



SUSTAINABILITY REPORT

2022

KOHLSCHEIN SINCE
1932



S U S T A I N A B I L I T Y

FOR THE FUTURE

KOHLSCHEIN has been active in the production, processing and distribution of paper, cardboard and paperboard materials since 1932.

As a family business with a long term focus, we are aware of the social necessities of sustainable use of natural resources, responsible procurement and social justice and have committed ourselves to these principles in order to achieve holistic sustainability.

R E P O R T 2 0 2 2

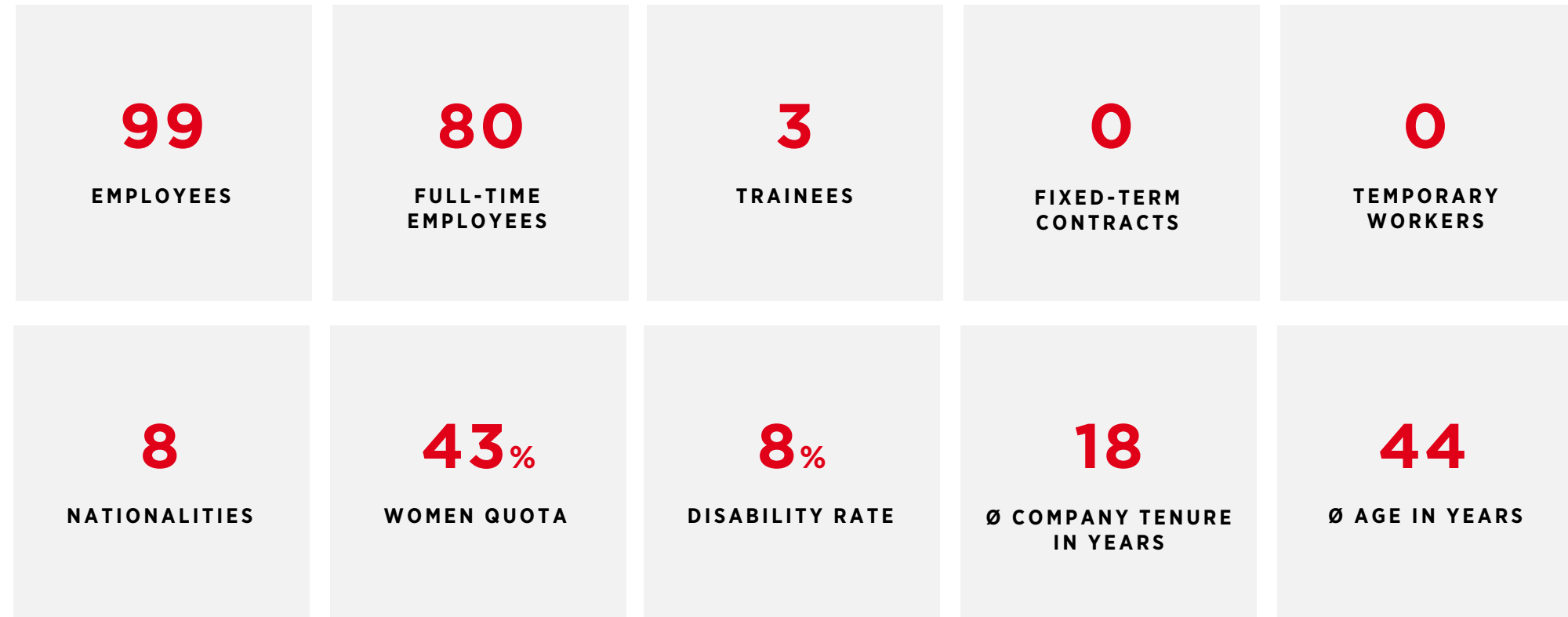
CONTENT

People at KOHLSCHEIN	3
Certifications	7
Products	13
Waste Management	16
Resources	22
Goals	30

PEOPLE AT KOHLSCHEIN

OUR TEAM IN NUMBERS

Since its founding in 1932, KOHLSCHEIN has remained a family-owned company, now in its 4th generation.



SOCIAL COMMITMENT

We see ourselves as part of society, and therefore social engagement has been an integral part of our identity for many decades. We take on diverse social responsibilities as an employer, as a training company, and as a neighbor in our community. This includes supporting local clubs in sports or carnival activities through monetary or material donations, as well as organizing regular donation campaigns involving our entire workforce.



In 2022, among other initiatives, we provided support for:

- Material donation to an international project by art students
- Sponsorship of jerseys for the youth handball team of ASV Suechteln
- €2500 donation to Aktion Mensch e.V. for war victims in Ukraine

FEEL GOOD-MANAGEMENT

Healthy and motivated employees are the driving force behind our company. Therefore, we prioritize measures for health promotion, stress reduction, and team building.



