

UPDATED ENVIRONMENTAL STATEMENT 2020



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Dear Readers,

Sustainability is a supporting pillar of our corporate culture. With a view to future generations, for whom we want to leave behind an intact, natural living environment, and in line with the increased demands of our customers, we have fully focussed our business activities on sustainable economic activity.

For REISS, sustainability begins with the development of new products. The economical use of valuable raw materials during the production and logistic activities, as well as maintenance of our high quality standards play a decisive role here. One example of this is our REISS Avaro electromotive table series. It is much lighter and requires less material than the previous version.

Our new plant in the Lausitz district is an example of sustainable production. We have felt very strongly about ecological design and high energy efficiency from the very first day of the realisation of this project that is worth millions. In addition to intelligent production technology at the Industry 4.0 level, which ensures highly efficient production and optimum process management, REISS is relying on a well thought-out energy concept for the new building. One component of this is a silo that can hold around 1200 cubic metres of shavings. The shavings that arise during production are used as the sole energy source for heating the halls and for generating hot water. This means that we can dispense with the use of fossil fuels such as gas, coal or crude oil when generating heat for production. The concept is rounded off by an application and workplace-oriented lighting system with energy-saving LEDs.

Our commitment has been recognised several times: the REISS quality management has been certified according to ISO 9001 since 1994, and the REISS environmental management has been certified according to ISO 14001 since 1996. We published our first environmental statement according to EMAS III in 2013. Since 2018, REISS has been certified according to the international standard PEFC (Chain-of-Custody PEFC-CoC) – a visible sign of conversion to wood from sustainable forestry.

“Deliver only the best” was the motto of our company founder Robert Reiss. We follow this guideline to this day – in keeping with environmental protection and sustainable action.

The total annual inputs/outputs given in this updated environmental statement are primarily for the site Plant 1 (Bad Liebenwerda) as production for selected manufacturing areas did not start at the Lausitz site (Plant 2) until the beginning of February 2020. From the financial year 2020, i.e., with the updated environmental statement 2021, the total annual inputs/outputs will be given for both production sites.

Bad Liebenwerda, March 2020



Hans-Ulrich Weishaupt
Managing Director



Gerd Widule
Managing Director



Site: New production site – Plant 2

REISS Büromöbel GmbH achieved the biggest milestone right on its own doorstep. The ground-breaking ceremony for the new production site, Plant 2 in the industrial park of Bad Liebenwerda in the Lausitz district, took place in the spring of 2018. The first systems were installed and tested in 2019. In February 2020, Plant 2 started production as one of the most modern and efficient sites in the industry.

The production plant is fully interlinked and designed to manufacture office furniture in any quantity from particle board to carcass. The plant is equipped with slab storage facilities, sawing/cutting machines, edge banding machines, and activities such as sorting in robot cells, drilling/milling, dowel setting, fittings mounting, carcass grouting, base installation and final assembly are carried out here. In the first stages, storage – sawing – edge coating – sorting – drilling/milling, production is automatic, in the subsequent stages, fittings mounting – glue application – pressing – base installation – final assembly, assembly is manual.

The dispatch hall with 8 separate docks is connected to the production area. There are also a total of 80 bridge parking spaces in the outer area.

In addition to the analogue progress on the new building, its digital restructuring is also underway with the aim of putting the semi-automatic batch size 1 system into operation. For this purpose, the data structure in the company was adapted so that design and order data can be directly transferred to the production processes for the plant. The plant is controlled, managed and monitored by a production control system. This ensures optimum interplay of the individual system components to form a complete system.

With an area of over 12,500 m², the new production hall at Plant 2 in the Lausitz district is significantly larger than the production hall in Bad Liebenwerda. The new plant was built to be able to respond more individually to customer wishes, to improve work processes, to minimise logistical costs, and to clearly separate value creation and shipping processes from each other.

By 2022, REISS will be investing in the two sites, as well as in the digitisation of the production activity, thus bringing the company up to the future-oriented Industry 4.0 level.



