

Circulariteit in dienstenbedrijf Transmoove : do's & don'ts vanuit de dagelijkse economische realiteit

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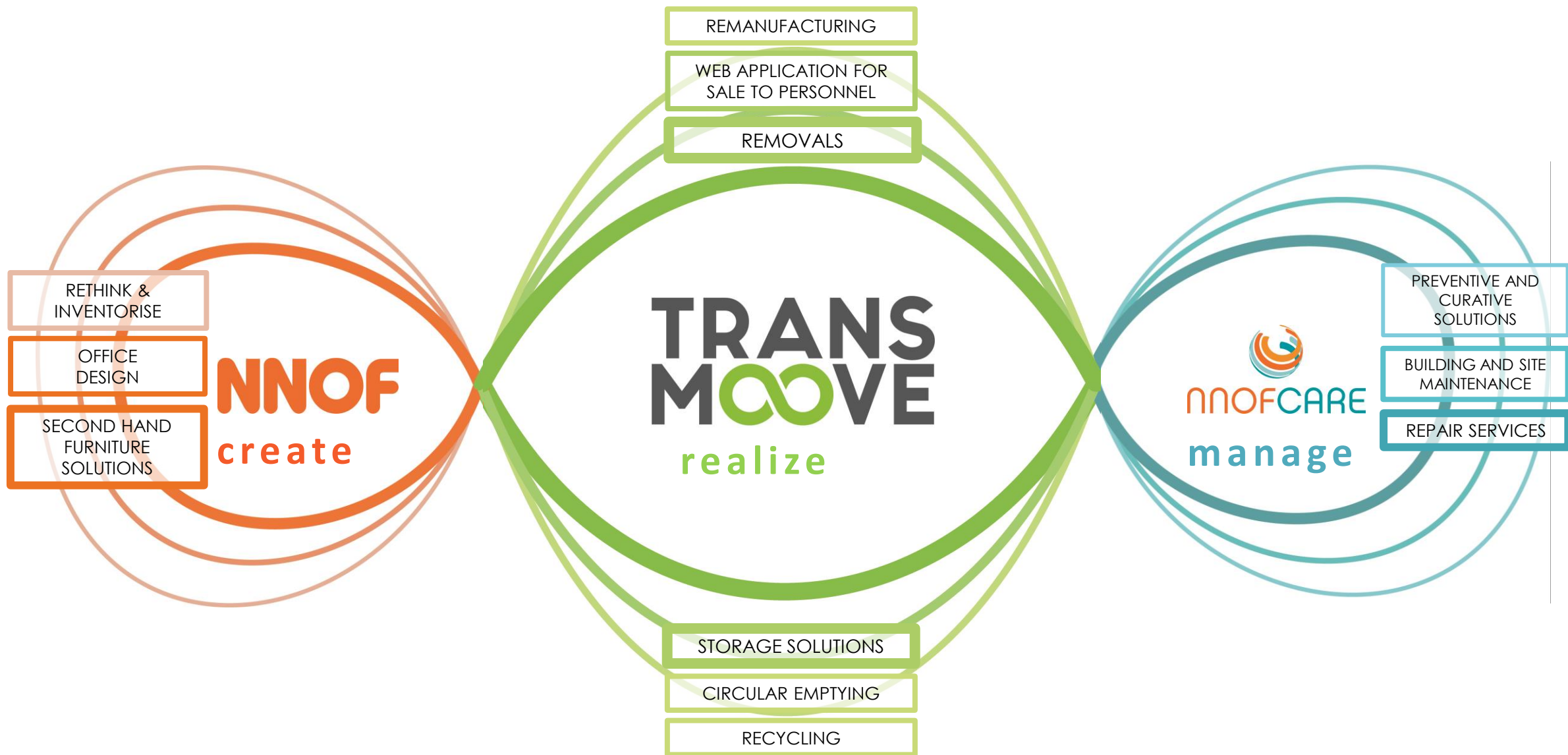
Anne Lenaerts is mede-eigenaar van Transmoove, een dienstenbedrijf met 100 medewerkers, dat oplossingen biedt van kantoorontwerp en verhuizingen tot meubeltransformaties (onder het submerk Nnof) en logistieke oplossingen.



