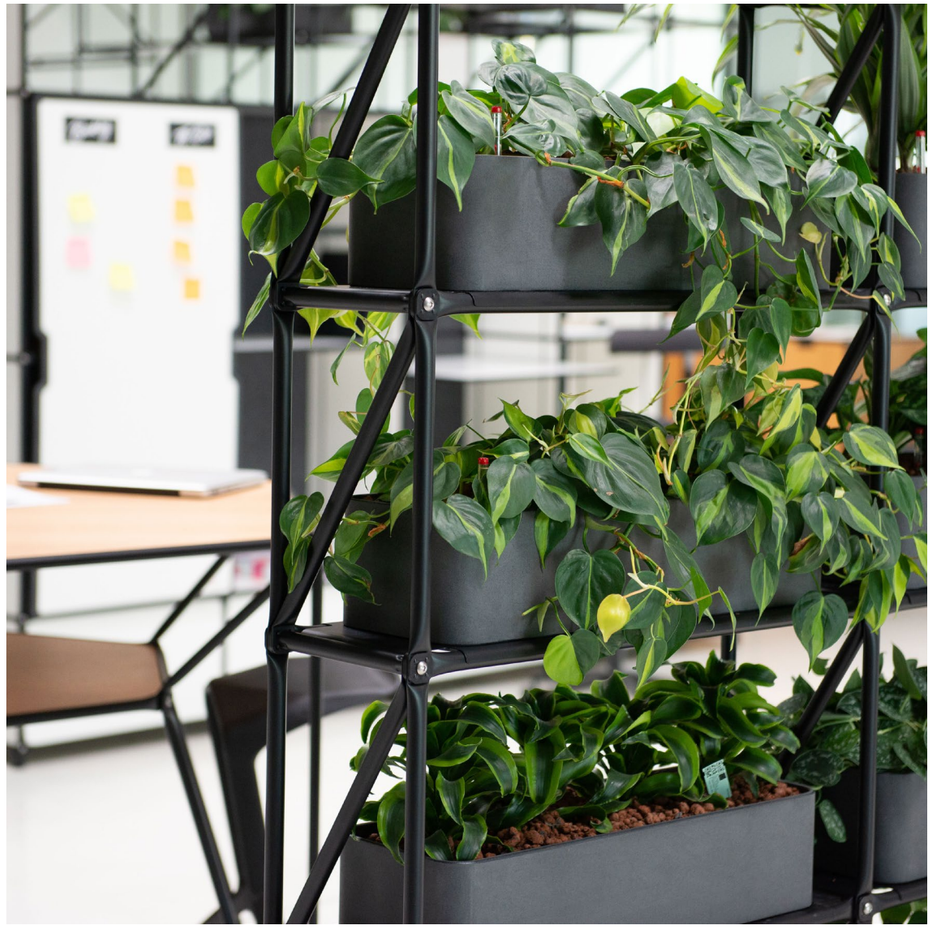
Environmental statement 2023

Period 2020–2022

SYSTEM 180



Foreword

Dear interested parties,

This report documents the environmental activities of System 180 GmbH 2020-2022 and includes the EMAS Environmental Statement. In various thematic chapters we want to show here – with our first environmental statement – how our company as a manufacturer of modular room solutions lives environmental and climate protection and how we try in our daily actions to meet economic, ecological and social goals in equal measure.

System 180 is committed to responsible future-oriented action for the benefit of people and the environment. Based on our own conviction, we go beyond the general requirements of environmental protection and occupational safety.

For us, it is about being better today than yesterday and better tomorrow than today.Sustainability is a central component of System 180's identity. Longevity and recyclability are deeply anchored in our products and our corporate ethics.

Your System 180 Team

"The modular approach of our building system allows a high degree of flexibility to the changing needs of users. The resulting longevity of our products is a decisive contribution to resource-saving and environmentally conscious action."

Manuel von Lübke, Product Manager

Company portrait

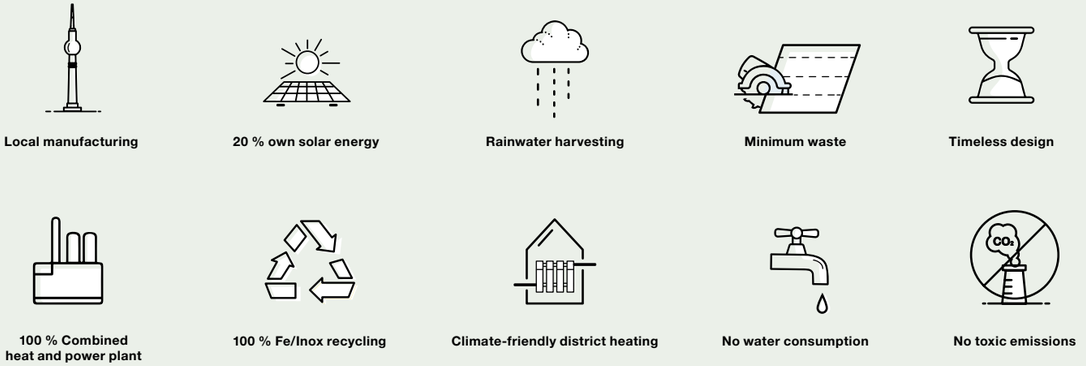
Founded in 1991 in Berlin Kreuzberg, System 180 today stands for individual, functional room solutions - Made in Berlin. We derive the quality of our work from a team of multi-skilled and motivated employees, a passion for sustainable and clear design, and a distinctive building system that can be used to create and furnish aesthetically pleasing spaces.