Transfer of boards from the board storage facility into the production process ▶



Fully automatic edge coating (glue or zero-joint edge) ▶



Intermediate storage with robot-controlled sorting ▶



Drilling and milling of parts for cabinet production ▶



Semi-automated grouting of components in cabinet production ▶

3.2 Material and energy flows: input/output

Input	2016	2017	2018	2019
Product material [t]				
Metals	1,736.89	2,068.74	1,732.48	1,614.71
Particle board/MDF	4,628.81	4,735.50	4,801.23	5,150.87
Plastics (shutters, strips)	93.80	73.70	58.98	52.27
Edge band	125.50	115.00	145.10	123.70
Drive systems	332.07	519.51	614.87	865.05
Total	6,917.07	7,512.45	7,352.66	7,806.60
Auxiliary materials and operating supplies [t]				
Surface cleaners	4.08	4.09	5.29	3.95
thereof VOC ³	–	4.68	5.26	3.91
Glues ⁵	9.41	8.80	8.87	10.76
Powder coatings	15.98	12.80	11.54	14.06
Total	29.47	30.36	30.96	32.67
Packaging [t]				
Foils ⁴	22.72	31.55	27.11	26.00
Cardboard	56.85	70.60	71.92	73.26
Total	79.58	102.15	99.04	99.25
Water [m³]				
Water Public supply network	2,685.00	3,198.00	2,872.00	2,932.00
Energy [MWh]				
Electricity	1,936.58	2,137.21	2,166.86	2,026.90
Natural gas ⁵	2,103.23	2,205.22	2,473.85	2,479.74
Wood shavings	810.22	812.83	828.51	831.12
Total	4,850.03	5,155.26	5,469.22	5,337.77
Proportion of renewable energies [MWh]				
Wood shavings	810.22	812.83	828.51	831.12
Electricity ¹	993.47	1,102.80	1,198.27	–
Total	1,803.68	1,915.63	2,026.78	831.12
Fuel [t]²				
Diesel	35,466	39,499	38,848	40,135
Petrol	1,448	551	3,851	5,088
Total	36,913.51	40,050.21	42,698.43	45,222.47
Land utilisation [m²] – in terms of biodiversity				
Total area Plant 1	30,076.00	30,076.00	30,076.00	30,076.00
thereof sealed	9,157.00	9,157.00	9,157.00	9,157.00
thereof near-natural areas	8,865.00	8,865.00	8,865.00	8,865.00
thereof built over	12,054.00	12,054.00	12,054.00	12,054.00
Total area Plant 2	0.00	0.00	0.00	61,689.00
thereof sealed	0.00	0.00	0.00	7,099.00
thereof near-natural areas	0.00	0.00	0.00	33,668.00
thereof built over	0.00	0.00	0.00	20,922.00

Output	2016	2017	2018	2019
Products [t]				
Containers	1,442.66	1,613.77	1,409.67	1,519.66
High containers	0.00	0.00	82.11	27.52
Cabinets	2,428.39	2,214.11	1,914.30	1,757.46
Tables	2,100.52	1,851.52	962.68	912.56
Sit-stand tables	1,030.68	1,584.68	2,390.06	2,977.58
Acoustics/partition walls	–	–	30.99	22.00
Accessories	162.42	150.45	178.33	167.06
Total	7,164.67	7,414.53	6,968.14	7,383.86
Non-hazardous waste [t]				
Mixed municipal waste	37.46	39.83	31.58	31.64
Wood waste	479.04	655.45	864.79	458.49
Paper/cardboard	40.33	49.47	41.86	40.44
Laminated cardboard	–	–	–	4.01
Plastics	4.90	4.59	6.46	3.93
Mixed scrap	313.34	336.96	245.79	249.37
Ash	2.66	2.90	2.64	2.20
Total	877.73	1,089.20	1,193.12	786.07
Fluorescent tubes [pcs]	185	225	180	Approx. 80
Hazardous waste [t]				
Oil-contaminated equipment	1.44	1.80	1.20	0.72
Duridine	4.00	7.65	6.60	10.56
Total	5.44	9.45	7.80	11.28
Wastewater [m³]	2,685.00	3,198.00	2,872.00	2,932.00

1 Composition of electricity for 2019 only known in quarter IV of 2020

2 For the company's own vehicle fleet

3 The VOC (*volatile organic compounds*) proportions contained are above the threshold value specified in 31 of the BImSchV (Federal Immission Control Ordinance). Measures to reduce VOC emissions have been initiated and agreed with the competent authority.