Fruits and vegetables once a week



Break rooms



E-Bike (JobRad Leasing)



Company celebrations and team events
(summer 6 Christmas parties, movie nights,
sports events, etc.)



Protective equipment (work shoes,
safety vests, ear protection, etc.)



Company doctor

CERTIFICATIONS

S U S T A I N A B I L I T Y

FSC® AND PEFC CERTIFICATION

FSC® and PEFC are international forest certification schemes to promote ecologically, socially and economically sustainable forest management around the world. As a responsible manufacturer of sustainable board qualities, we have been offering our customers FSC®- and PEFC-certified materials since 2010.



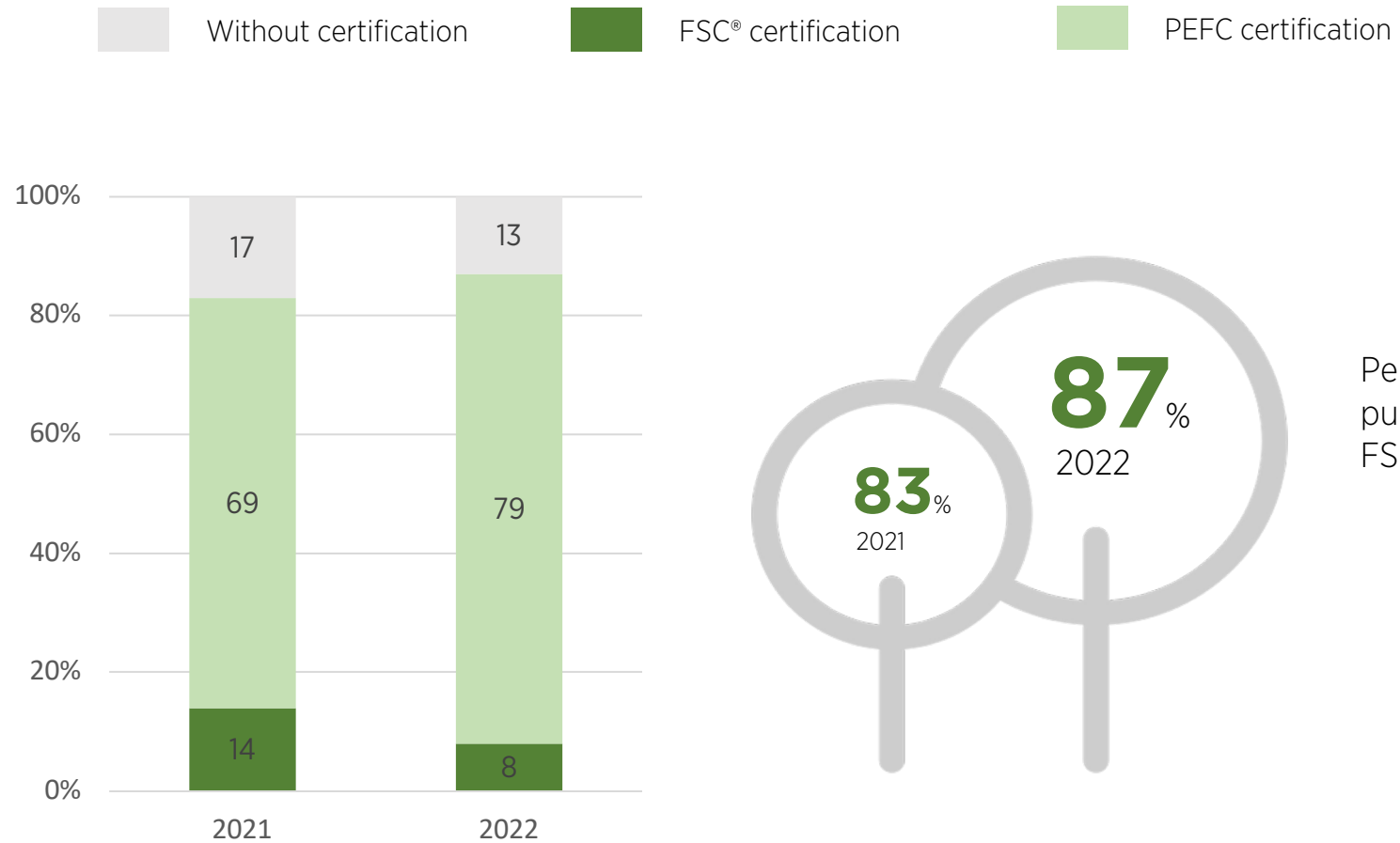
Das Zeichen für
verantwortungsvolle
Waldwirtschaft



Förderung
nachhaltiger
Waldbewirtschaftung

S U S T A I N A B I L I T Y

SHARE OF FSC® / PEFC



S U S T A I N A B I L I T Y

ISEGA CERTIFICATION

ISEGA is an internationally free independent testing and certification institute for industry & retail.