Introduction

Who are Transmoove
and Nnof ?







Did you know that ...

1. we drive our business value-driven ? And that we are **fully committed to sustainability** ?
See <https://transmoove.org/visie/> And that **circular emptying** of the buildings can also be taken care of ?
2. the client is assigned **one project manager**, the SPOC, who guides the client in devising the needs, organizing workshops, assisting the architectural team, and together can come up with a program of requirements, followed by the final construction and project management of the works ?
3. we can also go to maximum refurbishment within our group and thus have **about 80% less impact on the environment** ? See www.nnof.be
4. in terms of furniture production, we work with the external team of custom company Kunnig, people with **disabilities who are responsible for transformation and refurbishment** ?



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3. we can also go **the environment**
4. in terms of full **with disability**

Do's & don'ts

“Uitdaging blijft om iedereen doordrongen te laten zijn van de CSR-gedachte”

“Inzetten op het team en op cultuur, is een actieve dagelijkse missie”



Did you know that ...

1. we drive our business
See <https://tra>
2. the client is assisted in
organizing work
requirements,
3. we can also go
the environment
4. in terms of funding
with **disabilities**

Do's & don'ts

“Inzet van mijn vrouwelijk leiderschap in ons familiebedrijf.

Ik volg daarbij mijn 3 intelligenties :

- Buikgevoel
- Analyse en visie van anderen samenbrengen
- Beslissing vanuit het hart

Zo stuur ik aan en blijf ik trouw aan mezelf.

Familiebedrijf is voor ons :

Kansen aan jonge mensen, van generatie op generatie doorgeven, ahv sterke bedrijfscultuur, inclusief ondernemerschap en job crafting.

We zijn lerend, en we sturen bij ...”



1990-2000



reusable moving boxes and blankets : less materials needed

reversed logistics to return carton boxes

2000-2005

packing materials returning to producer : less waste

2005-2010

transform office furniture by @Nnof : 80% less eco-impact

new up-to-standard warehouse of 10.000 sq m

individual ecological targets : raise awareness

first carbon footprint

2010-2015

bio-diverse garden and insects hotels : 5 times more life

solar panels on the roof : 100% renewable energy

2015-2020

waste separation units in each van/truck : reusable waste

trucks and vans EUR5&6 : reduction of fuel consumption

social employment : decent societal work

renewal of carbon footprint

2020-2025

focus on the less impactfull circular strategy

bi-monthly newsletter : raise external awareness

webshop for second-hand/-chance furniture : avoided production

with the lowest possible environmental impact ...

1990-2000



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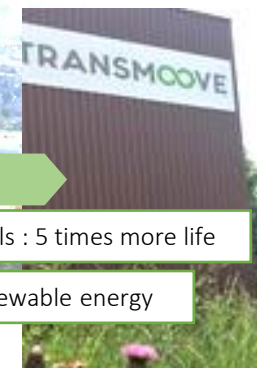
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Do's & don'ts

“De grote eye-opener was de carbon-footprint”

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<https://trends.knack.be/kanaal-z/z-nieuws/bekijk-voka-lanceert-campagne-goede-zaken/>

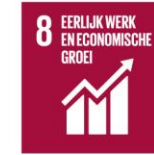


along the most important CRS and quality labels





Deelnemer
Voka Charter
Duurzaam
Ondernemen



Do's & don'ts

“Economische realiteit is dat het vooral overheden zijn die de circulaire totaal-dienstverlening inkopen. Corporates vinden het vaak te duur en te moeizaam. Anderzijds is er veel interesse voor de aankoop van tweedehands kantoormeubilair.

Wat met de nieuwe CSRD-regelgeving ? Erg onduidelijk nu.”

