

DEVELOPMENT.
PACKAGING.
LOGISTICS.

INNOVATION SINCE 1968

LIEBENSTEINER 
KARTONAGENWERK

CONTENT

(interactive)

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SUSTAINABILITY. ENVIRONMENTAL AND CLIMATE PROTECTION

2024



LIEBENSTEINER KARTONAGENWERK

Step by step into the future.

OUR PRINCIPLES

Innovative **solutions** in corrugated cardboard packaging, combined with high **delivery flexibility**, **sustainability** and **reliable logistics** for a variety of industries.



OUR PERFORMANCE

Development

We develop customized corrugated cardboard solutions for packaging, transport and storage.

Packaging

We produce high-quality solutions in a sustainable manner.

Logistics

We manage 74.000 pallet spaces in our high-bay warehouses and maintain our own fleet with more than 50 vehicles.

ENTWICKLUNG. VERPACKUNG. LOGISTIK.

**OUR PROMISE:
SUSTAINABLE
RAW MATERIAL**



SUSTAINABLE RAW MATERIAL

Innovative. Efficient. Versatile.

We use resource-optimized **NEXTBOARD®** corrugated cardboard in about 98 %

Next-Box® - NEXTBOARD® - a new generation of corrugated cardboard

- Slim and light – with the same stability
- Less water consumption during production
- Less material consumption
- Reduced CO₂-Emissions



„pro“ climate balance
Scope 3 / 1. Purchased goods

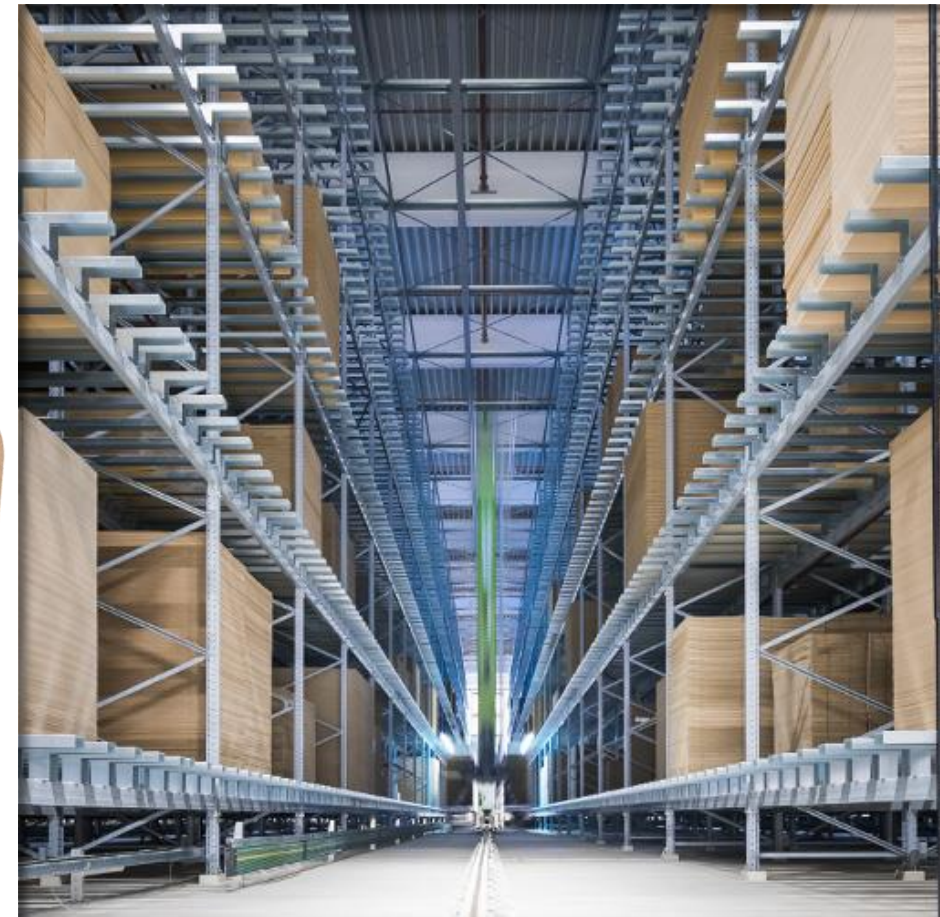
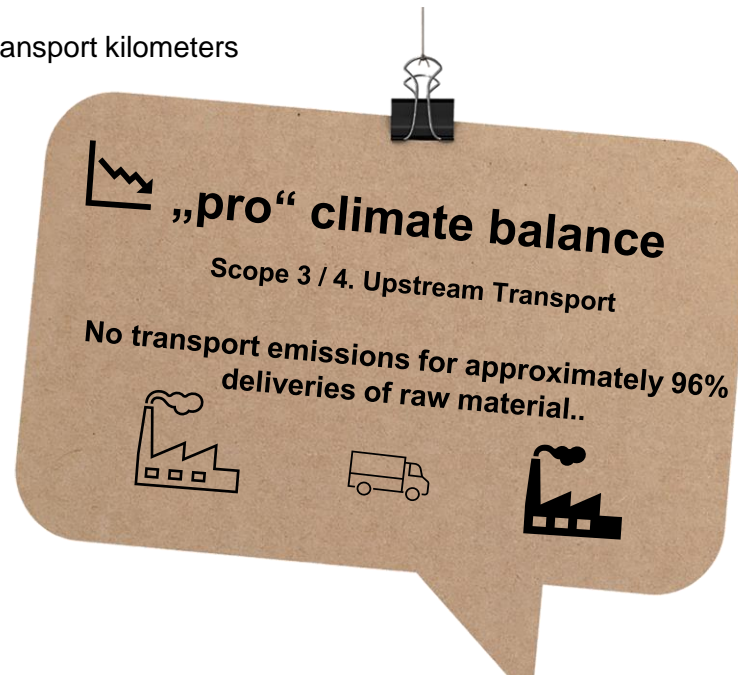
The new generation of corrugated cardboard has a positive impact on our climate balance – we conserve resources and reduce CO₂-emissions by up to 15%!