Our products EKA Board, KROMA® Natural White and KROMA® Kraft have been classified by ISEGA as food safe and suitable for contact with dry, non fatty food. Furthermore they are certified according to European standard DIN EN 71 as safe material for toys and can be used for puzzles, board games, toy packaging etc.



S U S T A I N A B I L I T Y

CSR RATING

Ecovadis is the world's most trusted provider of sustainability assessments and smart, collaborative tools to improve the performance of global supply chains.



We are proud to be part of this network and to provide actionable scorecards, benchmarks and other tools to improve environmental, social and ethical practices and transparency.

ecovadis
Business Sustainability Ratings

S U S T A I N A B I L I T Y

DIN ISO 9001:2015

DIN ISO 9001:2015 is a worldwide approved standard that defines requirements for effective quality management in a company that has an impact on performance, speed and profitability.

In 2022, we successfully passed the re-certification audit.



PRODUCTS

S U S T A I N A B I L I T Y

SUSTAINABLE PRODUCTS

We are a manufacturer of environmentally friendly and high-quality paper & board materials for signs, displays, packaging and industrial applications.












DESCRIPTION

- We use only renewable raw materials:
Paper fibres, cellulose, ECF-bleached pulp, wood pulp
- FSC® or PEFC certified
- 100 % recyclable
- Easy & cost-effective disposal as waste paper
- Environmentally friendly & sustainable alternative to plastic sheets



S U S T A I N A B I L I T Y

PRODUCT OVERVIEW

									
KROMA® Displayboard	✓	optional	-	-	-	-	-	✓	✓
KROMA® Kraft	✓	-	✓	✓	-	-	-	✓	✓
KROMA® Natural White	✓	-	✓	✓	-	-	-	✓	✓
KROMA® Outdoor	✓	-	-	-	-	-	-	✓	✓
KROMA® All Black	-	✓	-	-	✓	-	-	✓	✓
KROMA® All White	-	✓	-	-	-	-	✓	✓	✓
KROMA® Inkjet Pro	-	✓	-	-	-	-	-	✓	✓
STUDIOCARD® 2S	-	✓	-	-	-	-	-	✓	✓
STUDIOBOARD®	-	optional	-	-	-	-	-	✓	✓
EKA Board	✓	optional	✓	✓	-	✓	-	✓	✓

* Isega-certified for contact with dry, non-fatty foodstuff and toys

WASTE MANAGEMENT

WASTE TYPES AND SEPARATION

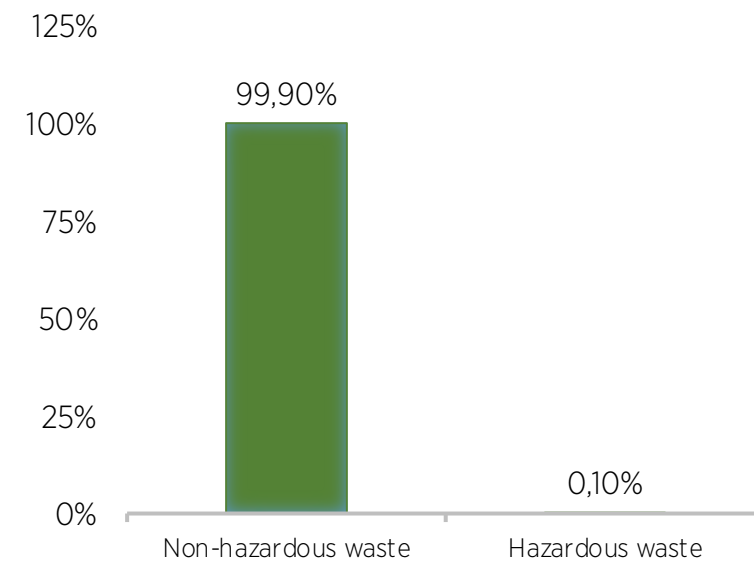
Through consistent waste separation, we reintroduce recyclable materials into the recycling loop.

Waste that cannot be recycled by us and is defined as hazardous waste according to the European Waste Directive (EWD) is evaluated by us, sorted in a pure form, and handed over to specialized incineration facilities and collection points for disposal.

