

**BUSINESS
FINLAND**

Finnish Companies Participating in the PLGBC Green Building Summit 2023



About Business Finland

Business Finland is a state-owned organization that, in the RRF's Low-Carbon Built Environment Export program, promotes companies whose offerings are clear evidence of the Finnish economy's innovation and commitment to climate goals. The result is new materials from old waste, carbon footprint tracking solutions, energy management and circular economy technologies, and much more to decarbonize construction projects from design to long-term operations. The competencies and solutions of Finnish companies presented below are not just an invitation to get in touch. We want them to serve as inspiration, raise the bar of green goals and allow them to compete more effectively in the market.





Airfi: *MORE THAN PURE AIR*

OUR SOLUTION

- Airfi's air handling units have a frost protection technology based on a patented, learning algorithm (AI) that enables more energy-efficient ventilation.
- As a result, Airfi uses approx. 25% less electricity on average throughout the year.
- Since Airfi's devices are easy to connect to any other units, customers no longer need dozens of different accessories or devices.
- Airfi air handling units are also the fastest on the market to install and maintain.

BENEFIT FOR CUSTOMERS

- Very flexible, smart, easy to use, economical, high quality and most importantly environmentally friendly.
- Energy efficient, next-gen Air Handling Units (AHU) that work in any environment.
- Easy to install and maintain, with a wide range of connectivity as standard.

COMPETITIVE ADVANTAGE

- Based on laboratory test results, our frost protection system function operates seamlessly under extreme conditions in low outdoor temperatures and high exhaust air humidities, without an electric pre-heater in outdoor air connection.
- Reliable products with a long lifespan.

COMPANY

Founded in 2018, Airfi is a trailblazer and shows a success story in the ventilation industry. Airfi came into the market thanks to a combination of courage, passion and skill. All ventilation machines are designed and built in the company's own factory near Turku in Finland.

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FINBIN: *HOW TO HANDLE WASTE MORE EFFICIENTLY?*

OUR SOLUTION

- Finbin products include a solar-powered CitySolar smart bin, high-quality litter bins and indoor recycling bins.
- Companies, schools, shopping malls, hospitals and other public environments all have the same question – how to handle waste more efficiently and affordably while reducing the carbon footprint? Finbin’s mission is to help solve this problem.
- Finbin product range also includes high-quality bike shelters, bike racks, litter bins and recycling bins that are designed and manufactured in Finland since 1945.

BENEFIT FOR CUSTOMERS

- Based on unique patented technology, CitySolar is a waste-compacting smart bin powered by solar energy. The bin’s capacity is approximately 1,200 litres of compacted waste. It is the only product on the market with an adjustable inner container that is easy to switch from 120 litres to 240 litres. The upcoming CitySolar 2.0 model will include also a 360-litre option. CitySolar’s compaction and measurement system are both patented.
- CitySolar reports fill-level information to Finbin’s cloud service. This enables just-in-time emptying, further reducing costs.

COMPETITIVE ADVANTAGE

- CitySolar, the only 3-in-1 solution available, has the largest waste capacity on the market. Its solar panels are designed to work even in the snowy conditions of the north, where there is almost no sun for part of the year.
- CitySolar reduces both waste management costs and the carbon footprint.

COMPANY

Finbin is one brand within the Finnish Lehtovuori Oy company. For over 75 years, the company has helped its customers develop urban environments with high-quality outdoor furniture.

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FINBIN®

Lumon: *MORE ROOM FOR LIFE AND BIG ENERGY SAVINGS*



OUR SOLUTION

- Several independent studies have proven that Lumon balcony glazing can help reduce heat consumption and provide remarkable energy savings. The Lumon balcony glazing system has also been shown to reduce the need for outdoor balcony maintenance and repairs. Additionally, it significantly reduces noise in living spaces by up to 27 dB.
- Lumon glazing products are suitable for apartment buildings, townhouses, row houses and cottages, for both new and refurbished buildings. Lumon balcony glazings, railings and roofs, together with blinds, form a modern and impressive balcony facade, serving as a pioneer in European architecture. Aluminum and glass are durable, yet light and recyclable materials.

