

BETTER RESULTS THROUGH INCREASED UPCYCLING OF MATERIALS

A total agreement and better recycling brings clear benefits to NOVENCO Building & Industry.

It starts here.



CO₂

Production of new aluminium and steel leaves large CO₂ footprints

The increased recycling of aluminium and steel is good for the environment.

However, proper recycling requires knowledge, a knowledge that Stena Recycling offers its customers.

Among these customers is NOVENCO Building & Industry in Naestved, Denmark, who manufacture some of the most environmentally friendly fans and ventilation systems in the world. NOVENCO wished to increase its recycling and needed a strong partner with the right mindset, deep material insight and experience with effective waste reduction.

“For us to exceed the regulatory requirements and contribute to the sustainable development, we have collaborated closely with Stena Recycling. Stena’s international network and knowledge of the steel industry’s requirement specifications has been crucial to how we sort and develop recyclable products for the benefit of the environment and the entire metal-working industry.”

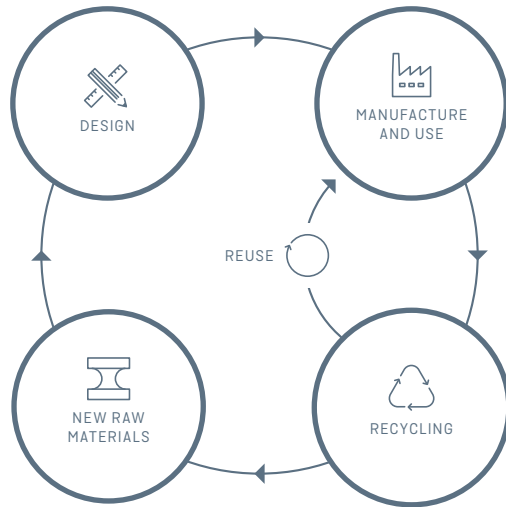
*Lars Erik Knaack,
CEO, NOVENCO Building & Industry*

“Competent sparring with external specialists is important to us. And, the access to the knowledge Stena Recycling possesses, was of key importance to us. We saw great benefits in a single and combined solution, while we also had an important wish for a total single-supplier solution. The partnership with Stena Recycling has given us a valuable add-on to our energy-saving solutions and ensured we have a closed recycling circuit for aluminium and other metals.”

Lars Erik Knaack, CEO, NOVENCO Building & Industry

NOVENCO Building & Industry chose Stena Recycling as a partner, because of their detailed material knowledge and decades of experience in waste management. In addition, Stena also possesses great know-how in the metal field, product development and design. The match has indeed proved very valuable.





98%

of the materials
are recyclable

“At NOVENCO Building & Industry, we have created an efficient sorting system. It is supported by an employee culture, that whole-heartedly backs waste minimisation, and secondly by our strong collaboration with Stena Recycling on the quality increase of recycled materials.”

Lars Erik Knaack, CEO, NOVENCO Building & Industry

Design for Recycling with clear recommendations

Stena Recycling offers a Design for Recycling process, which involves close sparring and an elaborate report on materials and recycling rates.

For NOVENCO Building & Industry, it has created clear processes and procedures that have improved the company’s material recycling rate.

“ We have received specific and clear improvement proposals based on a thorough report. Stena Recycling takes into consideration how we separate materials for optimal use of resources. They are able to do this because of their vast know-how and experience. The cooperation has taken NOVENCO Building & Industry to the next level of sustainability and moved us towards our goal for sustainable growth.”