4 New values due to a correction in the individual weight of a packaging material used

5 Correction of consumption for 2018

3.2 Material and energy flows: input/output

Emissions of greenhouse gases [t]

	Natural gas		Wood shavings		Diesel		Petrol	
	2018	2019	2018	2019	2018	2019	2018	2019
CO ₂ -equivalent	716.15	717.86	24.20	24.27	115.60	119.43	10.38	13.71
CO ₂	652.87	654.42	21.54	21.61	111.05	114.73	10.19	13.47
CH ₄	2.05	2.06	0.04	0.04	0.05	0.05	0.00	0.00
N ₂ O	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
HFC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PFC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NF ₃	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SF ₆	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Emissions of air pollutants [t]

	Natural gas		Wood shavings		Diesel		Petrol	
	2018	2019	2018	2019	2018	2019	2018	2019
SO ₂	0.03	0.03	0.12	0.12	0.05	0.05	0.00	0.01
NO _x	0.47	0.48	0.28	0.28	0.18	0.18	0.01	0.01
PM	0.02	0.02	0.06	0.06	0.01	0.01	0.00	0.00

* GEMIS_495

Abbreviations:

CO₂ – carbon dioxide

CH₄ – methane

N₂O – nitrous oxide

HFC – hydrochlorofluorocarbons

PFC – per- and polyfluorinated chemicals