New Work is a pillar of our product range, but beyond that it is also our own way of working. Employees from all departments are holistically involved in decision-making processes and encouraged. At System 180, we are actively committed to inclusion and against discrimination.
We welcome diversity as an indispensable added value for our teamwork. We always welcome cooperation with non-profit organizations.

Our location

The urban development area "Berlin - Johannisthal/Adlershof" is an integrated science, business, residential and media location that is being developed according to an overall urban development concept.
The 420-hectare area is located in the southeast of Berlin in the middle of the Airport Region BER and the new investment corridor extending from Berlin Brandenburg Airport to the main train station. With 1,144 companies, the Humboldt University of Berlin and 10 non-university research institutions, the City of Science offers a density of innovative companies and institutions that is unique in Germany. The 420-hectare area is currently home to some 19,400 employees, plus approximately 6,330 students. Approximately 4,000 people now live here.

System 180 develops and manufactures 100% in Berlin Adlershof. Our site is supplied with green electricity and climate-friendly district heating. Solar energy generated in-house already covers 20% of our energy needs. A green roof area of 2,000 m² contributes to the improvement of the macroclimate. Precipitation on the property is drained into seepage pits and fed directly to groundwater recharge. We continuously optimize the resource efficiency of our manufacturing processes and pay attention to sustainable material ecology and recycling. Offcuts are minimized and steel waste is recycled completely without loss. Only energy, but no water, is used in the resource-conserving production of system pipes.
In these processes we emit only noise, but no air pollution. Our logistics are handled by regional service providers using recyclable packaging, which is itself recycled material. Thanks to our local manufacturing, we support local jobs. In cooperative collaboration, we live a mission-oriented and transparent corporate culture. We place the issue of sustainability at all levels and in all areas.



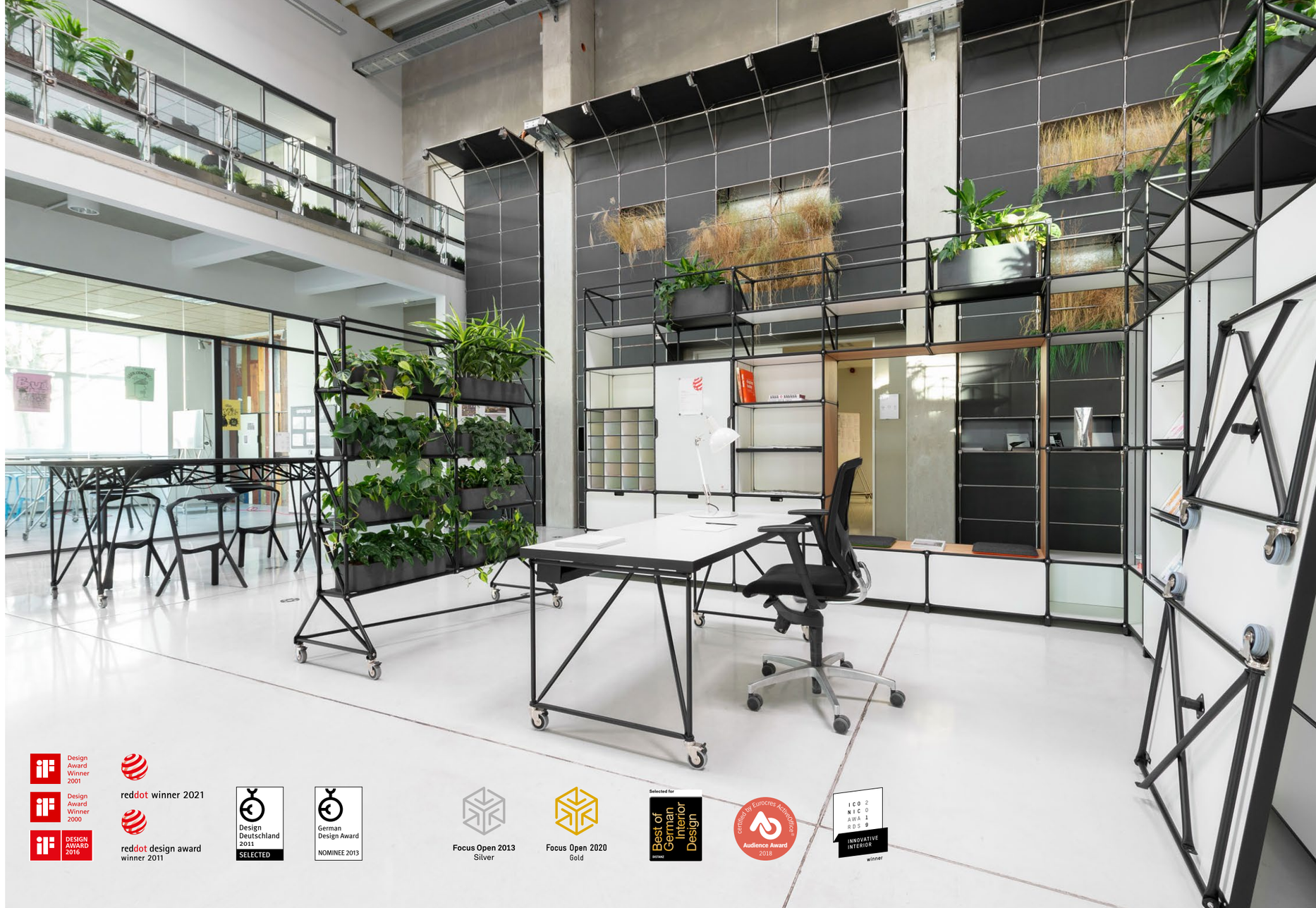
Product

System 180 develops and produces furniture for modern working and living environments. In close exchange with our customers, we realise individual design solutions that foreground and promote the culture of cooperation.