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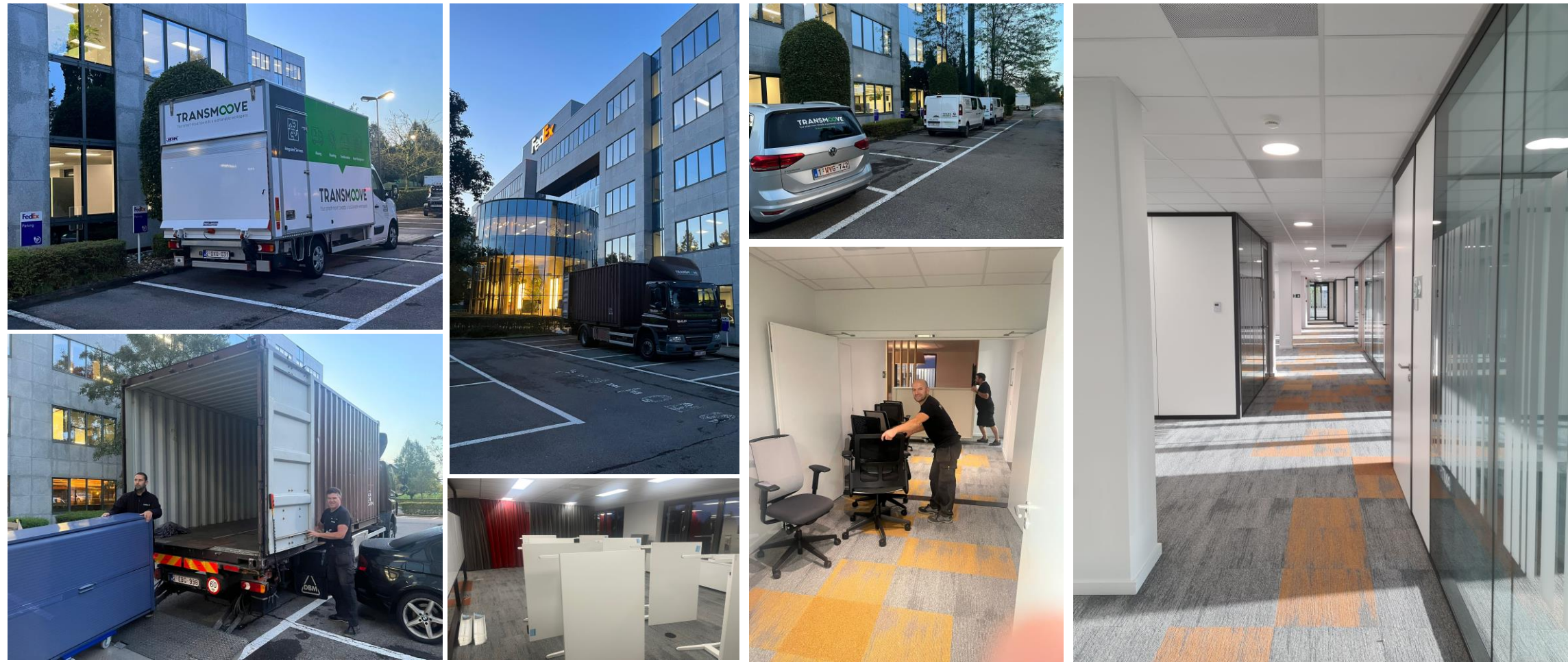
Ontdek meer op goedezakendoen.be



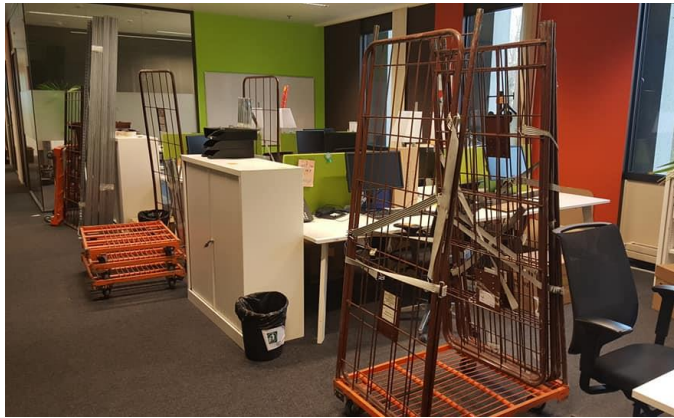
along the most important CRS and quality labels

REFERENCE PROJECTS

DELIVERY EXPRESS SERVICE



Removal & emptying the building in October 2023
19 trucks
2 teams by double shifts
14 intensive working hours bij 24 move men and guided by 2 foreman



REFERENCE PROJECTS

CITY OF BRUGES

In mid-2019, Nnof came into contact with a number of passionate people within the City of Bruges who were responsible for the new city offices. For the contemporary character with contemporary features that those offices had to radiate, whereby the spaces had to be used more efficiently. And preferably as sustainably as possible. Nnof got to work under the leadership of Head of Building Design Department, Leentje Gunst, and with the approval of Alderman for Energy and Environmental Policy, Minou Esquenet.

