by Panguaneta, taking the next step into innovative composite solutions and expanding the application of plywood into various industrial areas. The STRATO line can combine several attributes such as stability, weight, waterresistance, noise insulation and many more.

With STRATO, you can benefit from a solution designed not only for the demanding marine sector but also ideal for interior design, high-end furniture, commercial space fit-outs, caravans, trains, and the automotive industry.

STRATO not only makes projects lighter and more high-performance, but also optimizes custom solutions thanks to advanced technologies, exceptional stability, and the highest quality. Rely on innovation and cutting-edge know-how to create elegant, functional, and sustainable spaces, both on water and on land.



**AESTHETIC APPEARANCE**

Its striking design lends a sophisticated touch to your interior and terrace. Create an atmosphere of elegance and exclusivity with STRATO.

**EASY TO PROCESS**

STRATO is easy to cut and work with, saving you valuable time and money during the construction process. Ideal for custom projects and tailor-made solutions.

**ENVIRONMENTALLY FRIENDLY**

Made from sustainable materials, STRATO helps reduce the environmental footprint and supports eco-friendly construction practices.

**LIGHT AND STABLE**

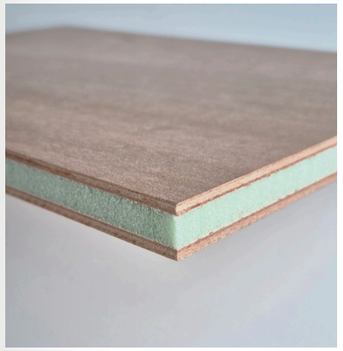
STRATO combines lightness with exceptional strength. Reduce the overall weight of your project without compromising its stability.



# STRATO - PRODUCTS

The six variants—STRATO XPS, PET POPLAR, PET OKOUMÉ, SOUND, SUPER-SOUND, and HIGH-SOUND offer the ideal solution for your applications in yacht building, as well as for many other demanding sectors such as interior design, technical furnishings, caravanning, recreational vehicles, rail and road transport, cruise ships, commercial spaces, lightweight architecture, and contract projects.

We use sustainable materials made from recycled PET, natural cork, and 100% recycled plywood, thereby contributing to responsible and high-performance solutions.



## STRATO-PET OKOUMÉ

STRATO-PET OKOUMÉ combines okoumé plywood with a core made of recycled PET (polyethylene terephthalate). The result is a lightweight, stable, and thermally insulating panel designed to reduce weight while significantly improving thermal insulation. An ideal solution for installations in damp or outdoor environments, where performance, durability, and reliability are essential.



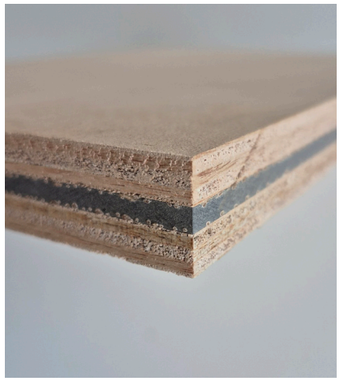
## STRATO-PET POPLAR

STRATO-PET POPLAR combines Panguaneta poplar plywood with a core made of recycled PET (polyethylene terephthalate). This solution is designed to prioritize lightness while ensuring excellent mechanical performance, making it ideal for interior fittings where weight reduction is essential.



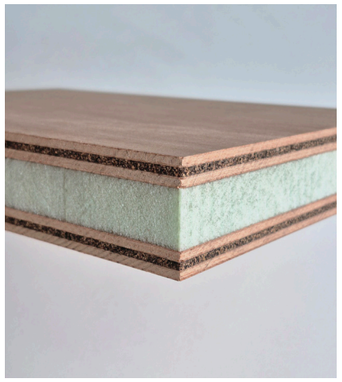
## STRATO-SOUND OKOUMÉ

STRATO-SOUND is made by combining okoumé plywood on the outside with a cork core on the inside. This panel offers excellent sound absorption. Perfect for spaces where peace and comfort are essential. Sound insulation with a certified average value of 30 dB.



## STRATO-HIGH-SOUND OKOUMÉ

Not all noises are the same, and not all soundproofing solutions are the same. Those who truly seek peace and quiet need mass. STRATO HIGH-SOUND is based on this physical principle: the core, consisting of a high-density rubber mat (> 2,000 kg/m$^3$), is heavy enough to effectively block even the lowest frequencies and the most stubborn vibrations of structural noise. The result is a panel that not only keeps noise out but creates silence—in vehicles, ships, industrial plants, or anywhere vibrations and noise are a problem. Two variants are available: poplar facings for maximum lightness, and okoumé facings for greater durability in harsh environments (certified average value of 38 dB).