Good design shows the technical function and supports it.
What System 180 stands for is honesty: Design grows out of function, out of raw material, out of technology, out of ergonomics. And the product shows what it is. At its core, System 180 is based on a completely independent and multi-optional connection principle.

Agility and eco-design form a sustainable synergy in our furniture.
As an enabler of New Work, the System 180 portfolio promotes innovative forms of work for the future. Thanks to agile features, our configurations offer maximum flexibility for dynamic growth through expandable functionality. Modularity enables individual, situational adaptations.
All modules of our modular furniture system can be easily exchanged and converted. The key to the future viability and value retention of our products is durable design, time-resistant aesthetics, the use of high-quality materials such as extremely robust stainless steel, and the anticipation of diverse usage scenarios. We strive for user-centred and long-term solutions, in line with the principle of design thinking.
Sustainable service packages support an extension of the active usage period in terms of the circular economy. Among other things, System 180 offers individual upgrades and develops offers for subsequent use through refurbishment and remanufacturing.

Numerous renowned design awards recognise our standards of form and function.



The future of modularity

The modular approach and the ability to dismantle the individual parts offer a high degree of flexibility in adapting to changing spatial and functional requirements and enable good reparability and reusability.

In combination with the clear, functional and timeless design, a long service life of the System 180 furniture is guaranteed.
The dimensions of the components are based on a grid of 180 millimetres. This means that the geometry of the furniture can be determined according to functional needs and spatial conditions.

The standardisation of the components means that surplus components can be used elsewhere and newly required components can be easily added. Damaged components can be repaired or refurbished in the factory. Due to the high stability of the basic structure, furniture castors can also be added later, for example to transform fixed shelving units into mobile room dividers.

Innovation and research

We see open innovation through knowledge exchange as an essential contribution to shaping a sustainable future. Findings from collaborations and the lively exchange through networking are continuously incorporated into our improvement processes. Our tried-and-tested Design Thinking Line® furniture series, for example, is the result of a close partnership with the Hasso Plattner Institute and stands for agility and sustainability.

In intensive research work, we devote ourselves specifically to sustainability issues. sustainability issues. The marketability of bio-based material innovations and substitutes for many years through our participation in various research consortia, including with partners such as the Fraunhofer Institute, TU Berlin, HNE Eberswalde and UdK Berlin.

Under the leadership of the Fraunhofer IAP and accompanied by the HNE Eberswalde, System 180 is currently involved in the joint research project ReSpan as an application partner. The aim of the project is to develop a recycling process for wood-based materials. This would enable us to introduce another product line made of recycled material as an alternative to the MDF material used.

Currently, System 180 is also involved in the PERMA project, funded by the German Federal Ministry of Education and Research. The aim is to develop an open, digital platform for the circular economy in the furniture and furnishings industry. New types of product life cycles and cross-manufacturer compatibility guidelines enable sustainable and flexible reuse and continued use of products in a value-preserving way. By developing innovative business models, a platform for re-use, up-, down- and recycling is created. In this context, we also cooperated with the international research project CIRCit of the DTU.