For various buildings where city employees were housed, consideration first had to be given to the most ideal work setting. What do people need? How do they want to work? How can teams work together better, etc.

In addition, an analysis also had to be made of how much furniture was needed, what was available, and to what extent we could limit the purchase of new material. These first measurement results came from this: 30% could simply be reused, 30% can be created via refurbishment, and only 30% will still be new. This results in a budget reduction of 30%.

The City of Bruges is building its offices of the future around a number of strong principles: The citizen is central, with a hybrid working environment as the new normal, where people work ergonomically, especially to meet each other. Alderman for Energy, Environmental Policy, Climate, Smart City and Facility Management, Minou Esquenet posts about this:

With our [#Klimaatplan2030](#), we want to turn the [Stad Brugge](#) into a circular city and set a good example. For the renovation of our office environments:

- we purchase as little new furniture as possible
- we give our existing furniture a second or third life
- together with Nnof we avoid 27,000 kg of CO2. This concerns the first completed project, Oostmeers 17.



Eco-certificaat

Besparing voor het project

Circulaire herinrichting
van de kantoorzone Oostmeers

BRUGGE

cfr. 190,209 km = 26.790 kg
vermeden CO₂

Vilvoorde, 21 december 2021

Nnof certificeert dat uit de resultaten van de LCA-tool versie 2.0 opgeemaakt door RDC Environment, blijkt dat de beslissing om circulair te gaan op het vlak van kantoor- en zitmeubilair, geleid heeft tot een sterk gereduceerde milieu-impact ... PROFICIAT!



BRUGGE

Stad geeft oude meubelen nieuw leven bij renovatie

BRUGGE

Brugge maakt werk van de renovatie van stadsebouwer Oostmeers 17. Voor het eerst kiest het stadsbestuur daarbij voor hergebruik van oude meubelen.

Refurbished of opgeknapt meubilair als alternatief voor nieuwe meubelstukken: ook Brugge doet eraan mee. Voor de renovatie van Oostmeers 17, het pand waar onder meer de dienst Ruimtelijke Ordening gevestigd is, kiest het stadsbestuur ervoor om zo veel mogelijk oude materialen te recupereren.

Voor het project ging de stad in zee met de gespecialiseerde firma NNOF. "Een aantal meubels kan in zijn geheel hergebruikt worden, bij andere waren aanpassingen nodig", licht Annie Lenaerts, directeur communicatie van NNOF, toe. "Zo hebben we werkbladen via een schraaptechniek helemaal opgefrist en in een nieuw onderstel voorzien." (RTB)

Ook kleinere CO2-uitstoot

"Op die manier wordt het kantoormeubilair geen afval, maar wel omgevormd tot grondstoffen voor nieuw meubilair", zegt schepen van Facilitair Beheer Minou Esquenet (CD&V). "Voor de nieuwe kantoren wordt zo slechts vijftien procent nieuw meubilair aangekocht. Ongeveer dertig procent wordt hergebruikt, de helft werd opgeknapt." De keuze voor hergebruik betekent een financiële besparing van vijftien procent. "Maar we besparen vooral op CO₂, ongeveer 27.000 kg om precies te zijn."

■ De keuze voor hergebruik betekent voor het stadsbestuur een financiële besparing van vijftien procent.

REFERENCE PROJECTS

DELOITTE@AIRPORT ZAVENTEM



Circular refurbishment of all executive meeting rooms of Deloitte Gateway :
14.000 kg CO₂ avoided = emissions of 98.000 km

Circular furniture solutions
via our Nnof-brand



Circular strategy, how to approach ?