BENEFIT FOR CUSTOMERS

- Lumon glazing makes your balcony a usable space for almost year-round. It is proven to reduce maintenance costs and protect the balcony concrete from deterioration. Lumon solutions increase overall building value and make a pleasing overall building appearance. Noise levels can be reduced by up to 50%. Lumon glazing contributes to LEED certification

COMPETITIVE ADVANTAGE

- With over 40 years of experience, Lumon has delivered over 1 million balconies. Satisfied customers have given us a Net Promoter Score 72. Lumon supplies high-quality solutions to building companies and more usable living space for end customers with energy savings and noise reduction.

COMPANY

Lumon is a family-owned, international group focused on the design, sales, production and installation of frameless balcony facades and terrace products. Headquartered in Finland, Lumon has subsidiaries and partners in more than 20 countries.

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Peikko: *FORERUNNER IN LOW-CARBON CONSTRUCTION*



**-50%
CO₂**

Low-carbon construction: DELTABEAM® Green
The first company to offer steel structures made from >90% recycled steel. This decreases beam CO₂ emissions by 50%.



Hybrid solutions

Low-carbon construction: DELTABEAM® and Timber slabs
The first company to actively offer slim floor structures in combination with wooden floor slabs and to invest in researching this topic.



The first company to offer precast connections that enable a disassembly design and make the reuse of building components possible.

OUR SOLUTION

- Peikko is a leading global supplier of slim floor structures, wind energy applications and connection technology construction. Our innovative solutions offer a faster, safer and more sustainable way to design and build frames.
- The building industry is responsible for major societal impact, with 40% of total energy use and 30% of the global amount of waste. Moreover, the concrete business is a major producer of excess material. As an industry forerunner, Peikko is determined to be part of the solution and not the problem. We believe that you should not have to choose between efficiency and the environment. Raw materials are simply too precious to be wasted.

BENEFIT FOR CUSTOMERS

- We are committed to constantly improving our operations and business sustainability. It is important to transparently communicate how Peikko operates when it comes to environmental, social and governance matters. This is not only important for our customers and employees, but also for other stakeholders and communities, where we are locally present.

COMPETITIVE ADVANTAGE

- Sustainability is part of Peikko's way of working. It enables us to deliver better solutions for our customers, drive operational efficiency, be an attractive employer, manage risks and support society in many ways. We have chosen six sustainable development goals connected to our own operations, and they also support our customers in their actions to decrease CO₂ emissions.

COMPANY

Peikko has sales offices in over 30 countries in Asia-Pacific, Europe, Africa, the Middle East and North America, with manufacturing operations in 12 countries. Peikko generated a turnover of EUR 255 million in 2021. Peikko is a family-owned and managed company that employs about 2,000 professionals globally.

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Siparila: *Wood for living*

OUR SOLUTION

- Siparila Oy is a Finnish manufacturer of wood products and specializes in high-quality exterior and interior cladding panels.
- Siparila's customers are construction industry professionals, construction companies, architects and construction designers. The excellent quality and durability of our sustainable, low-carbon premium products have been recognized both in Finland and abroad.
- We also provide high-quality wooden components for furniture companies.

BENEFIT FOR CUSTOMERS

- We are excited about the opportunities that wood offers and are continually developing new ways of using wood in construction and interior design. We encourage our customers to use wood creatively with an open mind because it is an excellent material for creating exciting surfaces and unique structures.
- We strongly invest in sustainable development and environmental responsibility. Our products are FSC and PEFC-certified, which guarantees that the wood products are made from sustainably managed forests.

COMPETITIVE ADVANTAGE

- We develop our products constantly. The products we offer are durable – and easy and quick to install. Siparila's strengths are high quality, reliability, ecology, customer orientation and our wide range of products.
- Our operations are based on customer satisfaction. We always strive to offer the best possible solution for our customers' needs.

COMPANY

Based in Vaajakoski in Central Finland, Siparila Oy was founded in 1993. In Finland, Siparila has six factories located in Vaajakoski, Myllykoski, Laukaa, Parkano, Teuva and Kajaani. Siparila is part of Thermory Group with its head office in Tallinn, Estonia.

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