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Building Green Copenhagen – Extended Sustainability Document

This form is intended for exhibitors with physical products and solutions within the sustainable construction sector.

The document is divided into two categories that you must respond to. 1. ***Company level*** 2. ***Product level*** (To answer the following, it may be helpful to involve your production manager, environmental/sustainability manager, CSR/HR manager, etc.) The document will be used to visually present your company and product/service profile at the event. Your complete responses will be made available to conference participants via QR code and download.	
Generel information	
Company name	Aisti
Contact person	Mikko Paananen
Name of product/solution	Aisti Aalto®
Short description of product/solution	High-performing acoustic ceiling tiles made from natural wood fibre, using foam-forming technology.
1. Company level	
Are you ISO14001 certified? If yes – insert a link to the certificate. Please show/attach your policies regarding: Environment, CSR, Energy, Sustainability, Procurement Please insert links to: Code of Conduct UN Global Compact CSRD report (or alternatively voluntary environmental report, climate report according to GHG protocol)	We are not yet ISO 14001 certified, but we have started the process. We aim to achieve certification in 2027, once production is up and running. Code of Conduct: https://aisti.com/aisti-code-of-conduct

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2. Product level	
2a. Production	
Where in the world is your product/its components manufactured?	Aisti Aalto® tiles will be manufactured in Finland.
Are any or all of your raw materials/components recycled or surplus materials from other productions/activities? If partially: What proportion is recycled or surplus material?	Most of our raw materials are currently virgin materials. However, our goal is to also manufacture products using recycled materials and production side streams in the future. To support this goal, Aisti is involved in several research and development projects, including the publicly funded CIRCBUILT project. The steel used in the T-grid suspension system for our first product, Aisti Aalto, currently contains 7% recycled steel.
Do you produce using renewable energy? Do you generate it yourself or purchase credits?	Aisti uses 100% renewable electricity from hydropower in its production. The electricity is purchased from an external supplier, and its renewable origin is certified.
Does your product contain electrical or electronic components? And where are they produced?	No
Biodiversity – how do you manage biodiversity at and around your production site(s)?	Aisti's production facility has been granted an environmental permit, and we operate in accordance with its requirements. This includes managing emissions, chemicals and waste to minimise potential impacts on the surrounding environment. We are also continuously developing our environmental management practices as production starts and expands.

Packaging – what type of packaging is used for your product? And in what quantities? (e.g., weight of packaging vs. product weight)	Aisti products are packed in cardboard boxes made from FSC-certified packaging materials.
How much waste do you generate in your production? How is it measured? (percentage of production, quantity, etc.)	As our production is still in the ramp-up phase, we do not yet have representative data on production waste quantities. Our production facility has an environmental permit that sets requirements for waste management and monitoring. All production scrap and off-spec materials can be reused as raw materials in our manufacturing process.
What do you do with waste or surplus materials from your production and activities? (e.g., surplus heat to district heating, food waste from canteen to biogas, workwear to new textiles)	All production scrap and off-spec materials can be reused as raw materials in our manufacturing process. We also recover and reuse process water. Our drying systems already reuse heat by recirculating approximately 80% of the warm air. Additional heat recovery from exhaust air is planned to further improve energy efficiency. In addition to reusing materials in our own production, Aisti has agreed on its first cascade-use pilot, where production scrap and off-spec materials can continue their life cycle as raw materials for another product. All packaging waste, industrial waste and any hazardous waste generated are sorted for appropriate waste management.
Do you have off-take agreements for your waste? Who collects it and how is it processed?	Aisti has agreements with local waste management partners in Finland for the collection and further processing of production waste. All waste is sorted by type and directed to appropriate recycling, recovery or treatment. In addition, Aisti has a separate agreement for its first cascade-use pilot, where production scrap and

