



Press Release

Copenhagen, August 27, 2025

Nordic Alpha Partners invests in MicroShade's revolutionary solar shading technology

Nordic Alpha Partners today announced the acquisition of all MicroShade assets and patents, supporting the company's missions to eliminate the largest construction pain points globally.

With its **unique 3D micro-structure built into the glazing**, MicroShade tackles the most persistent challenges in the construction industry: solar heat, view and natural light management.

The company's **glass-integrated solar shading technology** enables architects, developers, and building owners to design facades that combine visual transparency, energy performance and sustainability in ways not previously possible.

"We have followed MicroShade closely for the last 18 months and are confident that the next generation of its high performing solar shading solution is ready for accelerated internationalisation," said Jannik Christensen, Partner at Nordic Alpha Partners.

Tackling global emissions

Buildings are responsible for more than [30%](#) of energy-related emissions within the European Union, with heating and cooling accounting for around [25%](#) of global CO₂ emissions.

After a decade of pioneering advancements, MicroShade's new polymer-based 3D micro-structure is seamlessly integrated into insulating windowpanes. The near invisible film layer functions as a complete shading solution, preventing direct solar irradiation from penetrating the glazing, while still allowing natural light transmission and clear outward visibility.

By diverting heat and allowing natural light to pass through, MicroShade's patented structure removes the need for external shading solutions while reducing the dependency on artificial cooling, offering a five-fold improvement in light-to-energy ratio compared to alternative solutions. All alternative solutions significantly reduce daylight penetration and

view-out quality to be sufficiently energy effective, making MicroShade's technology entirely unique and without compromise.

"We are extremely focused on spotting technologies that has strong business cases while accelerating the global decarbonisation effort. MicroShade is the only simple, passive and effective solution that can match the energy effect of complex and expensive solar shading systems," said Rasmus Lund, senior partner and head of the investment team at Nordic Alpha Partners.

Disruptive potential

Unlike conventional shading systems, MicroShade is integrated into the glazings, **eliminating the need for external louvres or blinds**. Its predictable and high-energy performance limits the need for extensive and complex heating, ventilation and air conditioning (HVAC) systems.

As a result, building owners and real-estate asset management companies can not only save large costs on facade maintenance, but reclaim valuable square meters and floorspace otherwise lost to HVAC and double facades.

"While the construction industry features a complex value chain, MicroShade already has close ties with commercial partners across Europe. Its relationship with established players in the glass and facade industry will be a key pillar for us to build our investment and growth strategy on," Jannik Christensen added.

MicroShade's first- and second-generation solutions are already installed in hundreds of buildings across 13 countries including landmark projects such as Copenhagen Towers (Foster + Partners), Nordea's new head offices in the Nordics (Henning Larsen), as well as the Lapp GmbH's headquarters in Stuttgart and the German Architecture Museum in Frankfurt.

With over 10 billion square meters of flat glass produced globally last year, MicroShade has the potential to become the new standard solution to some of the construction industry's biggest challenges.

About MicroShade

Founded in 2003, MicroShade is a Danish technology company specializing in integrated solar shading solutions for the glass and construction industries. Its patented 3D micro-structure technology delivers superior performance in light transmission and energy control, enabling more sustainable, comfortable, and space-efficient buildings.

<https://MicroShade.com/>

About Nordic Alpha Partners

Founded in 2017, Nordic Alpha Partners a European growth equity firm investing in transformational technology companies across the Nordics and DACH. With €400m under management across two funds, the firm partners with entrepreneurs and innovators to scale solutions that address global challenges in energy, construction, industrial decarbonisation, and sustainability.

<https://www.nordicalpha.com/>

For media inquiries:

Gustav Højmark-Jensen

Head of Platforms

Nordic Alpha Partners

+4528253671 | ghj@nordicalpha.com

This operation benefits from support from the European Union under the InvestEU Fund.

