



They join us for truly sustainable



Product

ECO Hemp - PC Case



Designer

Hempstudio



For

Coolermaster



Info

The question: Develop a bio-based PC case. Try to make as many housing components as possible circular preferably biodegradable. Working closely with Ralph Dost of Hempstudio, BioPanel took up this challenge. In doing so, we tried to make all parts of the PC case more environmentally friendly.



CO2-reduction

30 kg CO2 per PC case



PC case



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[coolermaster.com](https://www.coolermaster.com)



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Product:

Concept signage for Denmark's cycle node network



Designer

Danish Cycling Tourism



For

Denmark is experimenting with the cycle junction network, allowing cyclists to plan and navigate their own route using a sequence of numbered nodes. The network is being tested in four pilot areas, and from 2024, more regions are expected to follow suit. The aim is to signpost nationwide, creating 20,000 km of cycle-friendly routes. The project is subsidised by the Danish Outdoor Council.



Info

BioPanel worked with the project team to test sustainable materials for the signage. By carrying out a comparative analysis of material usage and environmental impact, BioPanel has been able to provide valuable insights into the most eco-friendly options.



CO2-reduction

The potential 50.000 signs will reduce 200.000 kg of CO2



Cycle network



DANSK CYKELTURISME

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cykel.net



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Product

Inversum oval - Exclusive designer lamp



Designer

Jurre Nijhof



For

Consumer



Info

We chose BioPanel because this material, with its vision and appearance, matches Fyrlux's vision.



CO2-reduction

0.2 kg CO2 compared to a lamp made of fossil-based plastic



Designer lamp

FYRLUX



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Product

Hempflax - The industrial applications of hemp are endless!



Vision

The Hemp plant as a whole, holds a large market share in terms of applications for sustainable solutions in everyday life. This multi-purpose organic solution leads us in our quest to build a healthy planet for generations to come.



CO2

We believe in this plant with all our heart and grow our own crops. In doing so, we are extremely economical with raw materials, water and pesticides. Hemp cultivation removes CO2 from the atmosphere. At Hempflax we focus on developing techniques to fix this CO2 into construction materials and various other finished products to prevent it from being released back into the air.



Hemp

We are proud that our hemp is the raw material for BioPanel!



Nature wins!

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hempflax.com



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Product

LVNG trays



Designer

LVNG B.V.



For

LVNG B.V.



Info

The LVNG tray is 100% biodegradable and circularly produced in the Netherlands. The material consists of plant-based raw materials; a mix of hemp with corn starch. We chose BioPanel because this material is the most innovative. Made in the Netherlands and fits within our sustainable concept.



CO2-reduction

0.5 kg CO2 - compared to a tray made of fossil-based plastic



Hand set



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lvng.shop



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Product

Album made of hemp



Designer

Boj van den Berg | Landschapstudio New Grounds



For

Urban Greeners



Info

The album 'BUITEN' (OUTSIDE) consists of tracks by Yung Dada, Eelco van Zanten, Basil, Alken and Romy Dya. We went outside with them, we started listening and they decided: this is what the Almere (city) of today sounds like. The result: five tracks with the sound of their city as inspiration. Ticking traffic lights, whistling birds and the rhythm of piles being driven into the ground. Sound is everywhere, if only you want to hear it.

Of course, we couldn't release this sustainable project on a vinyl record. Because vinyl is not a natural material, it is made from crude oil and chlorine. And pressing takes an awful lot of energy.



CO2-reduction

0.5 kg CO2 compared to an album made of vinyl



Album

NEW GROUNDS

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urbangreeners.com



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Product

Swallow's nest Martin - Nature-inclusive starter home for swallow
The 3D printed nest degrades. The sheet material has a longer lifespan, so the swallow can basically build the next nest itself.



Designer

Omlab



For

Omlab developed Martin as an example.
For Dura Vermeer, Omlab designed a barn swallow nesting box, Barney. These were installed under circular bridges in Amsterdam.



Info

We chose BioPanel because everything makes sense:

- biodegradable bio-plastic - produced in Gelderland
- easy to process with laser cutter - deposit for residual material



CO2-reduction

0.7 kg CO2 compared to a fossil-based plastic variant



Swallow nest

omlab

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omlab.nl/martin



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Product

Route signs Routebureau Veluwe



Designer

Diezit (Deventer)



For

Route networks



Info

We chose BioPanel because we wanted to use a sustainable and environmentally friendly material on the Veluwe. BioPanel is a 100% bio-based panel material, made from vegetable raw materials, its production is practically CO₂ neutral and at the end of its life, BioPanel can be processed into new signs. It is therefore ideally suited as a material for signs in a wooded area like the Veluwe!



CO₂-reduction

A3 mm route sign: 2.3 kg CO₂ compared to aluminium sign

A6 mm route sign: 8.9 kg CO₂ compared to aluminium sign



Route signs

routebureau
veluwe

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routebureauveluwe.nl



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Product

Concept facade panel Floriade pavilion Amsterdam and Almere



Designer

Studio Marco Vermeulen



For

Municipalities of Amsterdam and Almere



Info

We chose BioPanel because it is 100% bio-based and circular.



CO2-reduction

4 kg CO2 - per 50 x 50 cm panel



Facade panel

STUDIOMARCOVERMEULEN
architectuur stedenbouw landschap onderzoek

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marcovermeulen.nl



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Product

Laser processing of BioPanel by Snijlab



Designer

Snijlab



For

Various clients



Info

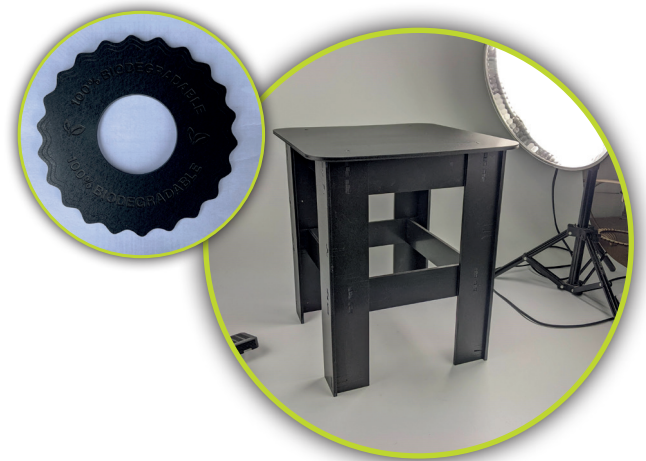
Snijlab makes laser cutting quick and easy. At Snijlab, you can have all your plastic and wooden parts up to 1200×600 mm laser cut. These can be single pieces, models or prototypes, as well as serial work. This way, Snijlab serves industry, students, the creative sector and anyone else who wants to have something laser cut.



CO₂-reduction

Table (see photo): 9.9 kg CO₂ compared to a fossil-based plastic variant

The CO₂-free coaster made especially for LOOP was designed by Karina Larsen (I Do Merch) from Denmark.



Snijlab



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snijlab.nl