Re-re-re-re-re, this is the melody of the strategy that Nnof proposes in most of her projects.
In this order the different RE's need to be applied :

- 1/ REFUSE
- 2/ REPAIR & MAINTAIN
- 3/ REDISTRIBUTE
- 4/ REFURBISH & REPURPOSE
- 5/ RECYCLE

BUILDING BLOCKS



ORIGINAL FURNITURE



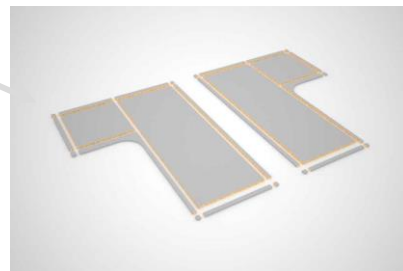
REFURBISH & REPURPOSE

Reupholstering your office chair Kinnarps 8774_plus, with new fabrics in the desired color that matches the general look & feel of the office furnishings

ca. 250kg
CO₂ is
avoided per
office chair

OFFICE CHAIRS





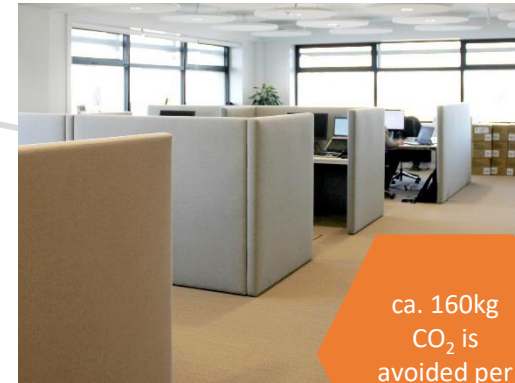
ca. 160kg
CO₂ wordt
vermeden
per
bureautafel

STRAIGHTEN THE BASES
RELAMINATE TABLE TOPS

REFURBISH & REPURPOSE

*Straighten en reduce the
bases in space.
Make them rectangular.
Relaminate table tops in the
finishing of choice.*



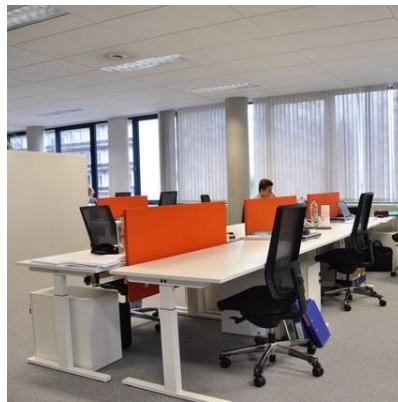


ca. 160kg
CO₂ is
avoided per
desk

REFURBISH & REPURPOSE

*Create focus work spaces by
adding extra acoustic
partitions.*

*Degrease and recolor the
metal bases to black or white.*





REFURBISH & REPURPOSE

Transform the individual desks to meeting tables



ca. 160kg
CO₂ is
avoided per
desk

DESKS BECOME
MEETING TABLES



REFURBISH & REPURPOSE

Table tops are transformed into new items such as lounges, poufs etc.