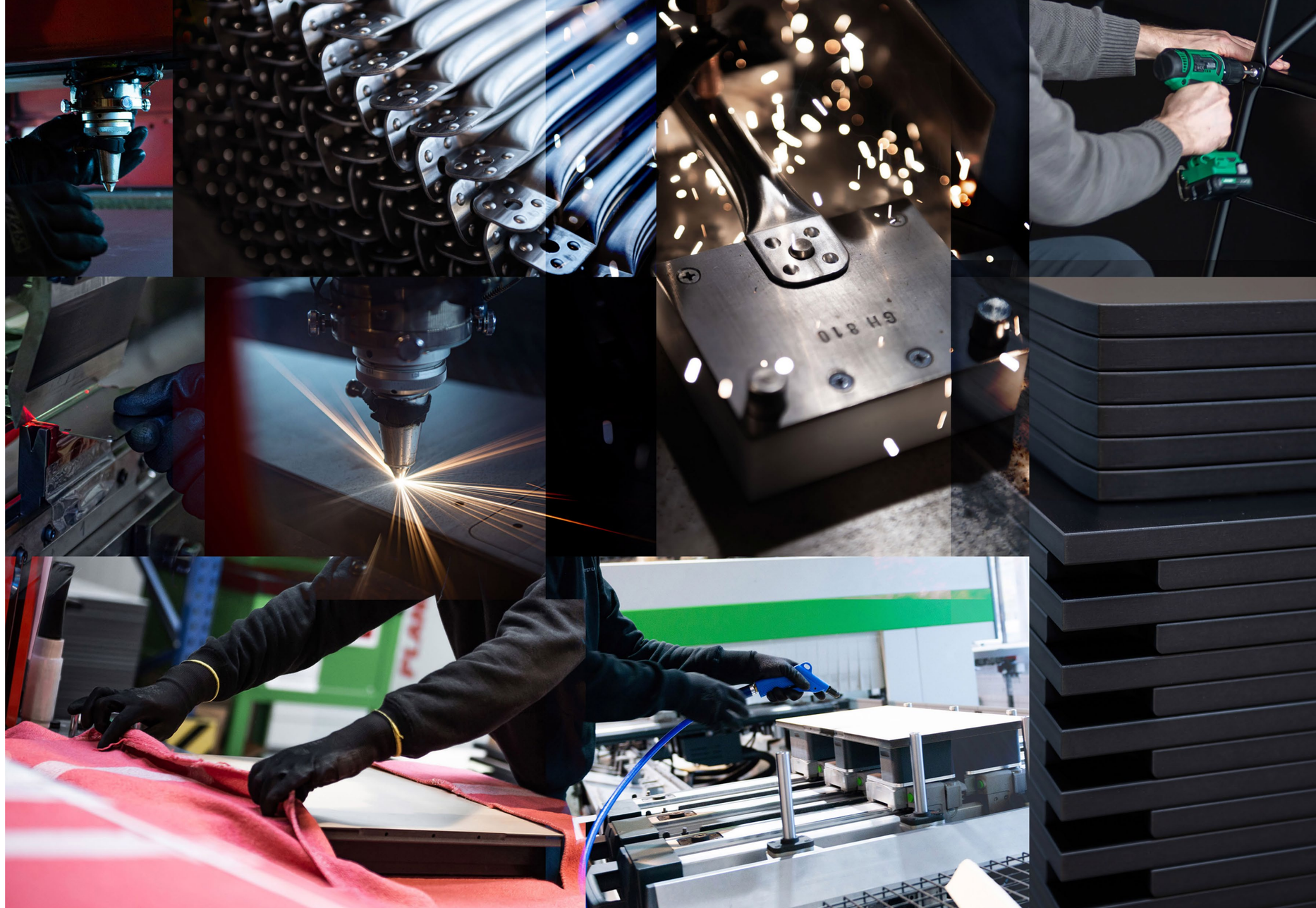
Manufacturing

Steel
The typical cold-formed system pipe is produced from ø 20 mm stainless steel pipes manufactured in Italy using hydraulic presses.
The leftovers from the cutting of the pipe are collected directly and collected directly and recycled. The so-called nut bar is only produced by pressing specially manufactured sleeves.

Small parts
All small parts that are not in the standard range of individual manufacturers are produced according to customer requirements in sheet metal production or supplied by regional partners.

Wood materials
High-quality MDF boards are cut to optimise waste and milled into system floors. The resulting wood dust is extracted and thermally utilised in the production of new boards. With the help of thermo-milling units, we can dispense with the use of glue-laminating for our high-quality fronts. The coloured MDF is only compressed and smoothed by heat and pressure.

Production process
No process water is required in the production process of the System 180, and the use of hazardous substances and water pollutants is minimal. No substances are released into the ambient air. During the production of System 180 furniture, noise is generated only at certain points (85 dB).



Environmental policy

Out of a responsibility to leave a liveable environment for future generations, System 180 is committed to continuous improvement in environmental protection beyond compliance with legal regulations. We avoid environmental pollution. To ensure this, we will continuously improve our environmental management system. Social, ecological and economic concerns are to be taken into account at System 180. We are committed to the global goals for sustainable development set out in the United Nations' Agenda 2030, the European Green Deal and the German government's sustainability strategy.

Berlin 04/30/2023, Andreas Stadler
Management

The most important issues for us are

Location
We will maintain our activities around the climate neutrality of our location and further expand towards climate positivity. In the long term, we want to become climate-neutral at the site without external compensation.

The seepage pits we have installed ensure that rainwater does not end up in the sewage system, but seeps away on our property and can be used directly for groundwater recharge. We will ensure that they are maintained and cared for in the long term.

We will increase the biodiversity on our green spaces and protect them against drought and warming.

Resource-saving production
System 180 manufactures 100% of its products in Berlin Adlershof. We prefer to commission suppliers in the regional area. We will continue to optimise the use of energy and resources in order to reduce our environmental impact. Materials, raw and auxiliary materials and capital goods are evaluated and used according to their environmental friendliness, quality and costs.

Product
When manufacturing and improving products, we focus on the environment as well as on the expectations of our customers and partners. We ensure the durability, modularity, repairability and reusability of our products in the long term. We strive for complete recyclability.

Corporate culture
The basis for respectful interaction with each other was laid down by the System 180 team in the mission statement. A working group consisting of participants from all areas and levels is concerned with improving the corporate culture. Environmentally conscious thinking is to be promoted through information and training, and appropriate action is to be demanded of managers. This policy is made transparent to the System 180 team, customers and partners. It serves as the basis for the annual corporate goals, the achievement of which is the responsibility of the management level.

Environmental management system

We have described all processes and regulations for our EMS in a management manual. We check the effectiveness through internal audits and in a management review.

To maintain and continuously improve our environmental management system, we have created the following responsibilities:

The management
is responsible for the effectiveness of environmental management.

The management team
Responsible for the implementation and improvement of the environmental management system.

The management representative
Coordinates and documents environmental management.

The occupational safety specialist
Supports System 180 in all legal matters relating to occupational safety and its implementation in the company.

The company doctor
supports System 180 in all health-related issues and conducts examinations.

Safety representatives
support the company in all matters relating to occupational safety.

Fire protection officers
take care of preventive fire protection.

Fire protection assistants
ensure that all colleagues leave the building in the event of a fire.

First-aiders
are colleagues who provide assistance in the event of accidents and sudden illnesses.

The environmental team
meets to promote environmental protection and sustainability at sustainability at System 180. It ensures that environmental concerns are taken into account in everyday work and tries to change the way colleagues think and act through small actions.

The company culture committee
is a cross-disciplinary and cross-functional committee of employees in our company that contributes to the creation and maintenance of a positive and supportive working environment and culture.

Environmental aspects

Description Environmental aspects

Energy
Due to the volume of our production halls, the basic energy requirement for light and heat is comparatively high.
We generate part of our electricity consumption ourselves with a photovoltaic system. Accordingly, energy consumption in relation to turnover decreases as turnover increases. Machinery and equipment are state of the art. We are not planning any changes or purchases at the moment. An energy consultation in 2022 could not suggest any further meaningful improvements. We have gradually introduced lower-energy consumers (LED) for the lighting in the halls and expect corresponding savings.
In the winter of 2022/23, the large warehouse was switched to cold operation at 12° C, which we hope will lead to further reductions in energy use. In addition, two trainees are taking part in the IHK's "Energy Scouts" programme and are supporting us in the area of energy efficiency and sustainability.

