SONAE ARAUCO: WOOD CONSTRUCTION SOLUTIONS FOR A BETTER LIVING AND A BETTER FUTURE
One of the world’s most relevant players in the wood-based solutions industry
KEY FIGURES

2020

685M€ TURNOVER

~3000 EMPLOYEES

28 NATIONALITIES

3,820,000 m³ PRODUCTION CAPACITY
INTERNATIONAL PRESENCE

9 COUNTRIES
WITH INDUSTRIAL & COMMERCIAL UNITS

80 COUNTRIES
PRODUCTS DISTRIBUTION
Forests and the forest-based sector have an important role in the global climate challenge.
Forests and the forest-based sector provide integrated solutions to the global climate challenge on a very large scale.

*Source: EU Forest-Based Industries 2050. CO₂ effect calculation supporting sector’s vision of sustainable choices for a climate-friendly future.

The overall climate effect is a sum of:
- Net sink in forests and forest products
- Fossil emissions caused by the forest sector value chain
- Prevented fossil emissions (substitution of fossil-based materials and fossil energy)

Forest-based products also function as CO₂-retainers.

POSITIVE CLIMATE EFFECT OF THE EUROPEAN FORESTS

-806 million tons of CO₂ of carbon dioxide eq. (annually)*

= 20% of all the fossil emissions of the European Union
Sustainability is at the core of our vision: to create wood-based solutions for a better life and planet.
We are certified through two of the largest Forest Management Chain of Custody Certification Systems

BUSINESS PRACTICES: RAW MATERIALS FROM CONTROLLED SOURCES

Sonae Arauco’s commitment to the responsible use of raw materials runs through our entire value chain

100% OF THE WOOD WE USE COMES FROM SUSTAINABLE, CERTIFIED AND CONTROLLED SOURCES

Sonae Arauco’s commitment to the responsible use of raw materials runs through our entire value chain.
BUSINESS PRACTICES: A CIRCULAR BIOECONOMY MODEL

Cascade use of Wood: Sonae Arauco uses raw materials that otherwise would be treated as waste and turns them into value added products, that may be recycled at the end of their lifecycle.

Circular economy is at the core of the European Union's strategy for a climate neutral economy by 2050.
BUSINESS PRACTICES: A CIRCULAR BIOECONOMY MODEL

The production of wood-based panels at Sonae Arauco incorporates several of the principles of circular bioeconomy:
- Eco-designed wood panels
- Design of products that reduce waste
- Improvement of energy efficiency
- Extend use of material’s life cycle
- Production of by-products and waste, focusing on upcycling

Industrial units ~3000 employees
BUSINESS PRACTICES: RECYCLING

The integration of recycled wood was complex, requiring significant investments and profound changes in the equipment, processes and logistics.

At Sonae Arauco, only wood that cannot be recycled will be used as an energy source.

1990s
WE WERE PIONEERS IN THE USAGE OF RECYCLED WOOD

> 50%
RECYCLED WOOD IS OUR MAIN SOURCE OF RAW MATERIAL (PB)

70%
OUR GOAL FOR THE NEXT 3 YEARS

MORE PRODUCTS FROM FEWER RESOURCES
BUSINESS PRACTICES:
WOOD AND CARBON NEUTRALITY

Sonae Arauco operates in the following areas towards the reduction of emissions:

- RAW-MATERIALS FROM CONTROLLED SOURCES
  Leveraging the forest’s ability to mitigate CO₂

- INCREASE THE INCORPORATION OF RECYCLED WOOD IN THE PRODUCT’S PORTFOLIO
  Further extending wood’s CO₂ retention capability

- Investment in state-of-the-art equipment to reduce the carbon footprint and strengthen business competitiveness

INVESTMENT IN INNOVATION AND R&D
To affirm the value of wood-based panels in the market

2.1 M tons of CO₂ RETAINED ANNUALLY BY OUR PRODUCTS*

*2019
A PORTFOLIO OF GREEN PRODUCTS

A sustainable offer of wood solutions for furniture, interior design and construction
SUSTAINABLE USE OF FOREST RESOURCES

MAIN ADVANTAGES OF WOOD-BASED BOARDS

▪ A solid alternative to wood
▪ Continuous recycling process
▪ Dimensional flexibility allows for fit-for-purpose products
▪ Our boards act as carbon storage, thus reducing CO2 emissions
▪ A positive effect on global warming due to energy efficient buildings
▪ A variety of products and applications including beautiful decorative solutions
PRODUCTS’ PORTFOLIO

**PARTICLEBOARD (PB)**

**MEDIUM DENSITY FIBREBOARD (MDF)**

**ORIENTED STRAND BOARD (OSB)**

**3DF (THREE-DIMENSIONAL FIBERBOARD)**

**MF BOARDS**

**EIR MELAMINE (SYNCHRO PORES)**

**LAMINATES**

**VENEERED (NATURAL WOOD VENEER)**

**THIN MDF PAINTED**

**COLOURED MDF**

**WALLS**

**ROOFS**

**FLOORING**

**FIRE PROTECTION**

**SOUND INSULATION**
PRODUCTS’ PORTFOLIO
OUR CORE & TECHNICAL PRODUCTS

A wide range of high-performance technical products that can be used for residential and office furniture, kitchens, doors and construction.