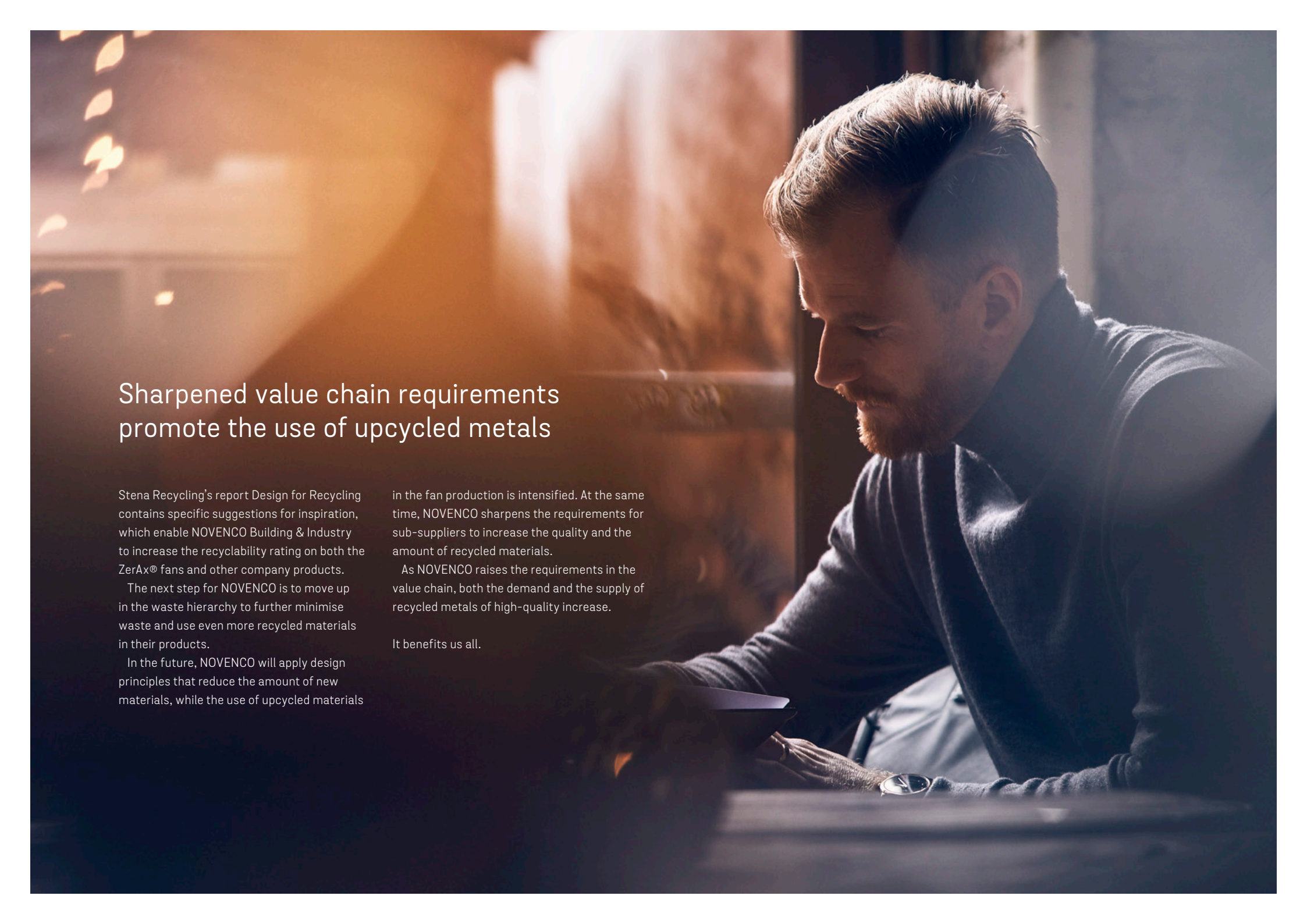
Lars Erik Knaack, CEO, NOVENCO Building & Industry

The Stena Recycling Design for Recycling report from March 2020 shows that a total of 98% of the materials in NOVENCO’s renowned ZerAx® fan are recyclable.

Both in terms of energy and materials, NOVENCO thereby contributes to significant lower CO₂ emissions and to a reduction of the global resource consumption.

By ensuring that aluminium and steel are sorted, the company’s products can be developed in a different way. With a higher degree of material recycling, more recycled resources can be included in the production loop.

The Design for the Recycling process has strengthened NOVENCO’s market position and the company can develop sustainable products faster and easier by putting more effort into the initial design phase.

A man with a beard, wearing a dark turtleneck sweater, is focused on working on a fan component. He is in a factory or industrial setting, with warm, golden light filtering through a window in the background, creating a soft glow and some lens flare. The man is looking down at his work, and his hands are visible as he handles the component. The overall atmosphere is one of concentration and craftsmanship.

Sharpened value chain requirements promote the use of upcycled metals

Stena Recycling's report Design for Recycling contains specific suggestions for inspiration, which enable NOVENCO Building & Industry to increase the recyclability rating on both the ZerAx® fans and other company products.

The next step for NOVENCO is to move up in the waste hierarchy to further minimise waste and use even more recycled materials in their products.

In the future, NOVENCO will apply design principles that reduce the amount of new materials, while the use of upcycled materials

in the fan production is intensified. At the same time, NOVENCO sharpens the requirements for sub-suppliers to increase the quality and the amount of recycled materials.

As NOVENCO raises the requirements in the value chain, both the demand and the supply of recycled metals of high-quality increase.

It benefits us all.