Water/waste water
As before, no water is used in the production process of System 180, so the amount of water consumed is fairly constant and no waste water is discharged except for sanitation. Due to increased work from home and more rainfall than in the summer of 2020, water consumption has decreased somewhat. The purchase of a drinking water dispenser is not a factor in water consumption.

Waste/Residuals
The quantities of waste and residual materials are constant depending on turnover. During the period under review, there were no unusual occurrences or changes in disposal companies. We consistently reuse cardboard packaging. Cardboard from our suppliers that we cannot use ourselves is passed on to an online mail order company, which will reduce the amount of cardboard disposed of in 2023.

Material consumption
Material consumption is also constant depending on turnover. In terms of packaging materials, we check annually whether and which plastics we can replace. For example, in the last three years we have been able to replace small shipping cartons with cartons made of grass paper. PLA packing tape now replaces the previously used PVC tape. We have been able to reduce our paper consumption and have switched to 100% recycled paper.

Emissions
Emissions of climate-damaging gases only occur during the production of electricity and district heating from the nearby block power station. However, according to the operator, it plans to significantly reduce the share of fossil fuels (30% natural gas, 9% coal) by commissioning river water heat pumps in April 2023.

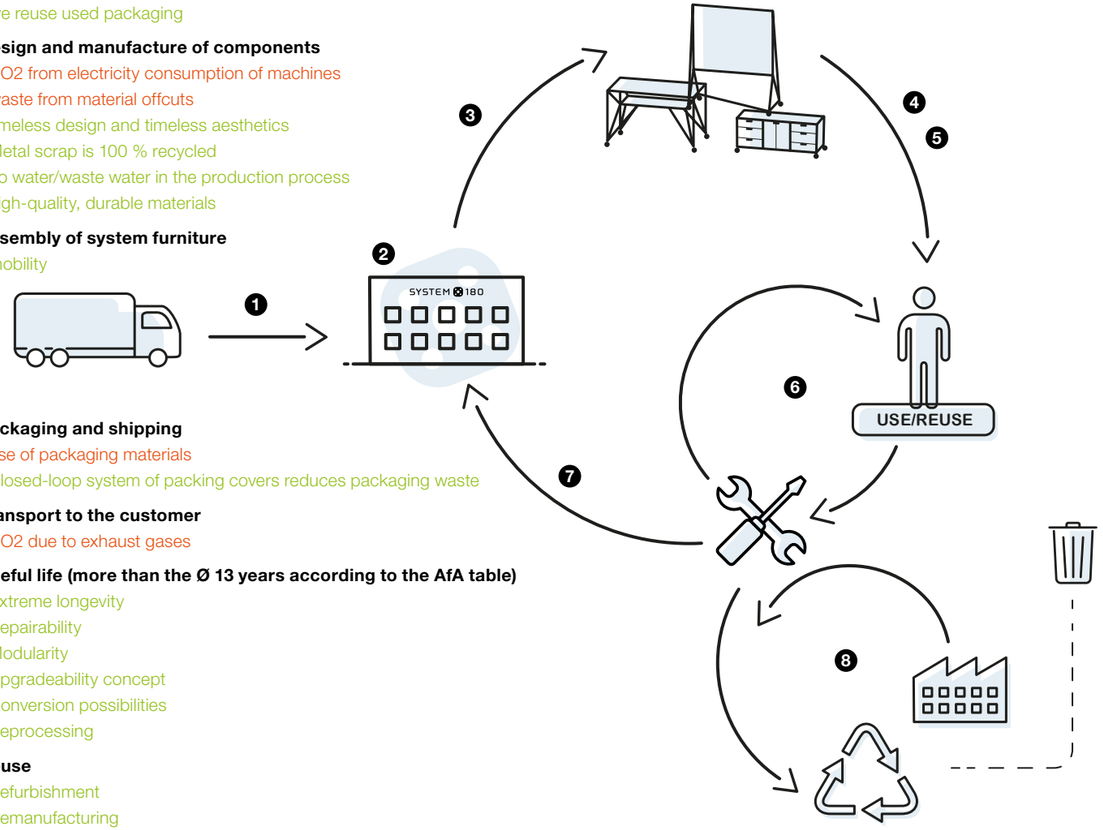
Biodiversity
The biodiversity at our site is very high. Through targeted we try to preserve and promote it. The meadow areas that are not on the roadside are mown a maximum of twice a year, so that all flowering plants and grasses can develop optimally and the soil moisture is protected.
The observation of many insect and bird species confirms this. After the extremely dry summer of 2020, we have installed irrigation systems.

We present the environmental aspects along the life cycle in the diagram on page 19 and assess their relevance and our potential for influence on page 20.

