

Behind the scenes

Interior design and realisation Studio School

Anselien School is a biophilic interior designer. Biophilia means that we humans have an innate love for nature. By making this connection with nature we not only feel better, we function better too. 'Interior as an oasis' from Studioschool.nl

Execution of major maintenance by VOF collective 'De Spoorbuurt'

All the housing in the Spoorbuurt will have energy label B once the major maintenance is completed. Maintenance activities, including extra painting and installation work, are being carried out by employees from three Nijmegen based companies: the Klok Group, Hagemans Vastgoed and van Schaik contracting.

About the model home

The house is located in Nijmegen-Oost, one of the most popular neighborhoods in Nijmegen, where 500 properties are being converted in order to make them more energy efficient. After a year the housing corporation De Gemeenschap will put the model home back on the rental market, making it once again available to Nijmegen residents entitled to social housing. The housing corporation, together with the more than 20 participating suppliers, wants to demonstrate how the reuse of raw materials and products can lead to beautiful and surprising designs. Additionally, the model home is the fossil fuel free home in the Spoorbuurt. Servaas van Elteren from Architectenbureau van Elteren worked with us free of charge. He took care of the last technical details.

Nijmegen Green Capital

Nijmegen was not chosen by chance but on account of the city recently being declared Sustainable Capital of Europe 2018, and that's why a group of residents initiated the Green Capital Challenges Foundation. In this they hope to bring sustainability to the attention of the residents of Nijmegen. This model home is part of the Challenge Circular Economy. <https://greencapital2018.nl/>

Led by forerunner Yvonne Keijzers

In the past year an inspiring team of volunteers has worked with the utmost dedication in making this model home an example of how one can play a part in the circular economy. The address is Diepenbrockstraat 22 in Nijmegen.

With thanks to the team: Swinda Pfau, Dylan van Dijk, Anouk Bakx, Minou Danel, Jan van Delft, Hugo van der Kallen, Gerry Lange, Jeroen Langendam and all the other volunteers. greencapitalchallenges.nl



Model home for the Circular Economy

Beautiful furnishing with recycled raw materials and products!



greencapitalchallenges.nl

Model home Circular Economy

A circular economy is a sustainable alternative to our current economic system. At the moment our economy is built up linearly: we make products from non-renewable raw materials, use them and throw them away. We use a lot of materials and we produce a lot of waste. The Netherlands annually uses 3,5 times more raw materials than the planet can produce. If everyone would live the way we do we would need 3,5 planets! The world's population is growing too, which also means more people who need food and want to consume. Meanwhile we are creating waste mountains in the oceans and we are producing CO2 emissions which are contributing to climate change. This is not sustainable! We must therefore change our way of thinking.

In the circular economy we use less raw materials and we produce less waste. We do this by using renewable, bio-based raw materials. Our products have a longer life span and are repaired whenever possible instead of replaced. We also use fewer new raw materials through recycling or by leasing products instead of buying them. The products or parts are subsequently repeatedly used.

It may sound like something for the future, but our model home for circular economy shows that circular products already exist, today.

Because there is already a lot we can do!





- 01 Floor lamp
- 04 Sofa and pouffe
- 09 Patchwork wallpaper and cushions
- 13 Moss frames
- 15 Carpet tiles
- 17 Plants
- 19 Side tables
- 25 Front cushions



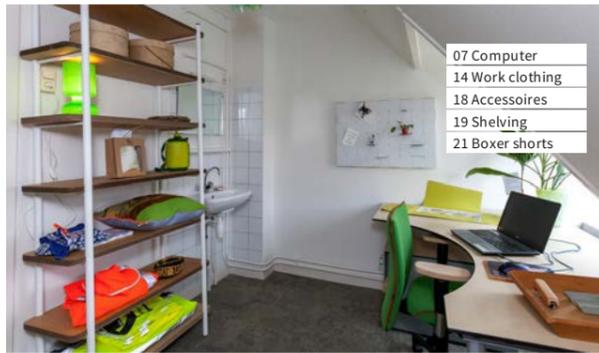
- 01 Chairs and vase
- 03 Felt wallpaper
- 05 Wall lamp and hanging lamp
- 18 Table from second hand shop Het Goed
- 20 Armchair
- 22 Washing machine (in utility room)