WASTE TYPES IN TONS

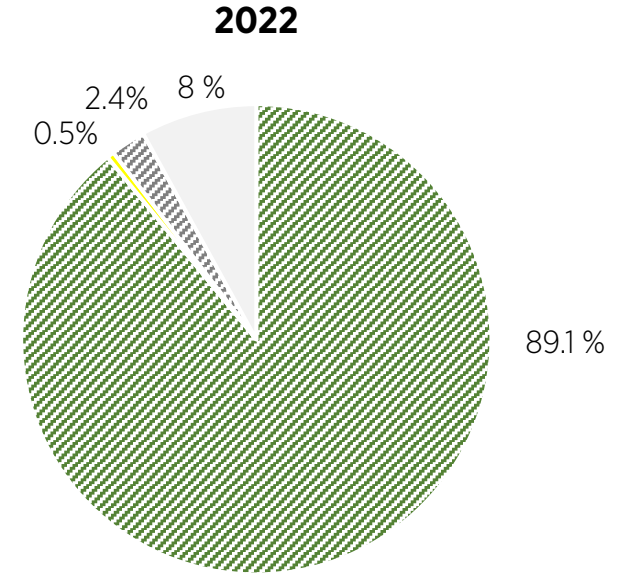
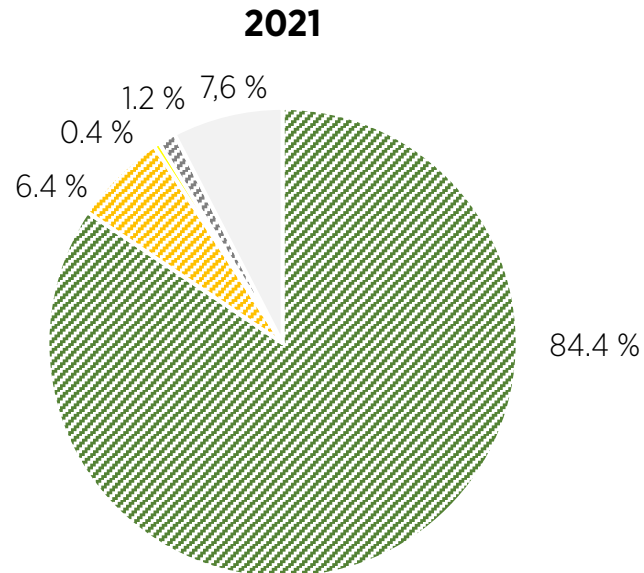
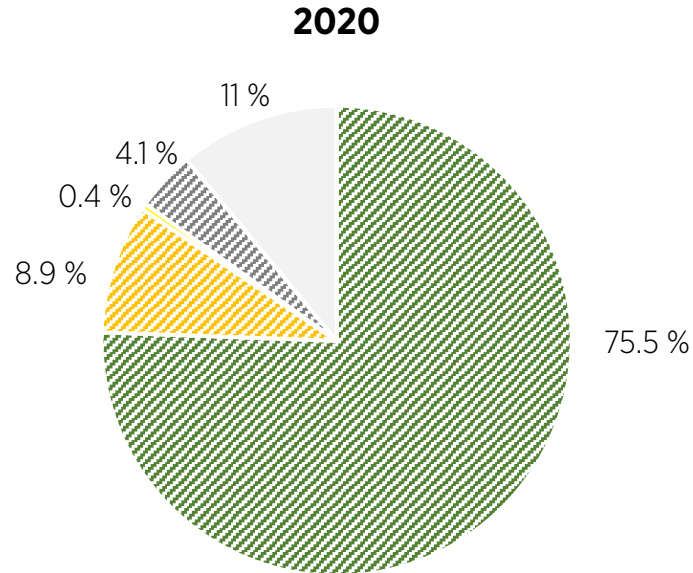
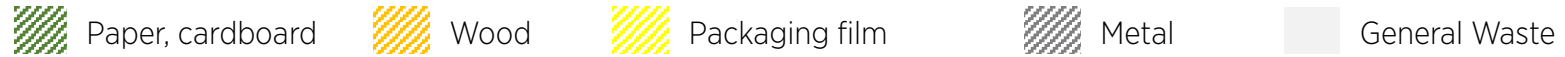
	2020	2021	2022
Paper, cardboard	513	566	610
Wood	61	43	0
Packaging film	3	3	3,4
Metal	28	8	16
General waste	75	51	51
Hazardous waste	-	1,3	0,7