1 Transport of raw materials
- CO2 from exhaust gases
- waste from packaging material
- we reuse used packaging

2 Design and manufacture of components
- CO2 from electricity consumption of machines
- waste from material offcuts
- timeless design and timeless aesthetics
- Metal scrap is 100 % recycled
- no water/waste water in the production process
- high-quality, durable materials

3 Assembly of system furniture
- mobility



4 Packaging and shipping
- use of packaging materials
- Closed-loop system of packing covers reduces packaging waste

5 Transport to the customer
- CO2 due to exhaust gases

6 Useful life (more than the Ø 13 years according to the AfA table)
- Extreme longevity
- Repairability
- Modularity
- Upgradeability concept
- Conversion possibilities
- Reprocessing

7 Reuse
- Refurbishment
- Remanufacturing

8 End of life
- Waste
- sorted dismantling
- Metal scrap is 100% recycled

Assessment of the environmental aspects

Environmental aspect	Environmental impact	Environmental relevance in the company	Possibilities of influence
Energy			
Manufacture of components from metal + wood materials	· CO2 emissions due to electricity consumption of the machines	B	II
Building heating	· CO2 emissions from district heating production	B	II
Water/Sewage			
Sanitary facilities and kitchens	· Employees consume water	C	III
Waste/Residuals			
Transport of raw materials needed for manufacturing	· Waste packaging materials	B	II
Production of modular furniture	· Enables repair and replacement of components, saves disposal of the furniture as bulky waste	A	II
Use of materials			
Manufacture of components from metal + wood materials	· Waste from material cuttings	B	II
Verpackung und Montage	· Use of plastic packaging films	B	III
Production of modular furniture from high-quality materials	· Produces an exceptionally long service life	A	II
Emissions			
Transport of raw materials needed for manufacturing	· CO2 emissions from exhaust gases	B	II
Manufacture of components from wood (MDF)	· Wood dust is produced during milling	B	III
Transport of furniture to the customer	· CO2 emissions from exhaust gases	B	II
Biodiversity/land use			
Use of buildings for manufacturing	· Natural surfaces are sealed as a result	C	III

We work with the following assessment criteria to evaluate the environmental aspects:

Environmental relevance in the company

A = high environmental relevance, high environmental impact, great need for action

B = medium environmental relevance, medium environmental impact, medium need for action

C = low environmental relevance, low environmental impact, low need for action

Possibility of influencing the business

I Relatively large control potential available in the short term

II The environmental aspect can be controlled in the long term, but only in the medium to long term.

III There is no control potential for this environmental aspect, or only in the very long term, or only depending on decisions by third parties.

This scheme was first introduced by the Federal Environment Agency. Our environmental aspects were also assessed systematically and in more detail than here according to this system.

Summary assessment

The direct environmental impacts of our activities are comparatively low. This is also because we have been working on improving our environmental impact for a long time. We see potential for improvement above all in the area of energy and the associated CO2 emissions. We will work on this in a targeted manner.
The greatest indirect environmental aspect lies in our product and its properties themselves. We already fulfil the future requirements for sustainable products today. The use of high-quality materials and the extremely stable construction result in an extremely long service life for office furniture and at least a second service life. The modularity allows for repairs, extensions and conversions.

We will work on a take-back system that will enable components to be returned to the product life cycle at the end of their useful life.

Absolute consumption data

	2020	2021	Change 2020	2022	Change 2020
Absolute consumption					
Energy					
Power	191.328 Kwh	211.169 Kwh	10,37 %	180.240 Kwh	-5,80 %
Fernwärme	188.380 Kwh	211.810 Kwh	12,44 %	173.390 Kwh	-7,96 %
Diesel (10.4 Kwh/l)	78.530 Kwh	91.977 Kwh	17,12 %	99.902 Kwh	27,22 %
Total direct energy consumption	458.238 Kwh	474.955 Kwh	3,65 %	412.469 Kwh	-9,99 %
Total heat consumption weather-adjusted	224.170 Kwh	222.400 Kwh	-0,79 %	201.130 Kwh	-10,28 %
Total renewable energy consumption	241.487 Kwh	276.556 Kwh	14,52 %	222.972 Kwh	-7,67 %
Total renewable energy generation	60.941 Kwh	61.523 Kwh	0,96 %	66.164 Kwh	8,57 %
Material					
Steel tube	26.193 kg	68.962 kg	163,28 %	48.253 kg	84,22 %
MDF	229.896 kg	330.546 kg	43,78 %	291.802 kg	26,93 %
Polyester flow	610 kg	1.263 kg	107,05 %	1.797 kg	194,59 %
Packaging material					
Slides	824 kg	1.007 kg	22,21 %	621 kg	-24,68 %
Cartons	3.310 Stk	2.960 Stk	-10,57 %	3.760 Stk	13,60 %
Pallets	620 Stk	810 Stk	30,65 %	680 Stk	9,68 %
Office supplies					
Paper	70.000 sheets	60.000 sheets	-14,29 %	57.500 sheets	-17,86 %
Operating supplies					
Nitrogen	8.400 L	12.000 L	42,86 %	7.800 L	-7,14 %
Oxygen	600 L	2.400 L	300,00 %	1.800 L	200,00 %
Oil and lubricants	30 L	300 L	900,00 %	1.712 L	5606,67 %
Cleaning products	50 L	50 L	0,00 %	50 L	0,00 %
Emissions	57,8 tCO2	60,6 tCO2	4,92 %	64,5 tCO2	11,57 %
Greenhouse gases (GHG) from electricity consumption in t CO2 equivalent	35,5 t	34,6 t	-2,51 %	36,7 t	6,27 %
GHG from district heating in t CO2 equivalent	1,9 t	2,1 t	12,44 %	1,7 t	-18,14 %
GHGfuel consumption in t CO2 equivalent	20,4 t	23,9 t	17,12 %	26,0 t	8,62 %
Water					
Drinking water	341 qbm	244 qbm	-28,45 %	256	4,92 %
Service water	321 qbm	233 qbm	-27,41 %	223	-4,29 %
Total waste	48.885 kg	62.860 kg	28,59 %	54.312 kg	-13,60 %
Pipe scrap (14,509 kg)	5.139 kg	5.838 kg	13,60 %	2.780 kg	-52,38 %
MDF (dust)	28.900 kg	42.120 Kg	45,74 %	31.200 kg	-25,93 %
Metal scrap	3.910 kg	3.998 Kg	2,25 %	5.996 kg	49,97 %
Cardboard/paper 88 kg/emptying	9240 kg	9240 kg	0,00 %	12672 kg	37,14 %
Plastics 32 kg/emptying	1696 kg	1664 Kg	-1,89 %	1664 kg	0,00 %
hazardous waste	105 kg	900 kg	757,14 %	260 kg	-71,11 %
Oil and lubricants	0 kg	900 kg	900,00 %	200 kg	-77,78 %
Ölhaltige Lappen	105 Kg	0 Kg	-100,00 %	60 kg	-42,86 %