	off-spec materials can be used as raw materials for another product.
Other relevant input for this section?	Circularity and resource efficiency are key priorities for Aisti. As our production ramps up, we will continue developing our practices and collecting production-based data on material efficiency, waste, water and energy use.
2b. Resources – Raw Materials, Waste, Residual Fractions, Residual Packaging, Intake–Output, etc. (Consider your entire value chain, both upstream and downstream)	
Where do you source your raw materials, components, etc.? DK/Nordics/EU/BRICS/?	Aisti sources its raw materials and components mainly from suppliers in Finland and elsewhere in Europe. Some of our suppliers might use raw materials originating from Asia further upstream in their supply chains. Aisti continuously works to improve supply chain transparency, traceability and responsible sourcing practices throughout its value chain.
What are the options for your product at end of life? And how do you handle it? (e.g., take-back programs, leasing models, product-as-a-service, or does it end up being crushed or incinerated?)	Aisti's products have the potential to continue their life cycle as raw materials for other products. As a first concrete step, Aisti has agreed on a cascade-use pilot with a natural fibre insulation manufacturer, where production scrap and off-spec materials will be used as raw materials for insulation products. A product take-back system is also under development and will be tested as the product enters commercial use and practical installation, dismantling and collection processes can be evaluated. Energy recovery is another possible end-of-life option. Our goal is to keep materials in circulation and avoid landfill disposal.

Where does the waste from your production ultimately end up? (This refers to the *final* destination of the waste – not just the next step in the value chain, such as your waste management provider. For example, wires may end up in Pakistan where PVC is incinerated, and copper is recycled.)	Aisti's production waste is sorted by waste type and managed by contracted waste management partners in accordance with Finnish waste legislation. Waste streams are directed to appropriate recycling, recovery or treatment processes. As production ramps up, we are working with our partners to confirm the final treatment destinations of different waste streams.
Are there risks of child labor/forced labor/slavery in your value chain (both upstream and downstream), and how do you identify it? – If yes, how do you handle this?	Aisti has not identified any cases of child labour, forced labour or modern slavery in its value chain. However, we recognise potential risks in our suppliers' upstream supply chains, particularly where raw materials originate from Asia. To manage these risks, Aisti has established a supply chain sustainability process, including a Supplier Code of Conduct that suppliers are required to sign, ongoing supplier dialogue and risk assessments. Supplier audits have also been initiated to further improve transparency and responsible sourcing throughout our value chain.
How are environmental and climate impacts managed in your value chain? Is there a risk of soil/air/groundwater/freshwater pollution in your value chain?	Aisti manages environmental impacts at its production facility in accordance with its environmental permit, including the management of emissions, chemicals, water and waste. Our products' climate impacts are assessed through third-party verified EPDs, and our production electricity comes from 100% certified renewable hydropower. We recognise potential risks of soil, air and water pollution within the wider value chain, particularly in raw material sourcing and waste treatment. These risks are managed through our Supplier Code of Conduct, supplier risk assessments, ongoing supplier dialogue and audits. We continuously work to improve environmental practices and transparency throughout our value chain.

How do you manage subcontractors? (Policies, monitoring, audits, etc.)	Aisti manages its subcontractors and suppliers through a structured supplier management and sustainability process. All suppliers are required to sign our Supplier Code of Conduct, which covers human rights, labour conditions, environmental responsibility and ethical business practices. We monitor compliance through supplier assessments, documentation reviews and ongoing dialogue. Risk-based supplier audits have also been initiated, and we continuously develop our monitoring practices.
Other relevant input for this section?	Our public Partner Compliance page offers more info information https://aisti.com/partner-compliance and https://aisti.com/knowledge/article/154
2c. Logistics and Transport	
How far do you transport incoming raw materials/components? And how? (Truck, train, plane – fossil, hydrogen or electric?)	The majority of Aisti's incoming raw materials and components are supplied from Finland, with a smaller share delivered from elsewhere in Europe. Domestic deliveries are transported by truck, while longer-distance shipments use a combination of sea and rail transport. The fuel types used by transport providers have not yet been fully verified. We will develop our transport data collection and reporting as production ramps up. Exact supplier locations and transport routes are kept confidential for commercial reasons.