RATIO IN 2022



MATERIAL RECYCLING

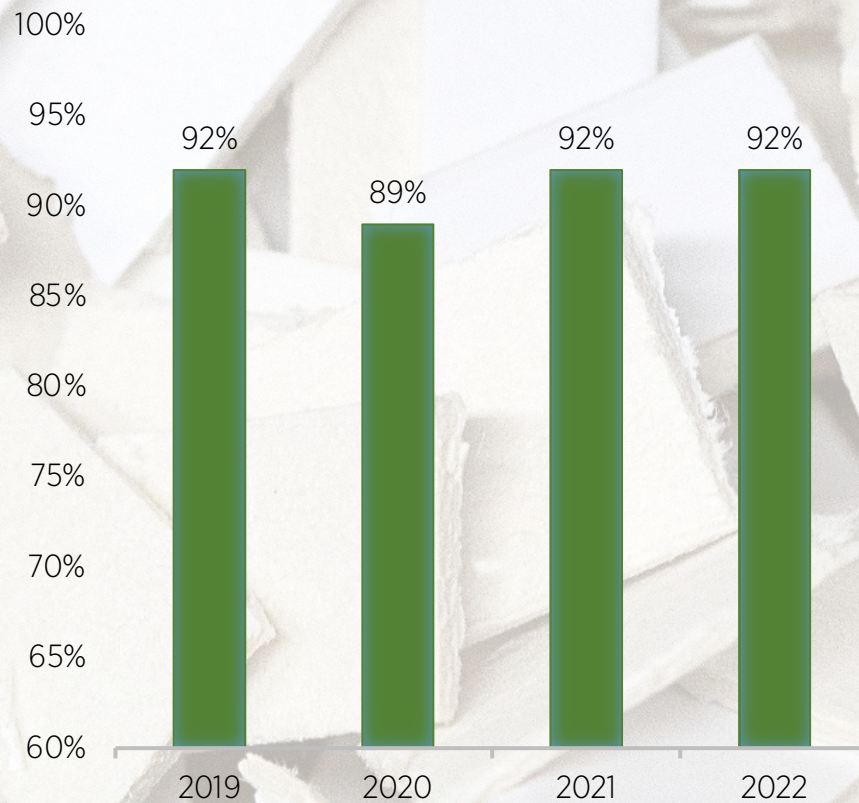
Percentage of waste types (excl. hazardous waste):



S U S T A I N A B I L I T Y

RECYCLING RATE

RECYCLING RATE IN %



On average

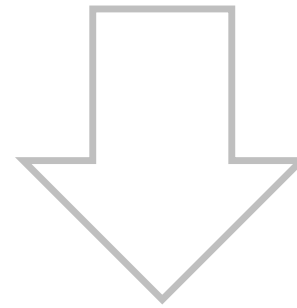
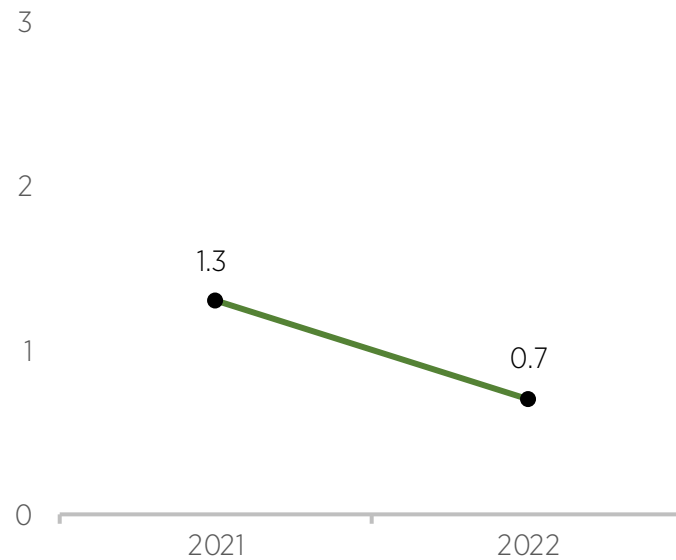
91%

of our recyclable waste has been recycled in the last 4 years.