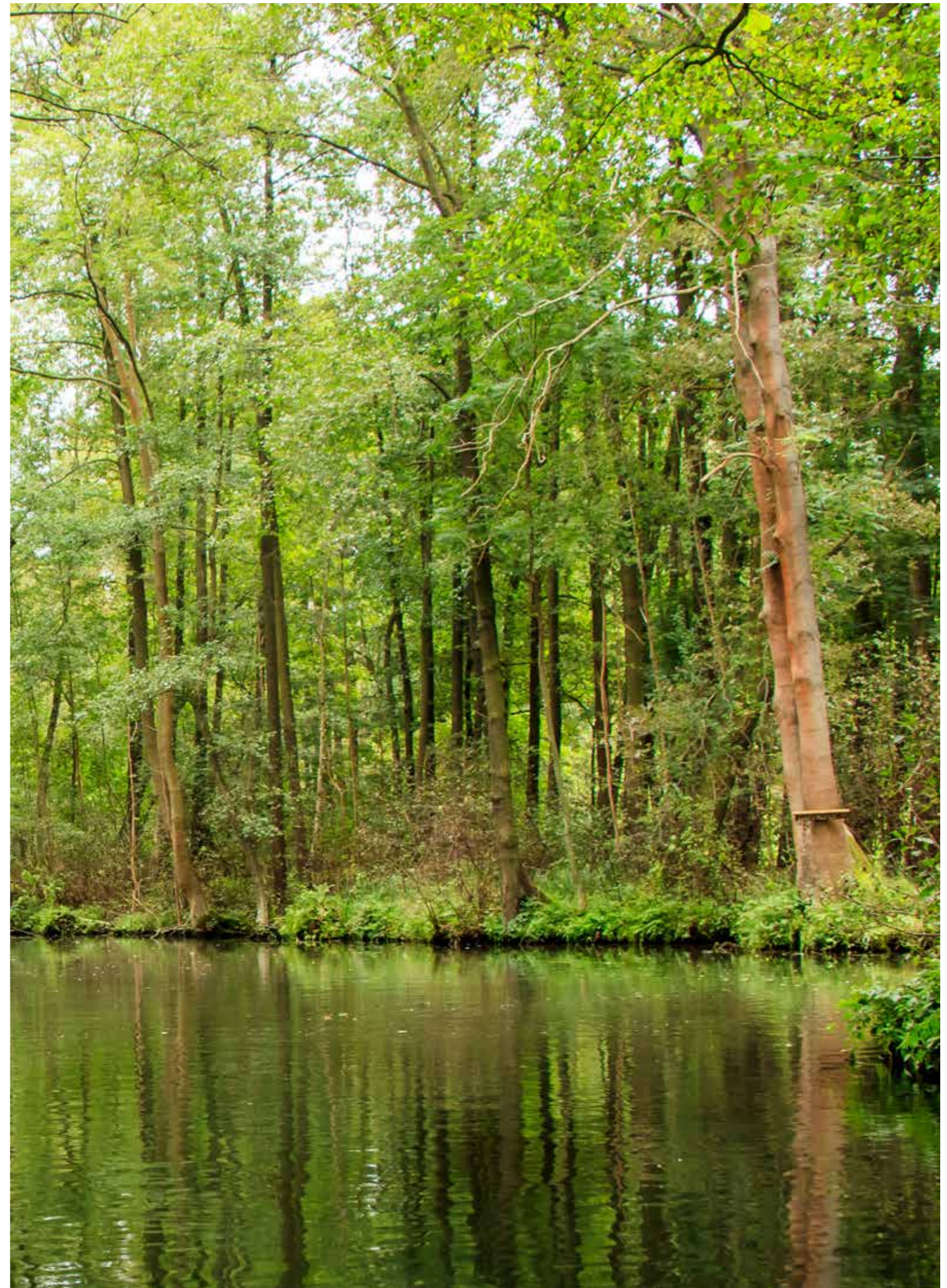
NF₃ – nitrogen trifluoride

SF₆ – sulphur hexafluoride

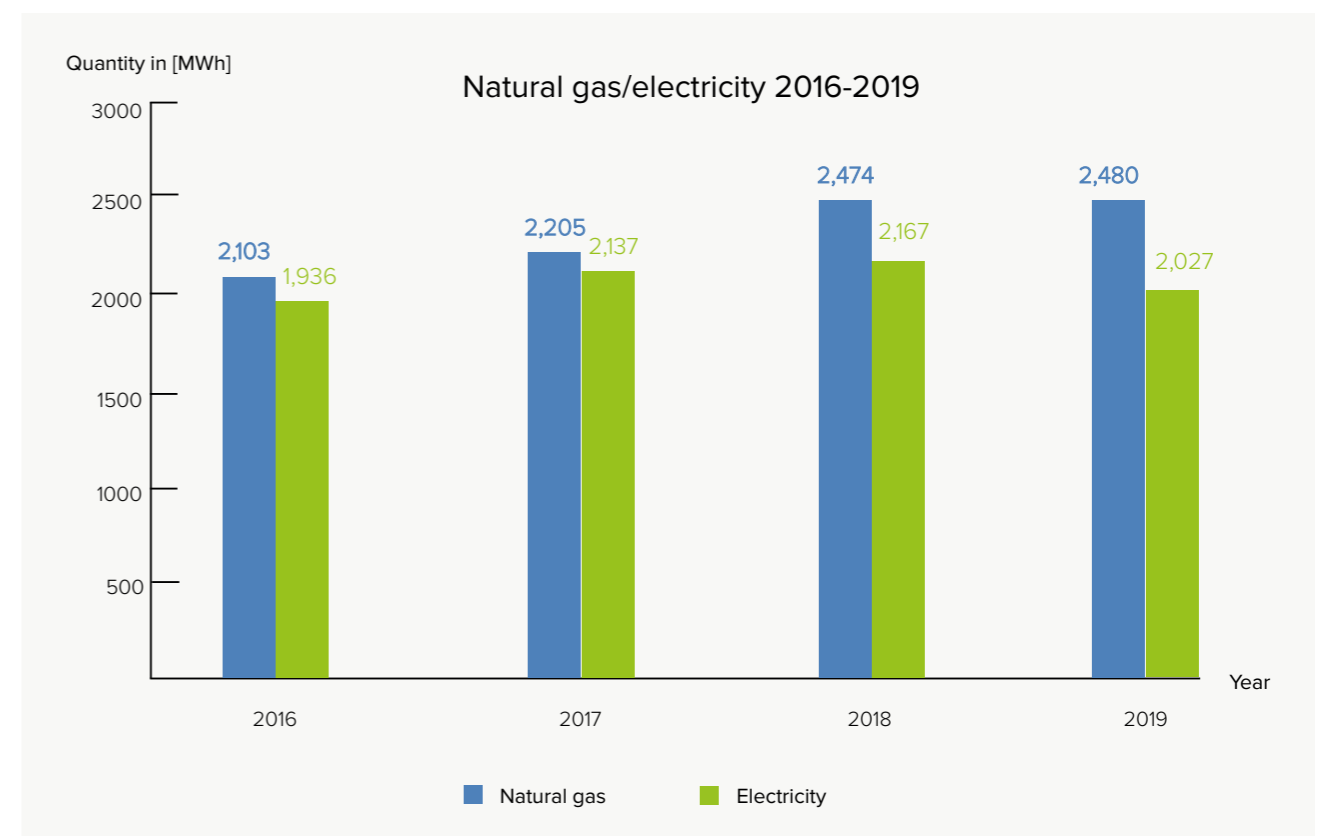
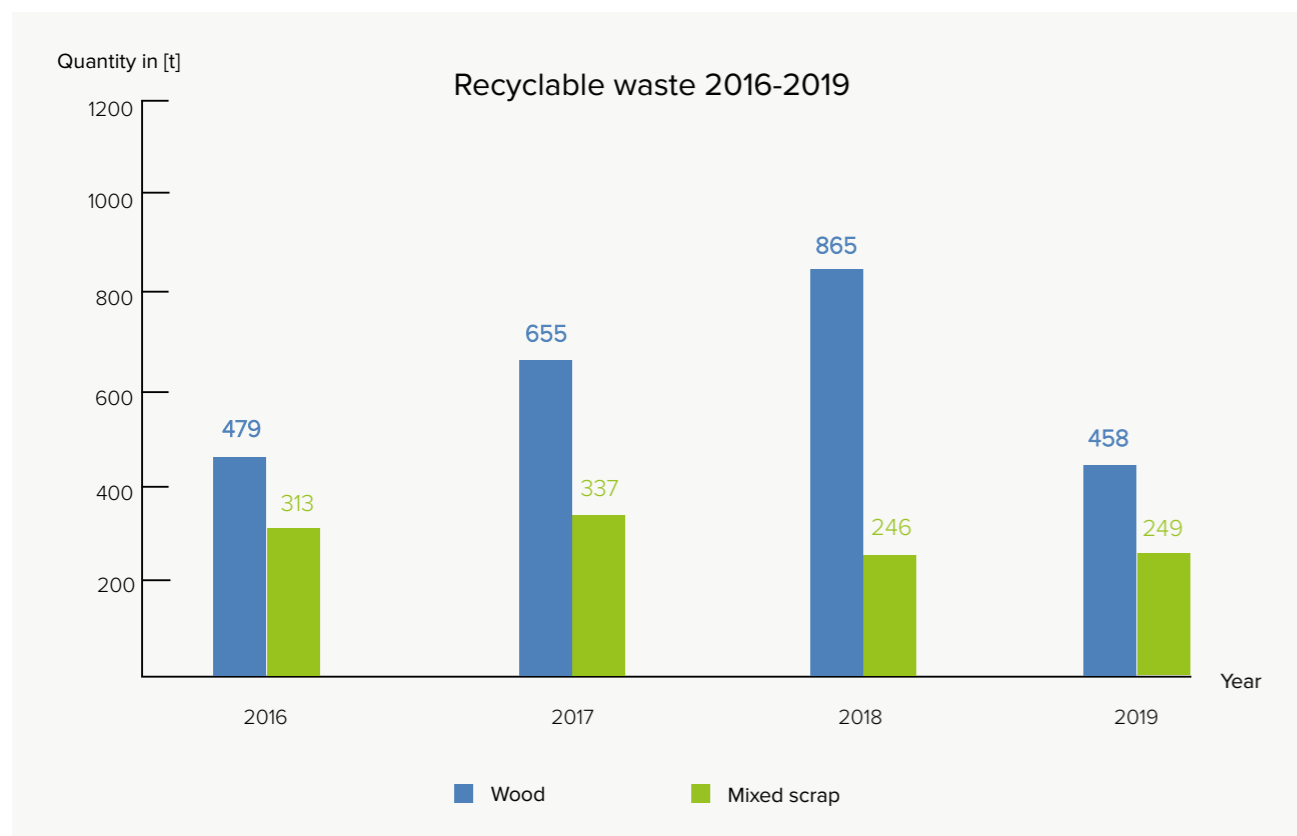
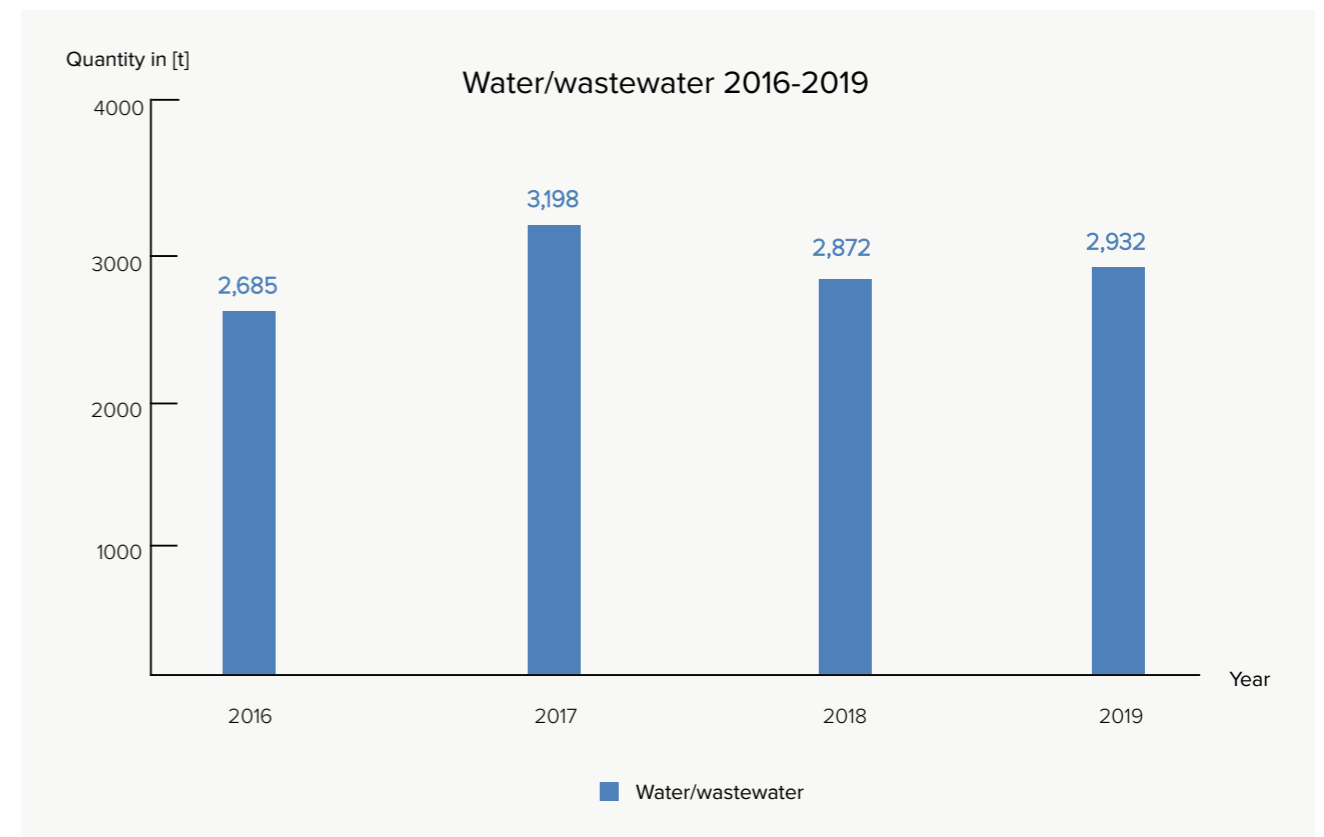
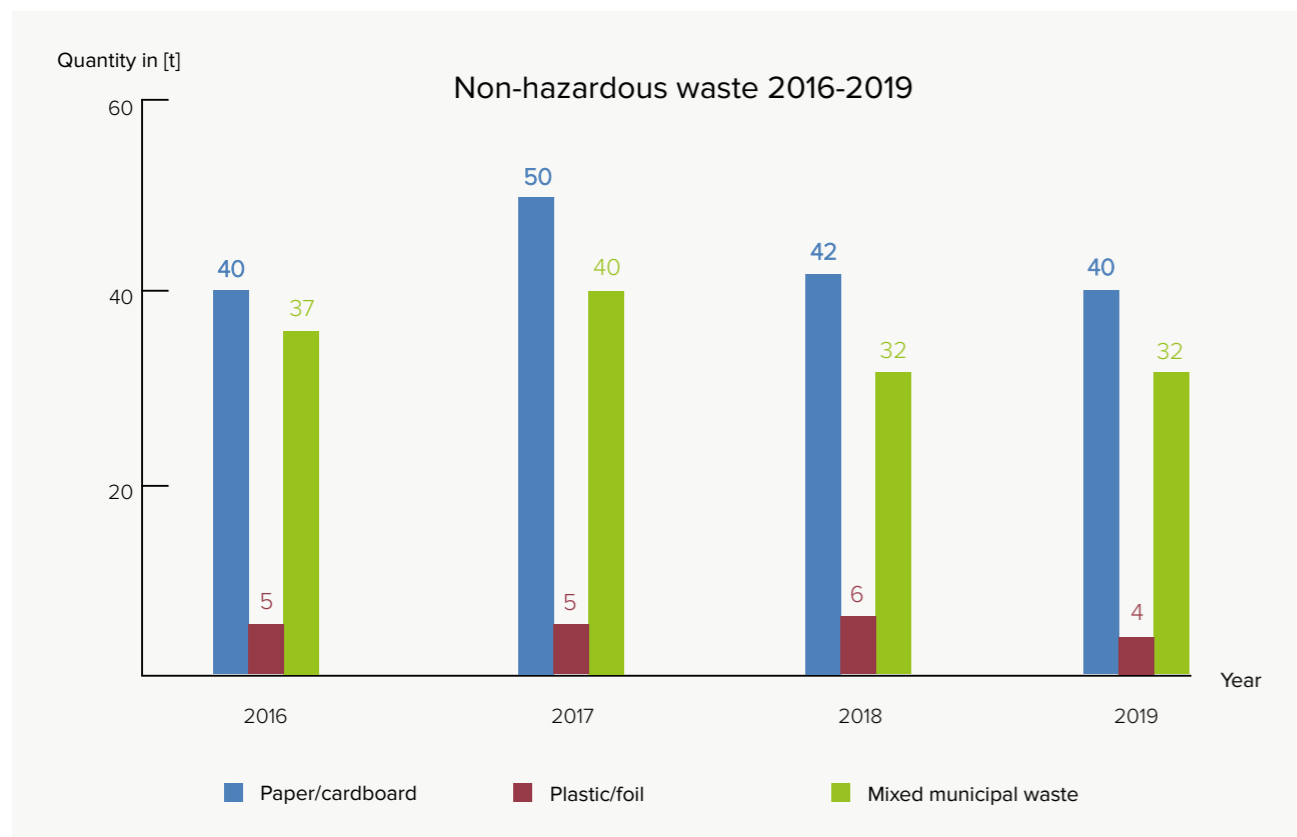
SO₂ – sulphur dioxide