ca. 120kg
CO₂ is
avoided per
desk

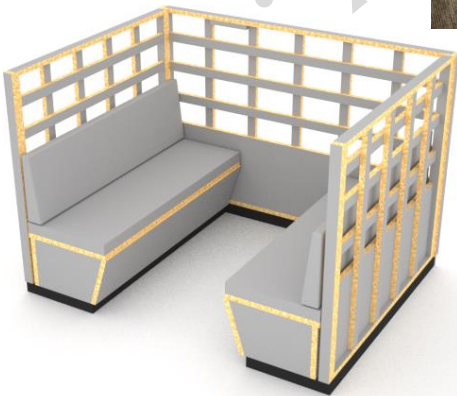
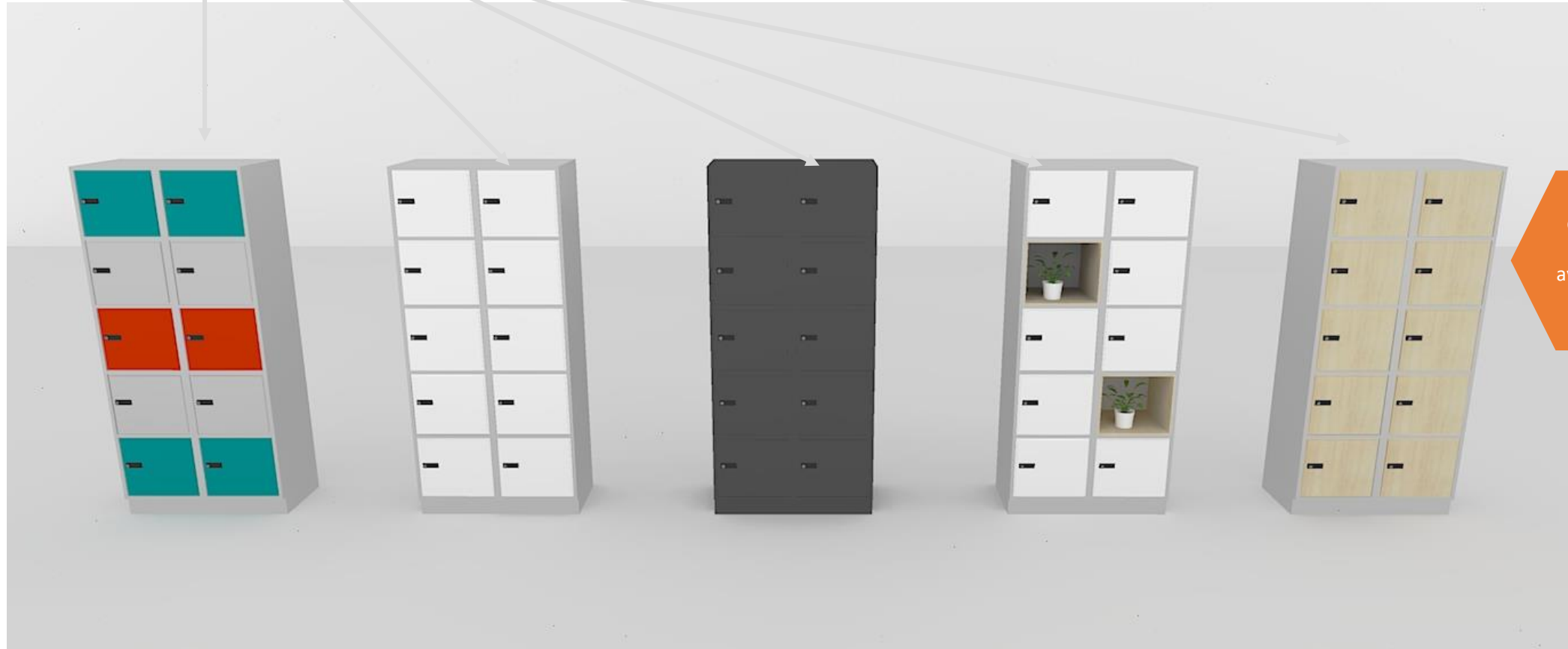


TABLE TOPS BECOME
NEW ITEMS



Drawer units can become locker walls



ca. 170kg
CO₂ is
avoided per
locker

DRAWER UNITS BECOME
LOCKERS

Drawer units can also become sitting blocks



ca. 120kg
CO₂ is
avoided per
locker

SITTING BLOCKS

Drawer units can also become removable lockers

Existing drawer units – that is the starting point of this story. A lot of material whose production at the time required a lot of environmental impact. (Probable average purchase price at the time: about 500 euros/piece.) What is the evolution in shared office environments? Personal drawer units are no longer useful because they are perceived as belonging to a desk, while we have to share our desk and everything that goes with it... And so drawer units end up in the trash bin and space has to be made for entire locker walls, for personal use. Centrally located in the area, in a fixed location. The key question is: can drawer units become lockers? The answer is a resounding “YES!”

And this provides many advantages:

- As a space planner, you should not provide additional space or wide corridors to place lockers. The current space occupied by drawer stands is available. In terms of legroom, there is anyway enough space left (nothing will change that).
- It is much cheaper: the transformation only costs 125 to 150 euros per locker. (While a new locker today costs at least double: about 250 euros each.)
- There are also no landfill costs, because the material remains alive.
- A significant saved environmental impact is achieved as no new locker wall combinations need to be created. Only the wooden fronts (made from recovered fiber boards with a new finish) are added and attached to the iron fronts. Plus locks with 2 keys, and a master key, 2 pulls and 2 nameplates.
- You double the current capacity of personal lockers. Because each drawer unit becomes 2 lockers.

