

Pure competence in air.

ENERGY EFFICIENT ZERAX[®] FANS CONTRIBUTE TO DGNB CERTIFICATION OF SUSTAINABLE BUILDINGS

Building & Industry

NOVENCO 

SCHAKO Group





DGNB facts

DGNB stands for 'Deutsche Gesellschaft für Nachhaltiges Bauen' (*in English the German Sustainable Building Council*).

DGNB is the German sustainability certification for buildings.

DGNB was founded in 2007 and is based on a systematic approach to sustainability.

More than 4,500 projects have been awarded in DGNB certification in around 30 countries.

The DGNB is the undisputed market leader and is regarded worldwide as the most ambitious system in terms of content.

A building can achieve DGNB certification at the silver, gold or platinum levels.

In Denmark, Green Building Council Denmark has chosen the DGNB as the certification. In 2012 the first Danish-adapted version was launched, which has since been updated.

HOW NOVENCO CONTRIBUTES TO DGNB CERTIFICATION

Rambøll has created a documentation package as a helpful tool when constructors, contractors or auditors need to assess NOVENCO Building & Industry's specific contribution to DGNB certification of buildings. The documentation has been created in relation to the Danish DGNB standards from 2016.

The table on the next page shows the criteria to which NOVENCO Building & Industry's products contribute in the DGNB Certification of office and residential buildings, and how much each criteria counts in the certification. NOVENCO's products can have a positive impact on the points within the listed criteria, which may account for up to 39.1 % of the total certification.

GREEN IMPACT

As a conclusion of the documentation package, NOVENCO's products - ZerAx® axial fans have the largest impact on the DGNB criteria within the environment, economy and technology. The ZerAx® fans have low impact on process criteria, whilst having no influence on the social criteria. This is due to the fact that these criteria are mainly project-specified, and thus are primarily dependent on the building design and the construction processes.

ENERGY IN FOCUS. NATURALLY.

The ZerAx® fans have an additionally large impact on the energy consumption in the buildings.

The environmentally responsible EC+ concept with ZerAx® fans is the latest market response to growing demands for energy saving and the result of close cooperation between Danfoss and NOVENCO.

With overall efficiencies up to 85%, the EC+ solution is the most efficient, profitable and up-to-date available on the market. Conceived to increase efficiencies of HVAC systems, the EC+ concept offers to radically reduce use of energy in existing and new installations. Furthermore, the environmental impact is diminished and CO₂ emissions are significantly reduced.

All this makes the EC+ solutions strong and capable alternatives for maximisation of the energy efficiencies of ventilation systems for the benefit of operators and the environment.



Novenco provides a well-documented and easy to work with product in the implementation of DGNB certifications.

With all documentation for DGNB in one place, Novenco creates a very transparent product – the Novenco ZerAx axial flow fans. This is exactly what is needed to make informed design choices in the future.



*Christine Collin,
Senior Sustainability Consultant at Rambøll*



Are you a DGNB auditor?

If you are a DGNB 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 or +45 70 77 88 99

NOVENCO Building & Industry can contribute to one-third of DGNB certification points

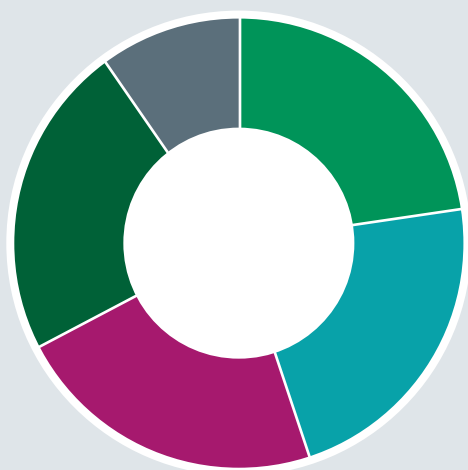
NOVENCO can have positive impact on all the criteria listed in the table below.

They may account for up to 39.1 % of DGNB certification.

It is not NOVENCO's products alone that ensure the 39.1% of the percentage points, but the percentages describe the criteria by which NOVENCO's products can contribute positively to the point allocation in a particular project.

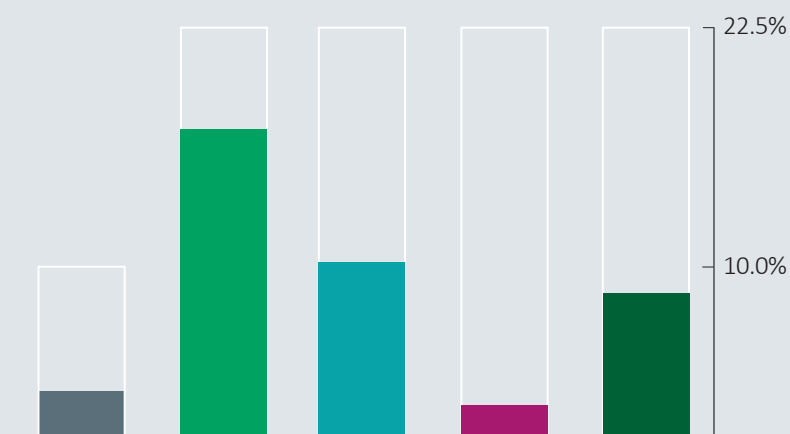
Process quality	PRO 1.5	Documentation for sustainable management	1.1%
	PRO 2.2	Quality assurance of the construction	1.7%
Environmental quality	ENV 1.1	Building life cycle assessment	7.9%
	ENV 1.2	Local environmental impact	3.4%
	ENV 2.1	Flexibility and adaptability	5.6%
Economic quality	ECO 1.1	Life cycle cost	9.6%
Social quality	SOC 1.5	User control	1.8%
Technical quality	TEC 1.2	Sound insulation	3.2%
	TEC 1.4	Use and integration of building technology	1.6%
	TEC 1.6	Ease of recovery and recycling	3.2%

Total NOVENCO's possible contribution 39.1%



DGNB: criteria in percentages

Process quality	10.0%
Environmental quality	22.5%
Economic quality	22.5%
Social quality	22.5%
Technical quality	22.5%



DGNB: NOVENCO's possible contribution

Process quality	2.8% of 10.0%
Environmental quality	16.9% of 22.5%
Economic quality	9.6% of 22.5%
Social quality	1.8% of 22.5%
Technical quality	8.0% of 22.5%

ZERAX[®] - DESIGNED FOR LIFETIME

The engineering of the NOVENCO[®] ZerAx[®] fans is an unprecedented achievement in NOVENCO history. The ZerAx revolutionises the design and performance of axial flow fans and is in fact an energy-saver of the future that redefines and heralds a new generation of fans. The ZerAx is 98% recyclable, has unmatched fan efficiencies of 92% , low sound levels and product lifetimes of 20+ years. This makes it the best-in-class and ready to comply with future environmental legislation.



Fan efficiencies
up to 92%



Energy savings
of 20-50%



Lifetime
of 20+ years



98% recyclable



Low
sound levels



ROI's between
12-18 months



Zero
maintenance



Sustainable
production

Pure competence in air.

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