## STRATO-SUPER-SOUND OKOUMÉ

STRATO-SUPER-SOUND is the result of a careful selection of the finest raw materials—a high-end solution created by combining okoumé plywood, cork-rubber, and an additional core made of recycled PET (polyethylene terephthalate). The result: first-rate sound insulation, low weight, and excellent thermal insulation. An ideal solution for demanding applications where insulation, stability, and superior quality are top priorities. Excellent sound insulation (certified average value of 32 dB).



## STRATO-XPS POPLAR

STRATO-XPS combines poplar plywood with an XPS core, designed as an ultra-lightweight alternative to traditional plywood. This innovation, which is both simple and revolutionary, offers numerous advantages and finds applications far beyond the marine and RV sectors.

Thanks to its significant weight reduction, stability, and excellent insulating properties, STRATO-XPS is particularly well-suited for light commercial vehicles, such as vans, special-purpose bodies, and equipped vehicles, as well as for the furniture and interior design sectors—anywhere where performance and lightness make a difference.

Thanks to their unique combination of lightness, stability, and acoustic performance, these innovative panels developed meet the highest standards for structural efficiency, comfort, and sustainability.



# WE TAKE OUR RESPONSIBILITIES SERIOUSLY

Panguaneta plywood is synonymous with sustainable quality. Directly managed, certified poplar sourced from fast-growing regional plantations, using resource-friendly processes.

Choosing our Okoume panel means placing your trust in a company that directly oversees every stage of the supply chain: from raw material selection to certifications, right through to rigorous production controls. A transparent and verified process that guarantees certified origin, consistent quality, technical reliability, and long-term continuity. Because true quality stems from the control, experience, and responsibility of those who oversee the wood from its very origin.

Sustainability is deeply rooted in our actions. We take our responsibilities toward the environment and the community seriously, operate with complete transparency, and continuously improve our processes.

Our goal of carbon neutrality represents an important step: thanks to targeted measures to reduce and offset CO2 emissions, we will achieve carbon neutrality for our Scope 1 and Scope 2 emissions by 2030.

# FROM TREES TO STRATO



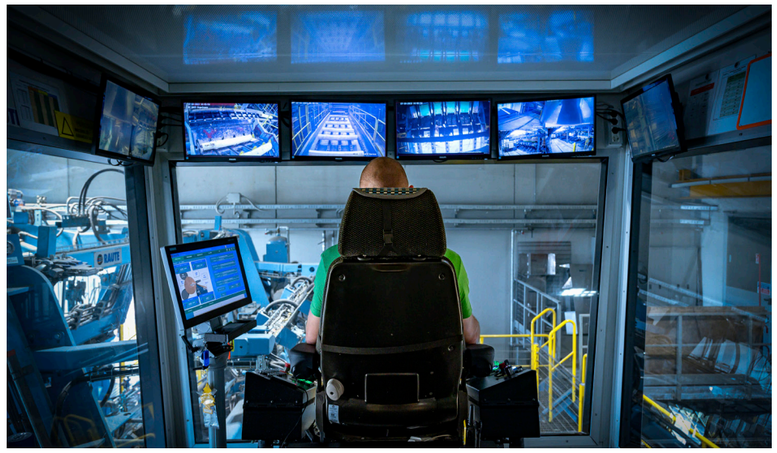
STRATO is manufactured in two production stages. In Italy, high-quality plywood is produced from sustainably grown poplar wood—from harvesting the wood and producing the veneer to the finished plywood panel. The plywood facings are then transported to Germany, where they are bonded to a foam core to form a lightweight, high-strength sandwich panel. The combination of sustainable raw material sourcing, modern plywood manufacturing, and automated assembly results in a precise and high-performance composite component.

### 1. Cultivation

The plywood comes from our own plantations.

### 2. Cutting and replanting

Felled trees are replaced; a sustainable cycle with a growth period of about 10 years.





### 3. Processing

Veneers are cut from the debarked logs, dried, and then assembled by alternating transverse and longitudinal layers until the final product is obtained.