- 05 Wall lamp
- 11 Bedding
- 18 Accessoires



- 04 Chair
- 08 Notice board
- 10 Swivel chair
- 15 Floor tiles
- 24 Bureau



- 07 Computer
- 14 Work clothing
- 18 Accessoires
- 19 Shelving
- 21 Boxer shorts



- 02 Shelving unit and shelves
- 06 Kitchen unit
- 12 Kitchen worktop
- 16 Materials leftover cupboards
- 18 Household goods and furniture
- 23 Coffee machine



- 01 Plant pot
- 08 Hanging lamp
- 11 Bedding
- 17 Plants
- 24 Bench



- 02 Kitchen shelves
- 18 Household goods



01. Circulair chairs, lamp, vase and flowerpot from TRIBOO

Have you ever sat on an old fridge? TRIBOO is a circular supply chain that makes beautiful top quality products from waste, using various upcycling techniques. Thanks to innovative techniques such as robotic 3d printing and innovative extrudes, we can create beautiful shapes and products from 'worthless' waste. triboo.nl

02. Old oak kitchen shelves and shelf cabinets by Drakennest

Drakennest buys old oak components from stock remains and uses these, sometimes combined with old marble or other materials, in their wooden furniture. The furniture is made in close collaboration with the client. drakennest.nu
Drakennest74@gmail.com

03. Felt Wallpaper by i-did

I-did makes wallpaper from discarded industrial clothing, in this case old army uniforms (80%). Other products usually consist of non-re-usable clothing and textiles which have been discarded by consumers and companies. They are made by people with special needs. i-did.nl info@i-did.nl

04. Sofa, chair, ottoman and stool by Ikea

The bench's filling is made from recycled beverage bottles and the chair is made of recycled plastic (55%) and wood (30%). For the Alseda stool the dry parts of the banana plant are cut into narrow strips after harvesting and then braided into furniture. The Masterby stool is made of 100% recycled PP plastic. ikea.com

05. Lamps by Circulicht

A hanging lamp and two wall lamps made from hand-made paper using fibres from discarded textiles. Circulicht strengthens the lamps with wheat starch making them fire-resistant with an environmentally-friendly fire retardant. The (wall) holders for the fitting are made from sustainable wood. All materials are also biodegradable and renewable. lucia@circulicht.nl, circulicht.nl

06. Blue kitchen cabinets by Keller

Keller Kitchens is the first and only kitchen supplier to have developed a circular kitchen. When a new Keller kitchen is delivered, the old one is taken back for dismantling. The materials are then processed into semi-finished products which are brought back into the production process. The built-in kitchen equipment was supplied by Bosch. kellerkeukens.nl

07. Computer equipment from Recover-eshop.nl

Consumers can take out a subscription at recover-eshop.nl in order to lease previously used computers with new hardware components. This extends the lifespan of the equipment and offers the user affordable ICT. Recover-eshop.nl works together with Stichting Leergeld to make computers accessible to children from poorer families. recover-eshop.nl

08. Wire lights and notice board by INK-styling

INK styling wants your waste! They love working with as few resources as possible and with discarded materials. The multi-functional notice board is made of used slats and old blinds. The lampshades are made with wire and old stripped lampshades. Old products with a new modern look. ink-styling.com

09. Patchwork wallpaper and cushions by No Waste decoration

The interior panels and cushions are made from faded wallpaper, old sample books and wall coverings rescued from the garbage. In addition to their own line of housing accessories, they also provide interior design advice and workshops. They have been nominated for the Circular Design Award 2018. nowaste-decoration.nl

10. Next Life Office Chair by Velto

The office chair is one of Velto's 'Next Life' office chairs. These are retailed until in disrepair and unusable, this way extending the lifespan of new office chairs. velto.nl

11. Bed is Auping Essential

The Auping Essential is the first 100% recyclable bed. The legs and the frame are made of 98% recycled aluminum and the Auping spiral bottom of 100% recyclable steel. The headboard is upholstered with a fabric called 'Points'. This fabric is made from 100% recycled yarn. auping.nl