PARTICLEBOARD (PB)
The best range for demanding applications, as it can be provided with special features: moisture resistance, improved fire reaction and the mechanical properties for heavy duty work.

MEDIUM DENSITY FIBREBOARD (MDF)
A range of boards with high quality and resistance properties for more demanding applications.

ORIENTED STRAND BOARD (OSB)
A range of products that exceeds the highest international standards for load-bearing and non-load-bearing applications in the construction industry.
THE AGEPAN® SYSTEM: a one-stop solution for Wood Construction

THE PRODUCTS IN THE SYSTEM

- AGEPLAN® ENRD: The original
- AGEPLAN® ENRD IR: With increased bulk density
- AGEPLAN® BVID: Black
- AGEPLAN® LEUM: T+H
- AGEPLAN® THF: Thermo-isolating floorboard
- AGEPLAN® THF PIR: Plasterboard with external thermal insulation composite systems (ETICS)
- AGEPLAN® TEP: Thin thermal board
- AGEPLAN® Loose Fill: Taped out wooden floors
- AGEPLAN® Flex: Flexible cavity insulation

TESTED CONSTRUCTIONS IN THE AGEPLAN® SYSTEM:
- Fire resistance classes of up to 90 E (IB1-90)
- Sound insulation values of up to 50 dB
**WALL SYSTEMS**

- Unlimited design possibilities for exterior walls (whether in wood, cement or plaster)
- Structural, load bearing capacity
- Vapor permeability
- Space saving
- Excellent insulation properties
- Lower heating costs

**ROOF SYSTEMS**

- Excellent quality
- Humidity levelling from inside out
- High protection from wind, rain and hail
- Better insulation from the outside temperature

**FLOORING SYSTEMS**

- Versatile application in renovations, remodeling and new constructions
- Faster - no drying time is required
- High resistance to compression
- Heavy-load bearing
- Resilient, comfortable surface
- Sound and heat insulation effect

**FIRE PROTECTION & SOUND INSULATION SYSTEM**
PRODUCTS’ PORTFOLIO

AGEPAN® SYSTEM

Insulating fiber boards, DWD boards and OSB ECOBOARD® products of high quality, functionality and technical performance for use on roofs, walls and floors

Less environment impact during construction

Cleaner, faster

Fit for Pre-Fabrication and Modular Construction
“Healthier. More efficient. More sustainable. Build with the smartest, most energy-efficient construction system – Sonae Arauco’s AGEPAN® SYSTEM –, using next-generation of healthy materials.”

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2020 a year like no other.

2020 showed us the importance of our living spaces in our well-being.

For the “interior creations and transformations”: Innovus Collection. Sonae Arauco’s wood-based solutions for “the transformative path towards affordable and beautiful living spaces”
Bacterial efficacy is verified by tests carried out in external laboratories: the Hohenstein Institute (Germany) for the MFC and the Escola Superior de Biotecnologia da Universidade Católica Portuguesa (Portugal) for the HPL.

+ 250 décor/finish combinations

15 finishes

Certified Anti-bacterial Properties*

Decorative Products for beautiful transformations

*Bacterial efficacy is verified by tests carried out in external laboratories: the Hohenstein Institute (Germany) for the MFC and the Escola Superior de Biotecnologia da Universidade Católica Portuguesa (Portugal) for the HPL.
ALMOSTLIKE@HOME
A KEY CONTRIBUTION TO SUSTAINABLE BUILDINGS
ENVIRONMENTAL PRODUCT DECLARATIONS (EPDs)

Environmental sustainability is considered throughout the life cycle of our solutions in a process that begins in the forest, extends to the use of products and ends with their industrial recycling.

EPD: It is a quantitative and objective assessment based on the EN15804 standard, which allows the sustainability of materials to be assessed.

Sonae Arauco has EPDs for all product ranges under the Core & Technical, Innovus and Agepan brands.

EPDs provide a transparent view of the environmental impact of our products through their life cycle.
A KEY CONTRIBUTION TO SUSTAINABLE BUILDINGS
LEED and REACH

Sonae Arauco’s products comply with rules of the EU REACH legislation, aimed at protecting human health and the environment.

Our products provide a significant contribution to projects receiving LEED® CERTIFICATION, with credits, namely in the “Materials and Resources” and “Indoor Air Quality” categories, through:

- **Product EPDs**: according to EN15804
- **Recycling**: a model of circular economy
- **Origin**: 100% of the wood used come from sustainable, certified and controlled sources
- **Formaldehyde emissions**: our solutions are available with non-added formaldehyde resins

*LEED: Leadership in Energy and Environment Design, an international seal of sustainability for buildings
REACH: Registration, Evaluation, Authorization and Restriction of chemicals
THE NEW EUROPEAN BAUHAS
SONAE ARAUCO

Based on a circular economy model we are able to build and transform beautiful, warm spaces using sustainable, affordable, attractive (eco) design wood-based solutions.
Sonae Arauco will be Carbon Neutral in 2040

A commitment that anticipates the fulfilment of the European Union goals by 10 years.
The challenges we face as humanity are substantial. And so is our responsibility.

This is our contribution for a better living and a better future.