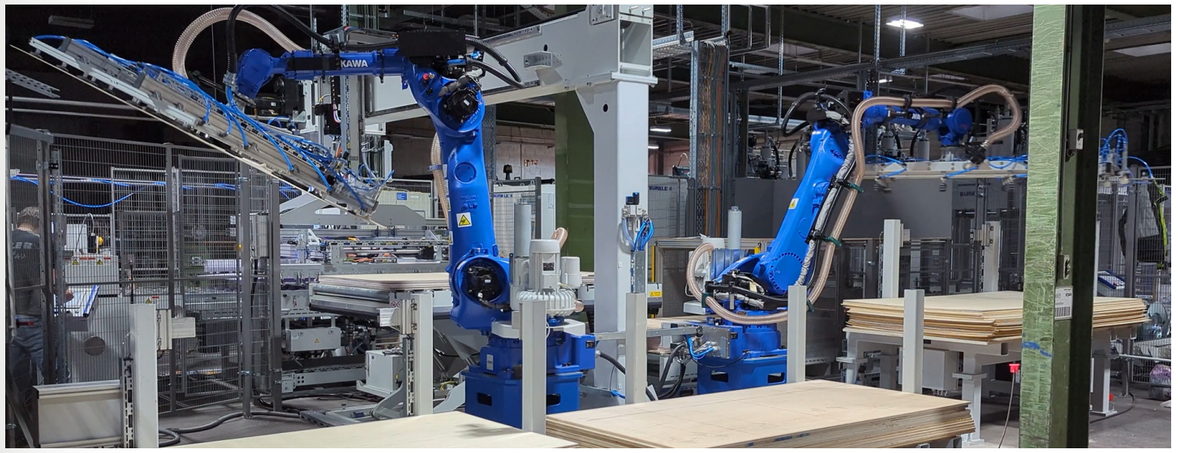
### 4. Gluing and pressing

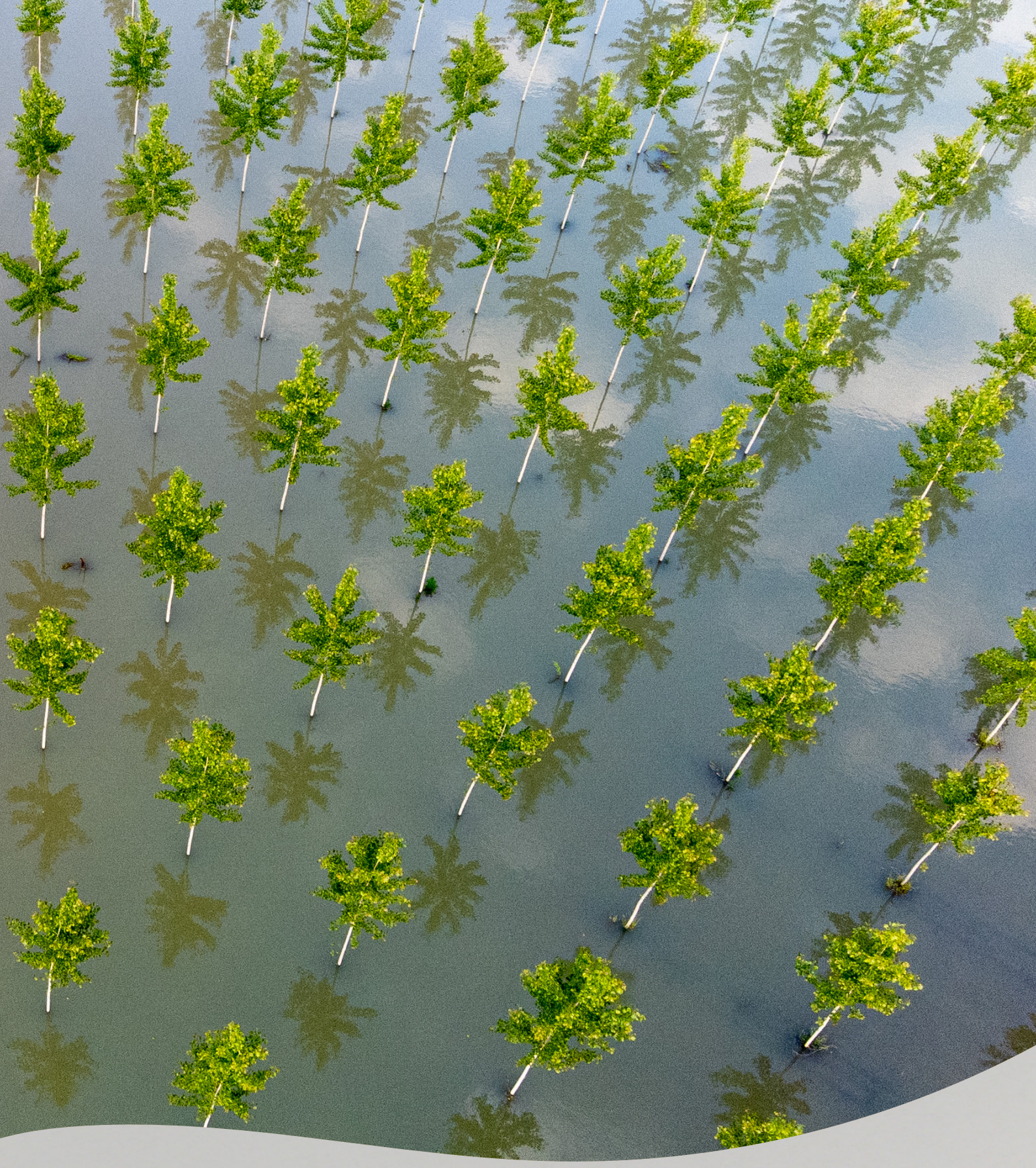
After assembly and gluing, the panel is heat-pressed.

### 5. Completion

The outer plywood layers are placed on a core layer inside a highly automated robotic cell, thereby forming a sandwich structure. The block is then pressed.







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