Drawer units are on wheels, so they can easily be taken to the desk where the employee will be sitting that day. (It is true that the 2nd person also has to take out his things there, but based on a nameplate and since everyone no longer comes to the office every day, this cannot be too much of a problem.)

In the images below you can see how Transmoove/Nnof transforms iron drawer blocks with 3 drawers into blocks with 2 drawers, creating personal lockers for every employee. Each drawer block thus doubles the current cabinet stock.



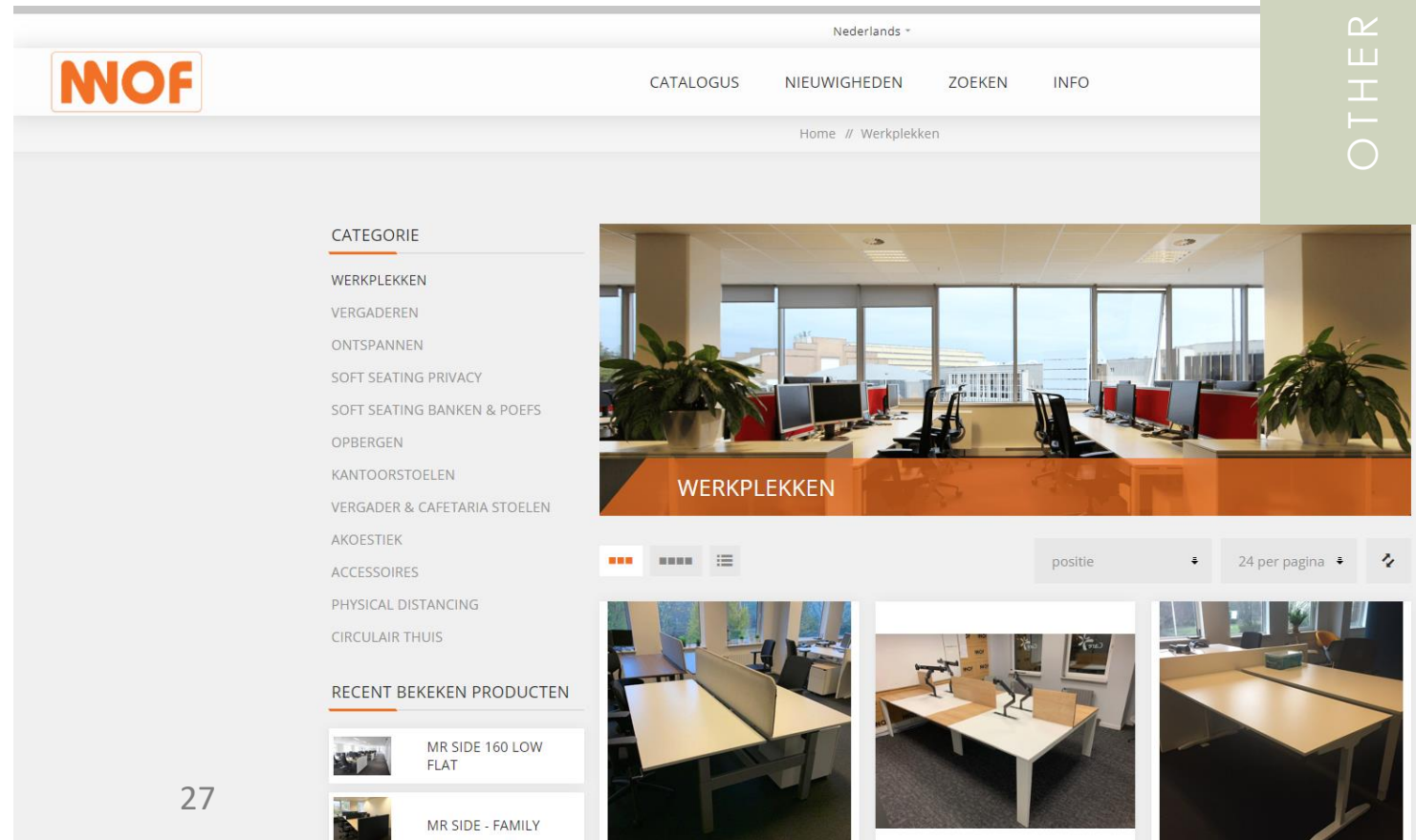
ca. 170kg
CO₂ is
avoided per
locker

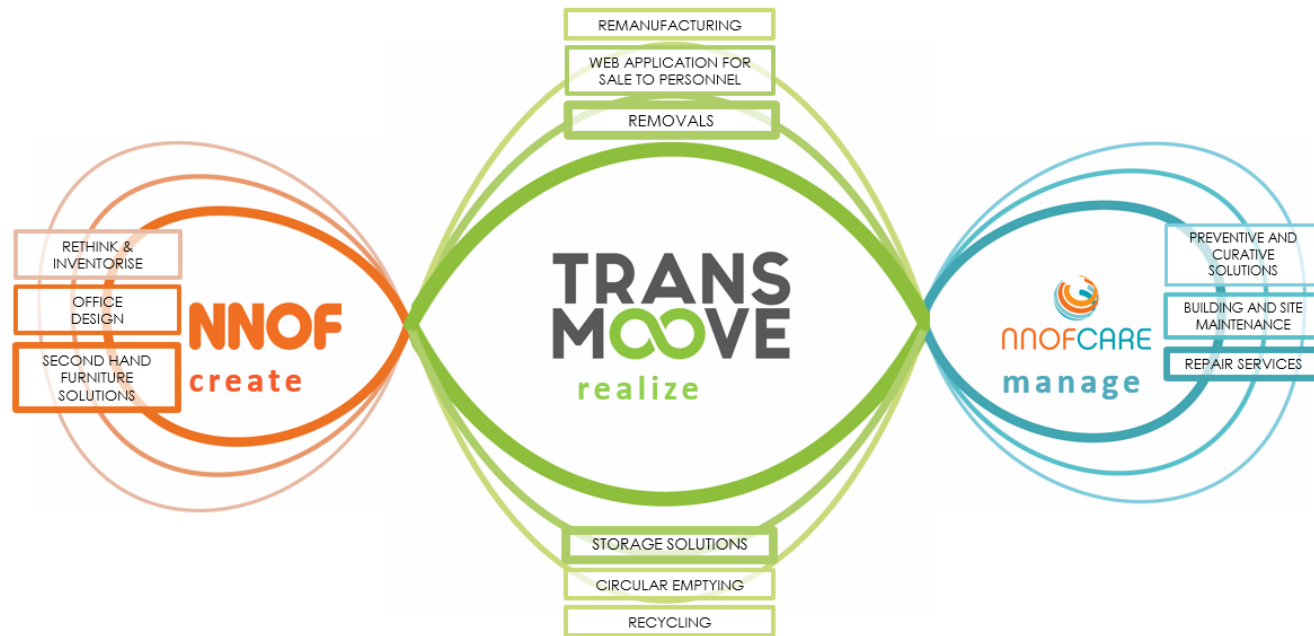
Within the **REPURPOSE** section, the focus here is mainly on passing on/donating to other channels.
Or in the case of National Bank of Belgium to organise a central webshop where other users can order second-hand furniture, instead of buying new office furniture.

- Humanitarian projects such as the installation of emergency villages for war refugees, or emergency provision in the context of an environmental disaster
- Online sales to own staff or other tenants by reduced pricing
- Online action on social networks specific for schools, NGOs or youth associations
- Thrift stores
- Sales through buyers

In this way, and based on its extensive experience in using and processing end-of-life office furniture and materials, Nnof/Transmoove guarantees that it can reuse 90 to 95% of the current material via the sales markets described above. And so only 5 to 10% remains without a new destination.

This material is ready for final RE being **RECYCLE**.





This circular approach can lower the ecological impact for most of the office furniture by 60 to 80%



LESS WASTE, MORE VALUE



STORAGE SOLUTIONS
CIRCULAR EMPTYING
RECYCLING

This circular approach can lower the ecological impact for most of the office furniture by 60 to 80%