S U S T A I N A B I L I T Y

HAZARDOUS WASTE

HAZARDOUS WASTE IN TONS



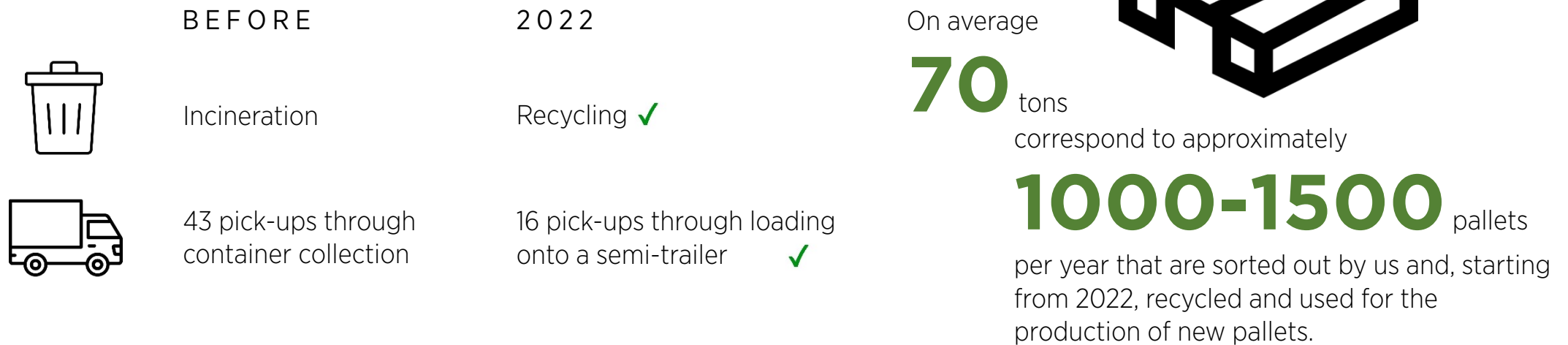
-50%

Reduction of
Hazardous waste
from 2021 to 2022

S U S T A I N A B I L I T Y

PALETTES RE-USE

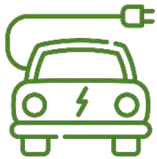
Since 2022, we have been working with Greenport Pallets, a company that builds new pallets from our discarded ones. This way, we give our waste a new life and also save on CO2 emissions and costs.



RESOURCES

SUSTAINABLE MEASUREMENTS

We continuously work towards saving energy, thus operating in a more resource-efficient and cost-effective manner.



Transitioning our fleet to electric vehicles



Switching to paper-based packaging tape instead of plastic for selected products and packaging



E-Bike (JobRad Leasing)



Switching to paper-based delivery note pouches instead of plastic for all packages



Installation of wallboxes (charging stations)



Introduction of digital tools such as absence.io, Trello, SharePoint, etc., to minimize energy and resource consumption



New rules for energy conservation (heating, air conditioning, electricity, etc.)



Conversion of our halls to energy-efficient LED lighting

S U S T A I N A B I L I T Y

RENEWABLE ENERGY

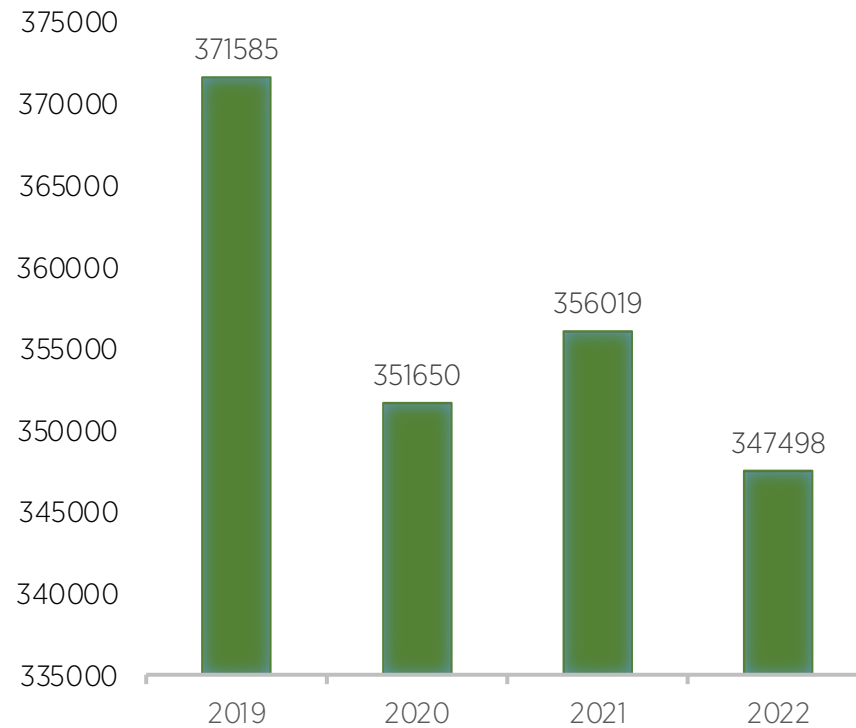
We get **100% green** electricity from certified hydropower and also produce **up to 300,000 kWh of solar power** p.a. with our photovoltaic system, which corresponds to **over 84%** of our annual electricity needs.

In this way we contribute to climate protection and the expansion of renewable energies.