NO_x – nitrogen oxides

PM – particulate matter



3.3 Material and energy flows: visualisations



3.4 Core indicators

Year		2016	2017	2018	2019
Employees		162	179	198	206
1. Mixed municipal waste Total annual volume of residual waste	[t]	0.23	0.22	0.16	0.15
2. Water Total annual consumption	[m ³]	16.57	17.87	14.51	14.23
3. Biodiversity Cultivated area	[m ²]	185.65	168.02	151.90	445.46*
* Increase in land utilisation due to the construction of the new Plant 2; for information see page 4					
Products sold [t]		7,165	7,415	6,968	7,384
4. Energy efficiency Total direct energy consumption – electricity, natural gas, wood shavings	[MWh]	0.68	0.70	0.78	0.72
5. Material efficiency Processed product material	[t]	0.97	1.01	1.06	1.06
6. Emissions CO ₂ -equivalent	[t]	0.10	0.11	0.12	0.12
7. Waste, non-hazardous Total annual amount of non-hazardous waste	[t]	0.12	0.15	0.17	0.11

Less than 250 employees in an SME and a turnover of less than 50 million euros.

3.6 Procedure for determining the significance of environmental aspects

When identifying the environmental aspects, a distinction is made between significant and non-significant environmental aspects. Significant environmental aspects include those that have a significant impact on the environment, such as:

- Resource consumption
- Regulations
- Municipal requirements of the health-resort town of Bad Liebenwerda
- Waste disposal (hazardous, non-hazardous)
- Emissions into the atmosphere (dust, gas, noise)
- Energy and water consumption
- Use of hazardous substances

Furthermore, the significant environmental aspects are divided into direct and indirect environmental aspects. Direct environmental aspects always relate to the activities, services or products that are under the direct control of the organisation. Indirect environmental aspects include those that arise from interactions with third parties such as suppliers, forwarding agents, etc., and only indirectly result from the activities of the organisation.

During internal audits, all significant environmental aspects are assessed and, if necessary, new significant environmental aspects are identified. The significance of the environmental aspects for the organisation and their probability of occurrence are taken into account during the assessment of significant environmental aspects.

The result of the assessment can range from “no compelling need for action” to “urgent need for action”. The assessment is carried out regularly and presented to the management. Mitigation measures are defined if necessary.

By identifying and regularly assessing environmental aspects, the resulting environmental impact can be kept to a minimum.

6 Certificates



Certificate for the quality management system and environmental management system according to DIN EN ISO 9001:2015 and DIN EN ISO 14001:2015



REISS fulfils the guidelines in accordance with the EMAS III criteria



REISS products carry the RAL-UZ 38 eco-label

www.btauer-engel.de/uz38



REISS products are GS-tested.



REISS products comply with the high demands stipulated by the "Quality criteria for office workstations"



REISS uses wood-based materials from sustainable forestry



CE marking
Decision no. 768/2008/EC
Regulation (EC) no. 765/2008



The textiles used for screening walls have the EU Ecolabel and are OE-KO-TEX® certified.



REISS carries out eco-friendly production in the health-resort town of Bad Liebenwerda.

7 Validation certificate

Statement of the environmental verifier on the audit and verification activities

I, the undersigned environmental verifier, Michael Sperling, EMAS Environmental Verifier, Registration No. DE-V-0097, accredited and licensed for the area 31 Manufacture of furniture (Nace code), confirm that I have verified whether the site or the entire organisation fulfils all requirements of Regulation (EC) no. 1221/2009 of the European Parliament and of the Council of 25th November 2009 on the voluntary participation by organisations in a community eco-management and audit scheme (EMAS), as stated in the updated environmental statement 2020 of Reiss Büromöbel GmbH (registration number DE-143-00038).

By signing this declaration, I confirm that

- the verification and validation have been carried out in full compliance with the requirements of Regulation (EC) no. 1221/2009,
- the amendments made by Regulation (EC) 2017/1505 of 28th August 2017 and by Regulation (EC) 2018/2026 of 9th January 2019 have been fully taken into account,
- the result of the verification and validation indicates beyond doubt that there is no evidence of non-compliance with the applicable environmental regulations,
- the data and information in the updated environmental statement of the organisation present a reliable, credible and true picture of all the organisation's activities that fall within the scope specified in the environmental statement.

This statement cannot be equated with an EMAS registration. EMAS registration can be carried out only by a competent body in accordance with Regulation (EC) no. 1221/2009. This statement may not be used as a stand-alone piece of public communication.

Bad Liebenwerda, 24.03.2020

Michael Sperling
Environmental Auditor
DE-V-0097

Contact person at REISS Büromöbel GmbH

For questions and suggestions, please contact the environmental management officer, Mrs. Theresa Mägel, who will be glad to assist you.
Email: Umweltmanagement@reiss-bueromoebel.de

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The latest environmental indicators are made available on our homepage every year. The next updated environmental statement will be published in May 2021.
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