

Joint press release of the Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection (BMUV), the German Environment Agency (UBA) and the International Design Center Berlin (IDZ)

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14 projects are honoured with the German Ecodesign Award 2022

Award ceremony with Federal Environment Minister Lemke and UBA President Messner

14 winners receive the German Ecodesign Award, which once again honours a range of future-oriented solutions for a wide variety of challenges. These include smart designed lights, a seasonal calendar for green electricity, precast foundations for wind turbines, a deposit chair as well as progressive concepts for the transformation of the clothing industry and the data-based rewetting of peatlands.

Steffi Lemke MdB, Federal Environment Minister (BMUV): *"How good or harmful a product is for the environment is largely determined by its design. That is why the EU Commission's initiative for sustainable products is so important. In the group of EU member states, I am working to ensure that in the future only truly sustainable products that can be repaired or recycled, for example, enter the domestic market. For more than ten years now, the winning projects of the German Ecodesign Award have repeatedly demonstrated what sustainable products or services of the future can look like. The interplay between outstanding design and ecology is the unique selling point of the award. Environmentally friendly products and services are the key to sustainable consumption."*

Prof. Dr. Dirk Messner, President of the German Environment Agency (UBA): *„The award-winning projects demonstrate impressively what is possible in the field of ecodesign. For the future, we need more such bold ideas that question existing infrastructures and mindsets and offer intelligent solutions.“*

The following projects receive the German Ecodesign Award 2022:

Young Talent category

- **2harvest – OPV greenhouse foil** | Hélène Fontaine (Burg Giebichenstein University of Art and Design Halle, Saxony-Anhalt)

The durable and flexible 2harvest greenhouse film made of PET has integrated organic photovoltaic cells. This enables dual use of agricultural land, as energy and food can both be produced at the same time.

[2harvest – OPV-greenhouse foil \(bundespreis-ecodesign.de\)](https://www.bundespreis-ecodesign.de)

- **5 TONS** | Maren Klamser (Bauhaus-Universität Weimar, Thuringia)

5 TONS is a mineral and recyclable solid material made using brick dust from broken masonry and recycled aggregate from mineral construction waste. The material is the basis of a dry stacking system for masonry blocks.

[5 TONS \(bundespreis-ecodesign.de\)](https://www.bundespreis-ecodesign.de)

- **PeakPick** | Sascha Greilinger (Coburg University, Bavaria)

The PeakPick app is a seasonal calendar for green electricity. By shifting the activation of devices to a period with a high share of renewable power generation, the principle of load shifting is also applied in private households.

[PeakPick – \(bundespreis-ecodesign.de\)](https://www.bundespreis-ecodesign.de)

- **re:wet – peat:lab** | Milan Bergheim (weißensee academy of art berlin, Berlin)
re:wet is a service blueprint for the rewetting of peatlands. With peat:lab, farmers collect data such as terrain heights or water levels and store them in a digital twin. In this way, rewetting measures can be easily planned and coordinated.
[re:wet – peat:lab \(bundespreis-ecodesign.de\)](https://www.bundespreis-ecodesign.de/re:wet-peat:lab)

Concept category

- **Shared Factory** | ito ito GmbH (Headquarters: Bremen), one/one GbR (Headquarters: Bremen)
With Shared Factory, fashion labels and knitting mills become part of a digital on-demand design and production platform for knitwear. With the SaaS solution, designs can be digitised, freely modified, purchased and only then manufactured.
[Shared Factory \(bundespreis-ecodesign.de\)](https://www.bundespreis-ecodesign.de/shared-factory)

Service category

- **reverse.supply** | RS Recommerce Technologies GmbH (Headquarters: Berlin)
With its recommerce platform, reverse.supply offers an efficient solution for fashion retailers to set up or expand their own second-hand store and to deal with returns, overhangs or B-grade goods in a sustainable and economically sensible manner.
[reverse.supply \(bundespreis-ecodesign.de\)](https://www.bundespreis-ecodesign.de/reverse-supply)
- **REX** | Circuform B. V. (Headquarters: De Meern, Netherlands), Studio Ineke Hans (Headquarters: Arnhem, Netherlands)
As the first Dutch chair to use a deposit system, REX can be returned at any time to local Circuform collection points. Returned deposit chairs are checked and cleaned, repaired if necessary and resold – again with a deposit.
[REX \(bundespreis-ecodesign.de\)](https://www.bundespreis-ecodesign.de/rex)