POWER CONSUMPTION

POWER CONSUMPTION IN KWH



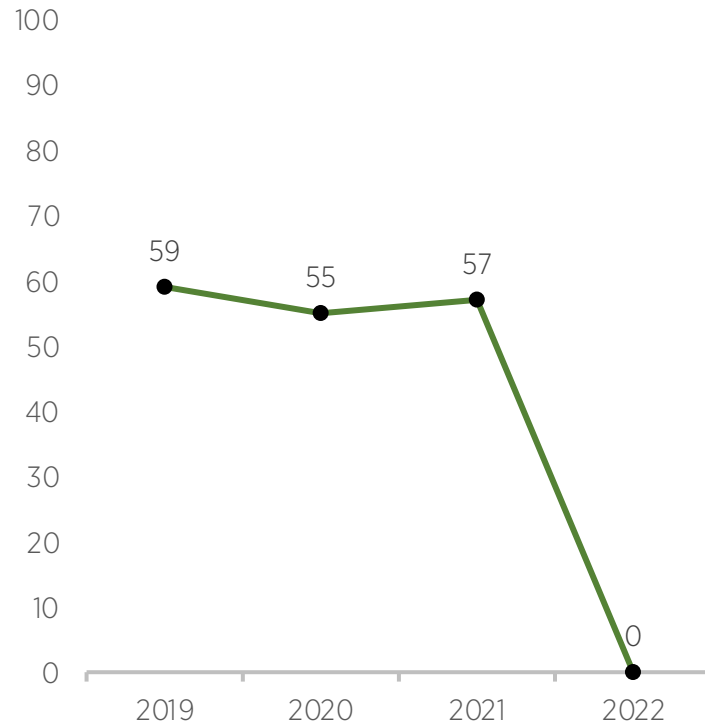
-7%

Reduction of power consumption since 2019

S U S T A I N A B I L I T Y

CO2 EMISSIONS

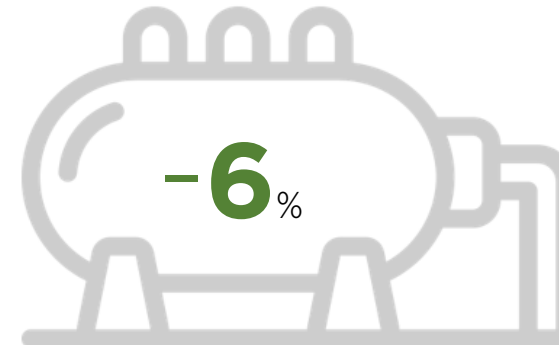
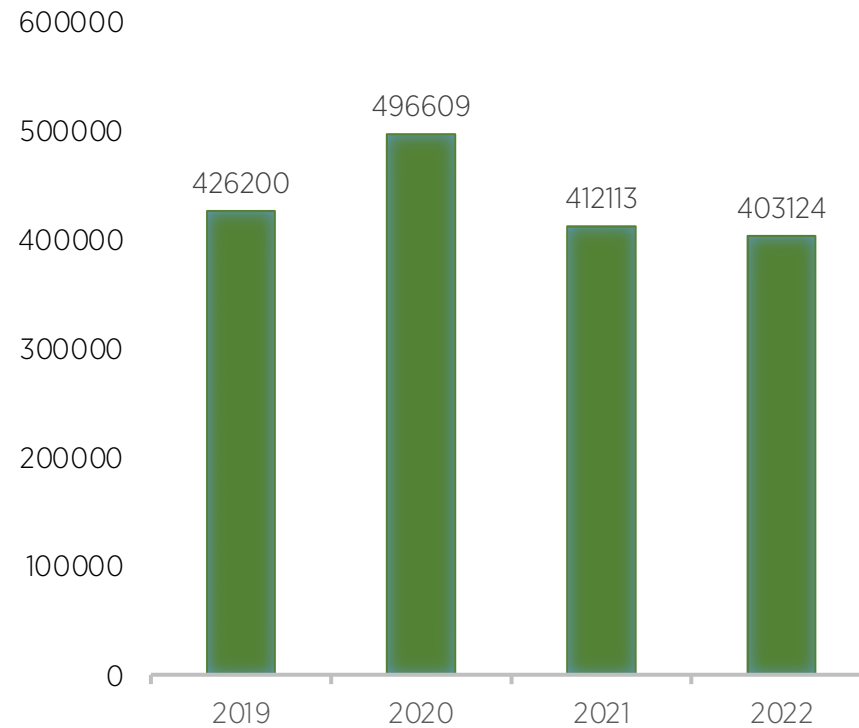
CO2 EMISSIONS IN TONS



Reduction in CO2 emissions since 2022 due to the switch to purchasing renewable energy.

