



Building & Industry

**NOVENCO** 

SCHAKO Group



# Energy efficient ZerAx<sup>®</sup> fans

Contribute to LEED certification

# How NOVENCO contributes to LEED certification

Clear documentation from Rambøll shows how NOVENCO® fans support LEED-certified design.

## Green impact

NOVENCO's highly efficient ZerAx® fans contribute positively to LEED certification. In collaboration with leading Danish engineering consultancy Rambøll, we have documented how our products can help constructors and contractors achieve LEED credits.

The table on the next page shows the LEED credits across three categories where NOVENCO products can make an impact, indicating the potential contribution of ZerAx fans for each building type. Contributions represent influence and are not guaranteed by the fan alone.

With overall efficiencies of up to 85%, the EC+ solution is among the most efficient and cost-effective on the market. Designed to optimize HVAC systems, it reduces energy use in both new and existing installations, while lowering CO<sub>2</sub> emissions and overall environmental impact.

These benefits make EC+ solutions an effective choice for enhancing energy efficiency in ventilation systems, benefiting both building operators and the environment.

## Energy in focus

ZerAx fans significantly improve building energy performance. The environmentally responsible EC+ concept, developed with Danfoss, meets the growing demand for energy efficiency.

# Credit overview

The table below shows the LEED credits in three categories where NOVENCO® ZerAx® fans can contribute with credits.

LEED category and credits	Description
<b>Energy and Atmosphere</b>	
<b>EA P1</b> Fundamental Commissioning and Verification	The prerequisite supports designing, constructing, and operating a project that meets the owner's requirements for energy, water, indoor environmental quality, and durability. LEED v4.1 emphasizes independent commissioning to verify that building systems are installed, calibrated, and perform as intended, optimizing efficiency and minimizing operational issues from day one.
<b>EA P2</b> Minimum Energy Performance	The prerequisite ensures the building meets a minimum level of energy efficiency. Projects must comply with established energy standards or performance targets for all major systems, reducing environmental impact, lowering operational costs, and providing a baseline for additional energy credits.
<b>EA C1</b> Enhanced Commissioning	The credit is given for ensuring all energy-related systems are fully functional, optimized, and verified beyond basic commissioning, covering design, construction, and the first year of operation to reduce operational issues, improve energy efficiency, and support occupant comfort and long-term performance.
<b>Materials and Resources</b>	
<b>MR P2</b> Minimum Energy Performance	The prerequisite is given for ensuring the building meets a minimum energy efficiency level, demonstrating compliance with established standards or performance targets for all major systems, reducing environmental impact, lowering operational costs, and providing a baseline for additional energy credits.
<b>MR C1</b> Building Life-Cycle Impact Reduction	The credit is given for reducing the environmental impact of materials over the building's life by encouraging reuse of existing structures, optimized material selection, and Life Cycle Assessment (LCA) to lower embodied carbon, resource depletion, and other life-cycle impacts, supporting sustainable and circular construction.
<b>MR C2</b> Life-Cycle Impact Reduction	The credit is given for encouraging adaptive reuse, smart material selection, and reduced environmental impact, using a Life Cycle Assessment (LCA) of key components to minimize carbon footprint, resource depletion, and other life-cycle impacts, supporting a sustainable and resilient project.
<b>MR C3</b> Building Product Disclosure and Optimization: Environmental Product Declarations	The credit is given for promoting transparency and informed material selection by using products with verified Environmental Product Declarations (EPDs), providing life-cycle environmental impact data, reducing the building's overall footprint, and supporting responsible sourcing.
<b>MR C9</b> Building Product Disclosure and Optimization: Sourcing of Raw Materials	The credit is given for promoting responsible raw material sourcing by selecting products with sustainably sourced materials—such as recycled content, responsibly managed forests, or verified conflict-free sources—reducing environmental and social impacts and supporting ethical supply chains.
<b>Indoor Environmental Quality</b>	
<b>EQ P1</b> Minimum Indoor Air Quality Performance	The prerequisite is given for ensuring a healthy indoor environment by meeting ventilation and air quality standards, controlling pollutants, and providing adequate airflow to support occupant comfort, health, and productivity.
<b>EQ C1</b> Enhanced Indoor Air Quality Strategies	The credit is given for improving indoor air quality beyond minimum requirements by implementing advanced filtration, pollutant source control, increased ventilation, and air quality monitoring, reducing exposure to contaminants and supporting occupant health, comfort, and productivity.
<b>EQ C3</b> Enhanced Indoor Air Quality Strategies: Construction Indoor Air Quality Management Plan	The credit is given for minimizing indoor air quality issues from construction and renovation by implementing a management plan that controls dust, contaminants, and pollutant sources, ensuring a safe and healthy indoor environment from day one.



## Are you a LEED auditor?

If you are a LEED auditor on a specific project, you can receive Rambøll's detailed report and additional documentation package for NOVENCO's contribution to the building certification.

### Contact us on:

[info@novenco-building.com](mailto:info@novenco-building.com)

+45 70 77 88 99

[novenco-building.com](http://novenco-building.com)

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