



safe and sound

Aisti Corporation Oy

Carbon negative acoustic tiles for greener construction

2022

The Global Challenge



"Buildings are currently responsible for 39 % of global energy-related carbon emissions."

WORLD GREEN BUILDING COUNCIL 2022

Our Solution

The first sustainable acoustic tile in the world at an affordable price



Carbon handprint



Sound absorption performance

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100 % Reusable

Ecological



Foam Forming Technology

- synthetic binders

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• Foam forming technology developed by Aisti enables the production of low-density fiberboards from cellulose fibers without any

• Foam forming technology enables costeffective manufacturing in large volumes

Competitive Advantages

Aisti has an opportunity to become a global market leader in sustainable construction materials.



The same dimensions and installation process as the currently existing products.



Ecological

Natural wood fibers. Carbon negative. 0% plastics.



Ecological products at a conscious price. Lower life cycle cost as current products.



100% and easily recyclable. Our tiles are commodity at the end of their life cycle.

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Fulfills the highest fire safety requirements obtainable for natural materials (Euroclass B-s1, d0). Fulfills the highest requirements for sound absorption (Class A).

_/w/• Promotes wellbeing

Low VOC emissions. No irritating fibers. Clean indoor climate.



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Our Story

• Headquartered in Jyväskylä, Finland, Aisti employs seven senior employees.

• Aisti raised **€1.6 million** in its first funding round from Maki.vc and a consortium organized by Valve Ventures Oy.

• Our vision is to harness the power of nature to make natural, sustainable, and environmentally friendly products for modern construction.

Our Team

Antti Fredrikson Founder & COO Antti is a world-class wood fiber property designer for bio-based materials.





Mikko Paananen Founder & CEO Mikko knows the construction industry and has worked with acoustic panels for over 15 years.



Petri Jetsu

Founder & CTO Petri is innovative and highly skilled developer of fiberbased processes and products.

Heidi Luck Brand Lead Heidi is an exceptionally creative mind and an experienced brand and

marketing lead.



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Suvi Sell CFO Suvi has over 20 years of experience in finance and logistics management.

Aya Ahmed Content Creator

> Jouni Mehto R&D Engineer

Juha Houni R&D Engineer



Construction Industry



Building resilience against the environmental consequences of climate change

The urgency to drive decarbonization along the entire value chain of the construction industry is **imperative**:

- The lowering carbon intensity of building materials in the upstream production process of materials
- The implementation of climate-smart, low, and clean energy consumption in the use phase of real estate and infrastructure
- The design of more recyclable materials and closed material flows in the refurbishment and demolition phases (the circularity of building materials)



Sounds Spaces & Well-being



Chronic noise exposure contributes to 48 000 new cases of heart disease in Europe each year and disrupts the sleep of 6,5 million people.

ACCORDING TO HARVARD MEDICINE REPORTS 2022.

Patients in calming acoustic-enabled sound spaces recorded 24,5 % lower anxiety than those under ambient, hospital noise conditions.

ACCORDING TO HARVARD MEDICINE REPORTS 2022.

Our Priority SDGs

To achieve our vision of changing how building materials are made, we align our business strategy and operations with three priority SDGs.

We also work within the bounds of the EU Taxonomy Framework.



Our products are designed with wellbeing at the forefront.

Indoor noise pollution and stress are this era's silent threats to people's well-being, and our goal is to develop solutions that promote good health and optimal indoor climates.

12 RESPONSIBLE CONSUMPTION AND PRODUCTION Our tiles are 100% and easily recyclable. We can utilize the used tiles as raw material in our process.

The core of our business is to create sustainable and responsible construction materials that are conscious of our earth, and its natural resources, in all areas of production and consumption.

13 CLIMATE ACTION

Our tiles bind an average of 3kg of CO₂ per m².

We are conscious of the energy sources we utilize to produce our products and how we innovate our products with innovative and green materials that are carbon conscious.

Our Sustainability Indicators

NET CARBON FOOTPRINT

-0,44 kg CO₂e/m²

Carbon footprint is calculated as a net impact of our product's life-cycle accounting (LCA) and CO₂-binding in our core material, wood fiber.

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CARBON HANDPRINT



GHG emission reduction at our customer, compared to baseline solution.

Aisti's Board of Directors



Antti Fredrikson Chairman of the Board



Eerik Paasikivi Board Member (Valve Ventures Oy) Mikko Paananen CEO

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Petri Jetsu Board Member Pirkka Palomäki Board Member (Maki.vc)

Confidential

AISTI

Creating a sustainable planet tile by tile.

<u>Aisti.com</u>