POWER CONSUMPTION

GAS CONSUMPTION IN KWH

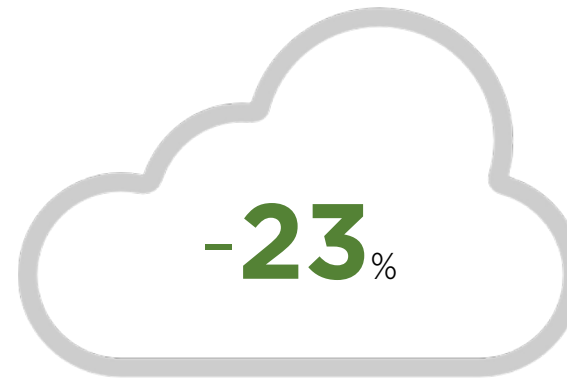
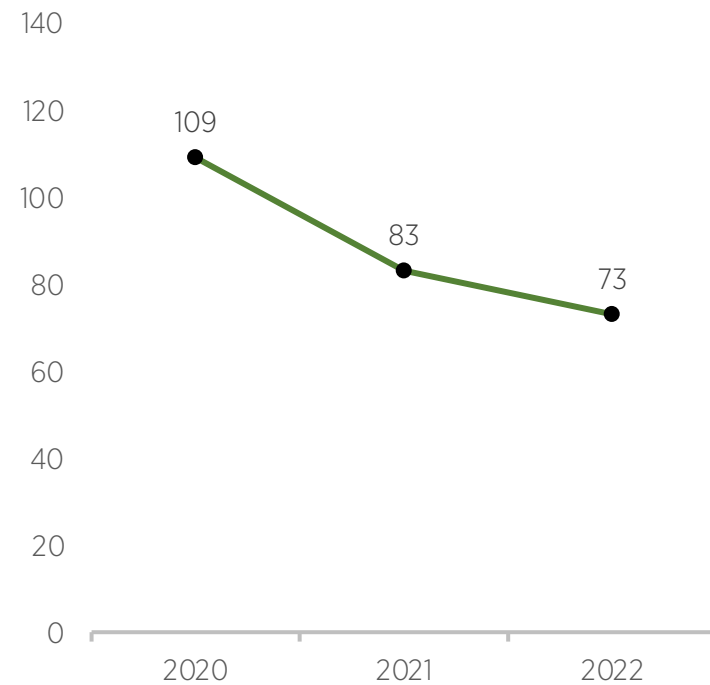


Reduction of gas consumption
since 2019

S U S T A I N A B I L I T Y

CO2 EMISSIONS GAS

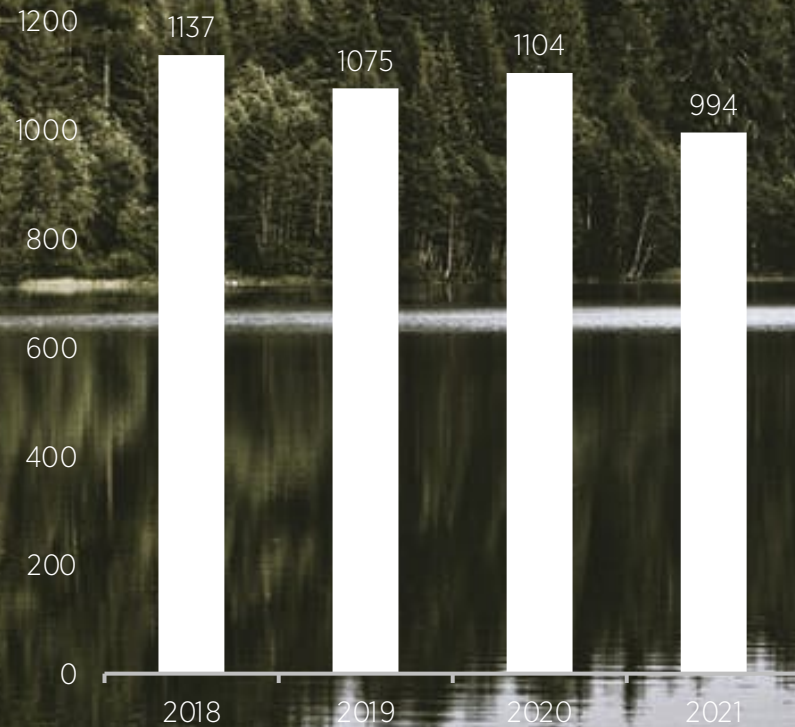
CO2 EMISSIONS IN TONS



CO2 emission savings since 2020

S U S T A I N A B I L I T Y

WATER CONSUMPTION

WATER CONSUMPTION IN M³

About

-11%water savings since
2018

Annual values for water consumption are not communicated to us until the middle of the following year. Therefore, no values for 2022 can be published yet.

GOALS

PROJECTS FOR THE FUTURE

TARGET FIELD	MEASURES	REALISATION PLANNED
<p>Employees</p> <p>Health care</p>	Purchase and installation of defibrillators	2023
<p>Employees</p> <p>Survey Satisfaction</p>	Introduction of anonymous employee surveys	2023
<p>Products</p> <p>Review of packaging optimization</p>	Analysis of optimization opportunities for product packaging and implementation of improvement measures	2023
<p>Company</p> <p>Improvement of environmental rating</p>	Handling and implementation of additional actions to improve the Ecovadis status from Bronze to Silver	2023
<p>Climate protection</p> <p>Supporting the use of electro mobility</p>	Installation of additional charging stations throughout the company premises	2024

SUSTAINABLE AT HEART
CREATIVE IN MIND
INNOVATIVE IN ACTION

KOHLSCHEIN SINCE
1932

KOHLSCHEIN GmbH & Co. KG | Feldstraße 9 | 41749 Viersen | info@kohlschein.de | [KOHLSCHEIN.COM](https://www.kohlschein.com)