SUSTAINABLE RAW MATERIAL

Innovative. Efficient. Versatile.

Our strategic partner **Progroup AG** produces our raw material directly on our premises! A significant advantage for our ecological footprint:

- We actively avoid CO2-emissions
- We create efficiency through intelligent technologies with our suppliers
- We save resources through our order-specific deliveries
- We protect the environment by reducing transport kilometers



SUSTAINABLE RAW MATERIAL

Innovative. Efficient. Versatile.



Our packing solutions – a role model in the **circular economy!**

Depending on our customer requirements , we process up to **100% recycled material:**

- Corrugated material (100% recycled paper content)
- Testliner (100% recycled paper content)
- Kraftliner-Substitute (100% recycled paper content)
- Kraftliner / Kraftliner white (high proportion of fresh fiber)

We find a suitable solution for every product requirement!

SUSTAINABLE RAW MATERIAL

We process innovative corrugated cardboard and **reduce emissions continually**.

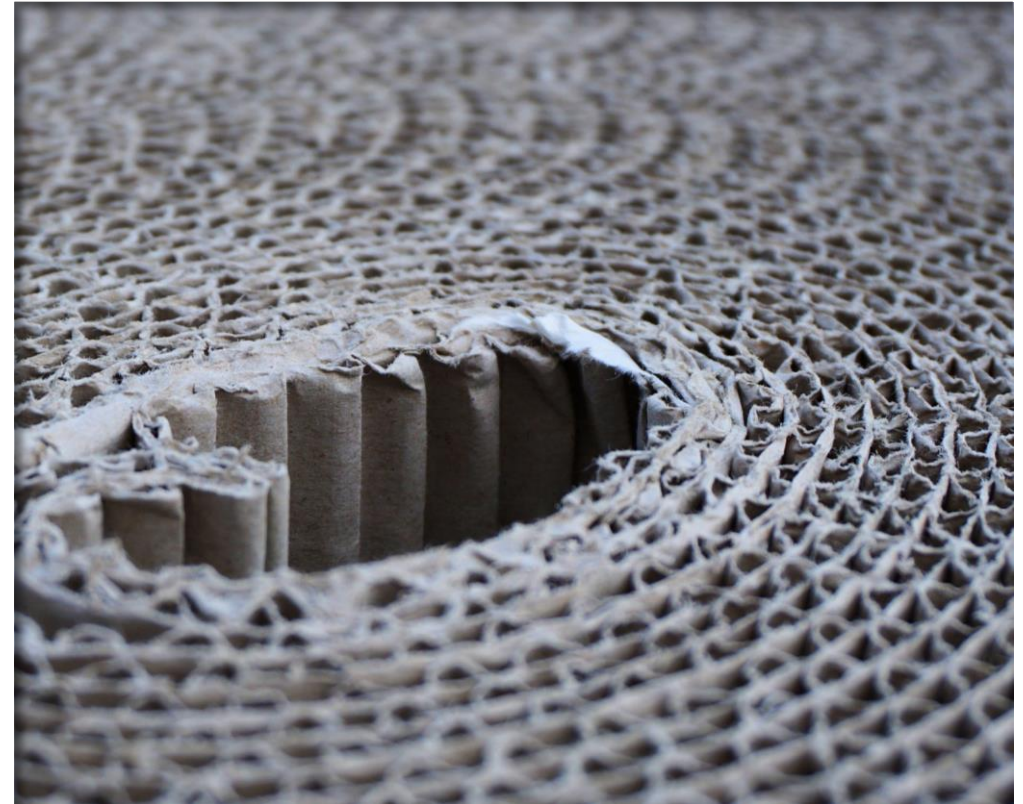
- We use our resources efficiently
- We offer versatile solutions in the field of circular economy

=> We also demand this from our suppliers!

The **Forstes Stewardship council** ® is the most reliable organization for ensuring the essential environmental and social standards as well as sustainability in forestry.