Product categorie

- **AYNO luminaire range** | Midgard Licht GmbH (Headquarters: Hamburg), Diez Office (Headquarters: Munich, Bavaria)
Plug-in connections allow the LED and transformer to be replaced, making AYNO one of the first LED luminaires that can be repaired by customers without tools. Already manufactured from recycled materials, it can be easily separated into three recyclable primary materials.
[AYNO luminaire range \(bundespreis-ecodesign.de\)](https://www.bundespreis-ecodesign.de/ayno-luminaire-range)
- **HIIVE** | HIIVE UG (Headquarters: Teltow, Brandenburg)
HIIVE provides honeybees with a near-natural, species-appropriate home. The design replicates the microclimate of a tree cavity, the bees' natural habitat. The modular design ensures easy reparability.
[HIIVE \(bundespreis-ecodesign.de\)](https://www.bundespreis-ecodesign.de/hiive)
- **Bait protection box ToxProtect 1402** | ball-b GmbH & Co KG (Headquarters: Nuremberg, Bavaria)
With the ToxProtect bait protection box, the baits no longer come into contact with water, even during floods. This saves up to 98% of the toxic baits, equivalent to several hundreds of tonnes in Germany, and the hazardous substances no longer accumulate in the environment.
[Bait protection box ToxProtect 1402 \(bundespreis-ecodesign.de\)](https://www.bundespreis-ecodesign.de/bait-protection-box-toxprotect-1402)
- **Steelcase Flex Perch Stool** | Steelcase AG (Headquartes: Munich, Bavaria)
The Steelcase Flex Perch Stool is the world's first piece of furniture to be made with plastic from BASF's ChemCycling project. This technology creates a new type of raw material from a waste stream deriving from electronics production.
[Steelcase Flex Perch Stool \(bundespreis-ecodesign.de\)](https://www.bundespreis-ecodesign.de/steelcase-flex-perch-stool)

- **V-Locker Smart Bike Parking System** | V-Locker AG (Headquarters: Dübendorf, Switzerland), Meyer-Hayoz Design Engineering AG (Headquarters: Winterthur, Switzerland)

In the automated V-Locker Smart Bike Parking System, up to 60 bikes can be safely stored in single car parking space. Thanks to individual facade design, the modular towers blend into the urban environment. Operation via smartphone app is intuitive and straightforward.

[V-Locker Smart Bike Parking System \(bundespreis-ecodesign.de\)](https://www.bundespreis-ecodesign.de)

- **Wind turbines: precast foundation** | Smart & Green Mukran Concrete GmbH (Headquarters: Sassnitz, Mecklenburg-West Pomerania)

The prefabricated rib and ring elements together with anchor cage require up to 70% less concrete. Transport to the construction site is possible in around 40 standard trucks, and installation can be completed within one week.

[Wind turbines: precast foundation \(bundespreis-ecodesign.de\)](https://www.bundespreis-ecodesign.de)

- **X-Change Technology** | Molto Luce GmbH (Headquarters: Wels, Austria)

Molto Luce X-Change technology enables the straightforward replacement of an LED circuit board without the necessary replacement of the entire lighting fixture. The task is carried out by means of a bayonet connection and is entirely without tools.

[X-Change Technology \(bundespreis-ecodesign.de\)](https://www.bundespreis-ecodesign.de)

The Federal Ministry for the Environment and the German Environment Agency have been running the German Ecodesign Award together with the International Design Center Berlin every year since 2012. The competition honors outstanding work that is convincing from an environmental and design perspective in the four categories of product, service, concept and young talent. It is aimed at companies of all sizes and sectors as well as students.

Innovation, design quality and environmental characteristics are the main focus of the evaluation. Effects on everyday culture and consumer behavior are also considered. The entire product life cycle is taken into account, from the preliminary stages of production, through manufacturing, distribution and use, to the end of life.

The jury of the German Ecodesign Award 2022

- Werner Aisslinger (product designer)
- Paula Raché (communication designer) on behalf of Prof. em. Anna Berkenbusch (communication designer, professor emerita at Burg Giebichenstein University of Art and Design Halle)
- Andreas Detzel (environmental expert at ifeu in Heidelberg)
- Prof. Matthias Held (product designer, professor at HfG Schwäbisch Gmünd)
- Anja Mager (Head of the Department "Sustainable Consumption, Product-Related Environmental Protection" at the BMUV) on behalf of Dr. Bettina Hoffmann (Member of the German Bundestag, Parliamentary State Secretary at BMUV)
- Prof. em. Günter Horntrich (product designer, professor emeritus for design and ecology at KISD – Köln International School of Design)
- Dr. Bettina Rechenberg (Head of Department III „Sustainable Products and Production, Circular Economy“ at UBA)
- Prof. Nicole Schneider (designer, professor and institute's Vice-Director at the HGK in Basel) on behalf of Prof. Dr. Claudia Perren (architect, director of FHNW Academy of Art and Design in Basel)
- Prof. Friederike von Wedel-Parlow (fashion designer, founder of the Beneficial Design Institute)

Information about the competition

[bundespreis-ecodesign.de/](https://www.bundespreis-ecodesign.de/)

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