Key indicators

	2020	2021	Change to 2020	2022	Change to 2020
Key indicators	**B = Application rate in kg**				
Product kilogram Pkg	256.089,0 Pkg	399.508,0 Pkg	56,00 %	340.054,6 Pkg	32,79 %
Energy					
Target value is 100% share of renewable energy					
Total direct energy consumption/B	1,8 Kwh/Pkg	1,2 Kwh/Pkg	-33,56 %	1,2 Kwh/Pkg	-32,21 %
Power consumption/B	0,7 Kwh/Pkg	0,5 Kwh/Pkg	-29,25 %	0,5 Kwh/Pkg	-29,06 %
Heat consumption/B	0,7 Kwh/Pkg	0,5 Kwh/Pkg	-27,93 %	0,5 Kwh/Pkg	-30,68 %
Total renewable energy consumption /B	0,9 Kwh/Pkg	0,7 Kwh/Pkg	-26,59 %	0,7 Kwh/Pkg	-30,47 %
Total renewable energy generation/B	0,2 Kwh/Pkg	0,2 Kwh/Pkg	-35,29 %	0,2 Kwh/Pkg	-18,24 %
Share of renewable energy in total consumption	52,70 %	58,23 %	10,49 %	54,06 %	2,58 %
Material					
Target value is max. 15 % wastage					
Pipe offcut	19,62 %	8,47 %	-56,85 %	5,76 %	-70,64 %
Offcut MDF	12,57 %	12,74 %	1,37 %	10,69 %	-14,94 %
Water					
Target value is max. 1 L water consumption					
Water consumption/B	1,33 L/Pkg	0,61 L/Pkg	-54,13 %	0,75 L/Pkg	-43,46 %
Waste					
Target value is max. 1 % hazardous waste in the period under consideration					
Total volume/B	0,191 Kg/Pkg	0,157 Kg/Pkg	-17,57 %	0,160 Kg/Pkg	-16,33 %
Share of hazardous waste in total generation	0,21 %	1,43 %	566,58 %	0,48 %	122,88 %
Land use					
Target value is < 0.02 sqm/pkg					
Total sealed area/B	0,036 qm/Pkg	0,023 qm/Pkg	-35,90 %	0,027 qm/Pkg	-24,69 %
Emissions					
Target value is = 0 without compensation					
Greenhouse emissions/B	0,23 KgC02/Pkg	0,15 KgC02/Pkg	-32,75 %	0,19 KgC02/Pkg*	-15,98 %

Explanation of the core indicators

As already mentioned, the core indicators also show that the environmental impact of our activities is comparatively low. Through planned increases in sales, we will deliver more products and thus further improve the core indicators. Because consumption quantities such as water, land use and hazardous waste (disposal of oil and lubricants) remain constant, our products will be able to further reduce their environmental footprint in the future.

Due to the energy crisis resulting from the Ukraine conflict, our energy supplier had to increase the share of coal in the energy mix. Although we were able to save electricity significantly overall, the share of renewable energies and thus the CO2 emissions per kilogram in 2022 unfortunately deteriorated slightly.

Security and legal obligations

No environmental violations were found during the period under review. An inspection by the State Office for Occupational Safety, Health and Technical Safety also did not reveal any complaints. In all our activities, we are committed to improving environmental and energy-related performance in compliance with environmental protection, occupational safety and health protection. Compliance with these legal requirements is crucial for companies to minimise legal risks and assume legal responsibility. To this end, we have compiled a legal cadastre with all the laws and legally binding regulations in labour and environmental law that are relevant to us. Through regular external review and updating of the legal register, we can ensure that it is up to date and that we comply with applicable legislation.

Environmental protection target plan 2023/2024

Unternehmen Scope 2 Energy-related indirect emissions				
Environmental goal	**Specific objectives/measures**	**Responsible**	**Benefit/saving**	**Date**
Further improve the measurability of the success of the measures	· Further sharpen heating energy consumption and resulting CO2 emissions as key figures · Optimise the measurability of the indicators for the actual energy efficiency of the building · Further expand electricity consumption and resulting CO2 emissions as key figures	M, OM	Make successes/ savings more visible. Make potential savings more visible	End II/2023
Reduce the building's heating energy consumption by 5% annually with respect to the 2020 energy consumption and maintain the production volume	· Seal doors · Check possibility of further insulation measures · organisational measures · Check structural measures: Separate part of hall (goods issue) · Research and test cold air curtains for the hall doors · Consider the use of vertical wind turbines	OM, Environmental team	as a result, less CO2 is released into the atmosphere	Winter 2022/23 and Winter 2023/24
Reduce CO2 emissions per kWh of electricity used by 5 %, see above	· Replace green roof with photovoltaics: check legal options · Check the tariff change at the electricity supplier	M	as a result, less CO2 is released into the atmosphere	I/2024
Improve perceived dust nuisance in the halls	· Use of sweepings for hall cleaning · Increase cleaning cycles	Environmental team	Improves the well-being of employees	II/2023
Improve dietary behaviour	· Offer vegan cooking classes · Check canteen operation	Environmental team	Reduced meat consumption leads to fewer greenhouse gases	IV/2023