12. Kitchen top by Sustainale

Sustainale introduced the world's first recyclable composite stone. The product is made from quartz and recycled PET, making the material 100% recyclable. No chemicals are used in the production process. The material is scratch-resistant, low-maintenance, shock-resistant and impact-resistant and has a long service life. Dekker Zevenhuizen processes it for kitchen counters. sustainable.com

13. Moss compositions by Metiez

A moss composition is a way of bringing nature into your home. The moss comes from Poland where it is harvested from specially designated forests where it is given time to grow back. The moss is mummified, making it supple, elastic, dust and dirt resistant and maintenance-free. It not only feels lifelike, it is also 100% natural. metiez.com/moswanden

14. Clothing by Dutch Awareness

The work clothing is made from 100% high-quality recyclable polyester. Dutch Awareness strives in making fully circular clothing, which means the raw materials must last for several production cycles or could be used for something else. This cuts back the use of raw materials and of CO2 emissions. dutchawareness.com

15. Carpeting by Interface

The yarn for the carpet tiles is made from, among other things, discarded fishing nets and reclaimed carpet yarn. In the factory in Scherpenzeel the yarns are produced and recycled using 100% renewable energy. It is possible to make both the yarn and the carpet-backing from recycled and bio-based materials. There was no glue used in the laying of the carpet, making it easy to reuse and recyclable. interface.com

16. Customized cabinets by Unilin panels

The cabinets are made of melamine-faced furniture panels from the Unilin Evola line. Unilin Fibre board panels are made of recycled wood (92%) which comes from, amongst other things, discarded cabinets and desktops. Unilin makes panels in 168 designs. unilinpanels.com

17. Second hand plants from Bleshyou

Is your plant too big or cumbersome for your home? Then bring it to Bleshyou; the shop that swaps and sells second-hand plants. Every plant comes with a story, helping the next owner to get to know and love your plant. For a small fee you can also swap your plant. bleshyou.nl

18. Furniture from second hand shop Het Goed

Het Goed excels in reusing household goods. Not only did Het Goed supply the furniture and trinkets, they also decorated the house giving it this cosy feeling. hetgoed.nl

19. Side tables and cabinet by Cartoni

Cartoni furniture is made of recycled cardboard (95%), based on the idea that sustainable products can be beautiful too. Cartoni only uses eco-friendly raw materials and the furniture is produced by people with special needs. cartonidesign.com and Circl.nl

20. Triennial Relax Armchair by Gispen

The Triennial Relax armchair is made of steel, wood, foam and fabric. The fabric comes from Kvadrat. Gispen has an agreement with the retailer to take back any materials that are no longer needed. Gispen uses the returned materials in other products. For the foam, various reuse possibilities are being tried out. gispen.com/nl/

21. Van Huly boxershorts

These boxershorts are made for 90% from old shirts and blouses. Van Huly strives to make better use of the tons of unsold textiles that are being destroyed. By reusing textiles Van Huly saves water, CO2, pesticides and fertilizer. Production takes place in Groningen using apprentices who can earn an MBO start qualification before moving on to another job. vanhulley.nl

22. Washing with Bundles

In the Netherlands we throw away more than 1 million washing machines, dryers and dishwashers every year. Bundles has started doing something about it. By choosing the right materials Miele has become a recycling forerunner. As they use cast iron as a balance weight instead of concrete, they can already reuse 85% of the washing machine. At Bundles customers take out a subscription for clean laundry. bundles.nl

23. Sustainable coffee from Peeze

For years Peeze has been working on making the coffee business more sustainable. One example of their efforts is their coffee capsules. These are made of PLA; a biodegradable plastic made from cellulose. The latest technique to be designed is the compostable packaging. All the coffee is certified and CO2 neutral. peeze.nl

24. Desk and bench by Desko

Desko's circular office furniture is made of used raw materials. Desko also contributes to society by employing people with special needs. The yellow bench is made of discarded baggage handling bins, which can be admired at Schiphol. desko.nl

25. Pillows from Reve Cushions

The cushions are made for 99% from discarded textiles. Only the zip and yarns are new. Reve Kussens makes cushions on commission, making each one unique. revekussens.nl