How far are your products typically transported? And how? (Truck, train, plane – fossil, hydrogen or electric?)	Aisti's first export markets are Sweden, Norway and Denmark. Products are transported from our production facility in Finland using a combination of road, rail and/or sea transport, depending on the destination and delivery route. The energy sources used in transportation have not yet been fully verified through reporting. Our logistics partners have been informed of Aisti's sustainability goals and upcoming transport data collection requirements.
How far is waste/spillage transported to its final destination? And how? (Truck, train, plane – fossil, hydrogen or electric?)	Waste generated at Aisti's production facility is managed and processed in Finland. Production scrap and off-spec materials can be reused directly in our own manufacturing process or through our agreed cascade-use pilot with a Finnish partner. Aisti can also receive installation offcuts from its export markets for reuse. However, our long-term goal is to develop local recycling and material reuse solutions in each market. In Finland, waste is mainly transported by truck. Exact transport distances and fuel types have not yet been verified. This information will be collected as production ramps up and our environmental reporting develops.
How do you handle returns? Are they reused – fully or partially?	Aisti is currently developing its product return process. All returned products can be received at our production facility in Finland, where the core material can be recovered and reused as raw material in our manufacturing process. Steel T-grid components are directed to established metal recycling systems in Finland.

Other relevant input for this section?	

Documentation of Environmental and Climate Impact
Please include links to: LCA according to ISO14040/14044 including critical review/panel review

Product Evaluation and Information	
Please include links to:	
New CE marking according to updated construction product regulation (CPR)	Not yet.
Social LCA according to UN guidelines	
Cradle To Cradle (C2C)	
Digital Product Passport (DPP)	
Environmental Product Declaration (EPD)	https://aisti.com/odoo/documents/kPbRcgwGRBulESDW31HCYAo4e8 and https://aisti.com/odoo/documents/_kU7OOv0SxGCLYSZqk-HKQo4e7
Product Environmental Footprint (PEF)	
Forest Stewardship Council (FSC)	FSC CoC license code: FSC-C227427. Can be verified in https://search.fsc.org/en/
Program for the Endorsement of Forest Certification (PEFC)	
Nordic Swan Ecolabel	
EU Ecolabel (Flower)	
Other relevant certifications	

Future Vision for Your Product/Solution	
How do you plan to: - Increase sustainability? - Reduce emissions? - Better support biodiversity? - Improve quality of life in your value chain? In 5 years?	Sustainability is at the core of Aisti's business. Our ambition is to help transform the construction industry by replacing conventional materials with bio-based, circular alternatives.

In 10 years?	Over the next five years, our sustainability development will focus on four key areas, guided by our ESG plan, targets and performance indicators: **1. More sustainable and circular materials** Increase the use of recycled and recovered materials in both existing and future products. Develop circular solutions, including material take-back systems, recycling and cascade-use partnerships. **2. Lower emissions and resource consumption** Reduce energy and water consumption through planned improvements in our production processes. Work with suppliers and logistics partners to reduce environmental impacts throughout the value chain. Continuously improve our products' environmental performance and verify progress through EPDs. **3. Biodiversity and responsible sourcing** Strengthen the traceability and responsible sourcing of wood-based materials, supporting responsible forest management. Work with suppliers to identify and reduce environmental and biodiversity risks throughout the supply chain. **4. People, well-being and responsible business practices** Promote safe and fair working conditions, human rights and responsible business practices across our value chain through supplier requirements, assessments, dialogue and audits. Improve the well-being of building users by providing products that support good acoustics, indoor air quality and comfortable indoor environments. We will also continue developing our management systems, pursue relevant ISO and voluntary certifications, and actively participate in research projects, industry collaboration and circular

	economy pilots to support a more sustainable construction industry.

Kilder:
This form has been developed in collaboration with experts in the construction industry, based on: The Danish Marketing Act, Guidelines from the Consumer Ombudsman, The Green Claims Directive, DDD – Due Diligence in the Value Chain, Construction Product Regulation (CE marking), UN's Guide on Social LCA, the Jysk/IKEA case, EMF Vol 1