Company Scope 3 upstream and downstream activities				
Ensure measurability of the success of the measures	· Establishment of a measurable key figure for the employees' journey · Determination of a measurable key figure for the own delivery logistics	Administration	Make successes/ savings visible	Integration into the EMS by i/2024
Reduce emissions from employee travel	· (e)Bike programme for employeesOffer · more BVG tickets (regularly) · Examine use of hybrid or electric company vehicles	HR	as a result, less CO2 is released into the atmosphere	Integration into the EMS by I/2024
Reduce emissions from own delivery logistics	· Examine conversion to electrically powered delivery vehicles	M	as a result, less CO2 is released into the atmosphere	Integration into the EMS by I/2024

Products				
Environmental goal	**Specific objectives/measures**	**Responsibility**	**Benefit/saving**	**Date**
Further improve the measurability of the success of the measures	· Improve product-related key figures for life cycle assessment of products, e.g. for LCA or cradle-to-cradle · Improve key figures for resource use in manufacturing	PM	Make successes/savings more visible.	IV/ 2023
Product certification	· Achieve (environmental) certification of a product	PM	Environmentally friendly products through comparability for the customer lead to pressure for improvement	IV/2024
Further increase the useful life of the products	· Preparing the circular economy: Project manual and work breakdown structure · Check take-back system	M, SL	Less waste, less resource consumption, less energy use	IV/2024
Increase the longevity of the products	· Collect and evaluate opportunities · Include subsequent use in planning	PM	Less waste, less resource consumption, less energy use	II/2024
Improve the life cycle assessment of the raw materials used	· Include alternative material to MDF in the offer · Check GREENSTEEL	PM	More sustainable economic cycles protect nature in the long term	III/2024
Continuously reduce raw material consumption	· Collect and evaluate opportunities · Increase the share of recycled materials	PM, SL	More sustainable economic cycles protect nature in the long term	IV/2023
Ensure recyclability of the individual raw materials	· Revision FlexBoard (detachable connection) · Check use/replacement of recycled material for FlexBoards	PM, Environmental team	Avoidance of adhesives saves and enables professional, unmixed reuse and repair	IV/2023

Use of materials				
Environmental goal	**Specific objectives/measures**	**Responsibility**	**Benefit/saving**	**Date**
Reduce paper consumption by 5% annually Reference year 2020	· Control paper consumption · Create more awareness ("Think before you print")	Environmental team	Conservation of natural resources	continuous
Check office supplies for environmental friendliness	· Evaluation of office materials, what was bought (e.g. transparent envelopes) · Check substitution possibilities.	Environmental team	Sustainable procurement protects the environment and conserves resources	I/2023
Improve regional procurement	· Research sources of supply · Check substitution possibilities if necessary · Include regionality as a criterion in supplier evaluation	Purchasing department	Less greenhouse gases due to transport of materials	III/2023
Biodiversity				
Species protection	· Build at least 2 insect hotels (e.g. from pallets). · Check whether the areas can also be grazed (sheep instead of lawnmowers).	Environmental team	Preservation, protection and promotion of insects in the urban area	II/2023
Water				
Water use	· Consider the use of rainwater barrels under the canopies for irrigation in summer	Environmental team	Reduces the consumption of precious drinking water	I/2023

M = Management
OM = Operations Management
SL = Sales management
PM = Product management
HR = Human Resource (Personnel Department)

Validity declaration

Der im Folgenden aufgeführte Umweltgutachter bestätigt, begutachtet zu haben, dass der Standort, wie in der vorliegenden Umwelterklärung der Organisation System 180 GmbH mit der

Registrierungsnummer_____,

alle Anforderungen der Verordnung (EG) Nr.1221/2009 des Europäischen Parlaments und des Rates vom 25. November 2009 in der Fassung vom 28.08.2017 und 19.12.2018 über die freiwillige Teilnahme von Organisationen an einem Gemeinschaftssystem für Umweltmanagement und Umweltbetriebsprüfung (EMAS) erfüllt.

Name des Umweltgutachters
Dr. Axel Romanus

Registrierungsnummer:
DE-V-0175

Zugelassen für die Bereiche (NACE)
31.09, Herstellung von sonstigen Möbeln

Mit Unterzeichnung dieser Erklärung wird bestätigt, dass:

- die Begutachtung und Validierung in voller Übereinstimmung mit den Anforderungen der Verordnung (EG) Nr. 1221/2009 in der durch die Verordnung (EU) 2017/1505 und (EU) 2018/2026 der Kommission geänderten Fassung durchgeführt wurden,
- das Ergebnis der Begutachtung und Validierung bestätigt, dass keine Belege für die Nichteinhaltung der geltenden Umweltvorschriften vorliegen und
- die Daten und Angaben der Umwelterklärung ein verlässliches, glaubhaftes und wahrheitsgetreues Bild sämtlicher Tätigkeiten der Organisation geben.

Diese Erklärung kann nicht mit einer EMAS-Registrierung gleichgesetzt werden. Die EMAS-Registrierung kann nur durch eine zuständige Stelle gemäß der Verordnung (EG) Nr. 1221/2009 erfolgen.
Diese Erklärung darf nicht als eigenständige Grundlage für die Unterrichtung der Öffentlichkeit verwendet werden.

Berlin, den 30. 05. 2023

Dr. Axel Romanus
Umweltgutachter DE-V-0175

GUTcert

GUT Certifizierungsgesellschaft für Managementsysteme mbH
Umweltgutachter DE-V-0213

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