Compliance with human rights in the supply chain, reducing environmental impacts and avoiding emissions to protect the climate are important values.

We have been processing **FSC® certified raw materials** (FSC-MIX 70%) since 2017.



OUR PROMISE: SUSTAINABILITY IN PRODUCTS AND PROCESSES



CERTIFIED ENERGY MANAGEMENT

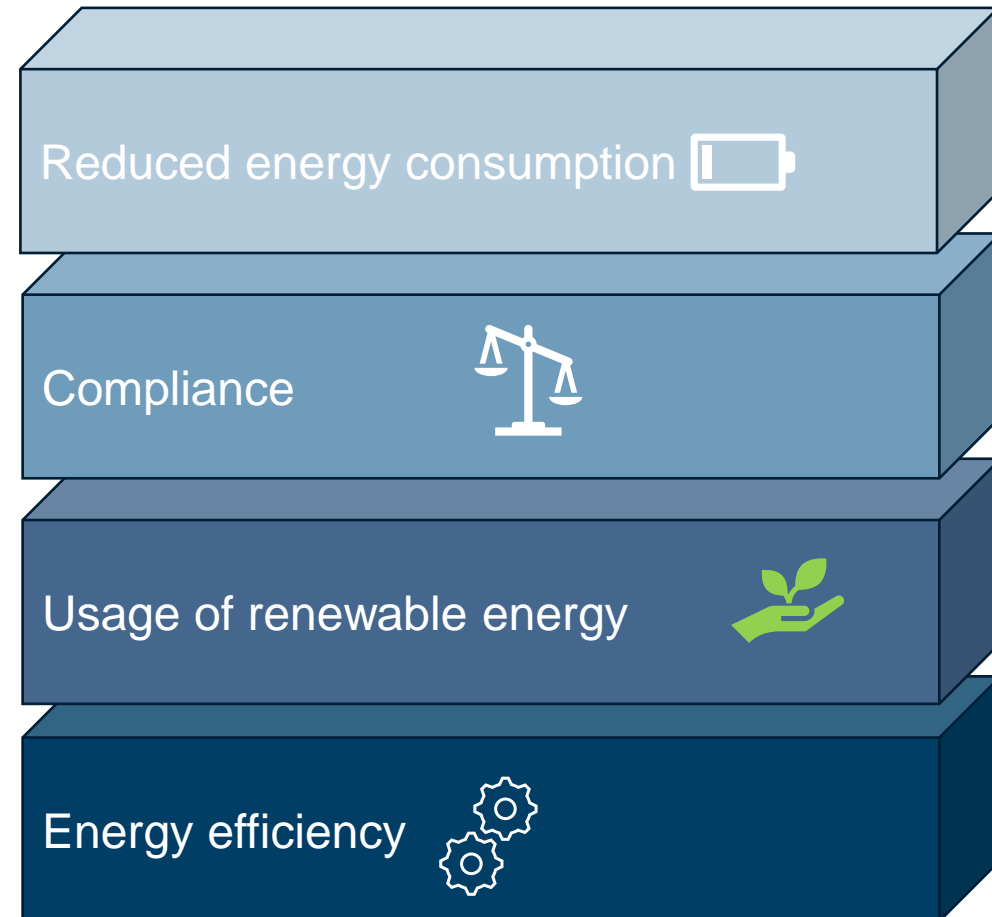
With a total annual amount of more than 20 gigawatt-hours (electricity, diesel & heating oil), energy consumption is one of our most significant environmental aspects.

- Climate protection
 - Federal and EU requirements
- ultimately the economic viability of our company pose a major challenge.

In order to meet and fulfill all of these requirements, we have been **certified** according to the international standard in **energy management DIN EN ISO 50001 since 2014**.



Strategic planning and implementation of energy efficiency measures help us to achieve our own goals, but also those of our stakeholders.

ENTWICKLUNG. VERPACKUNG. LOGISTIK.

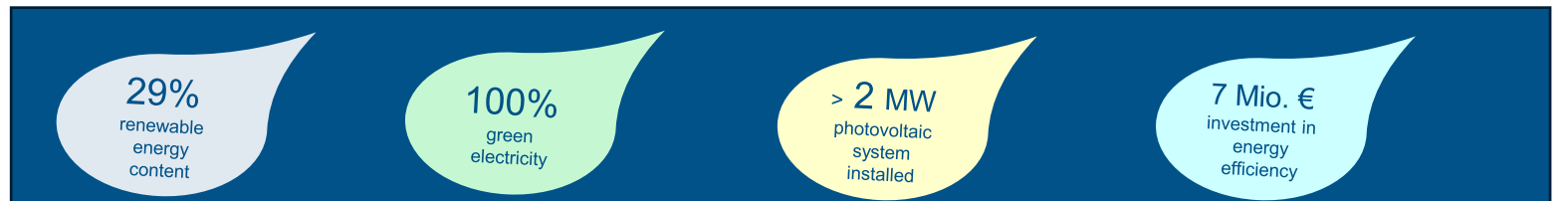
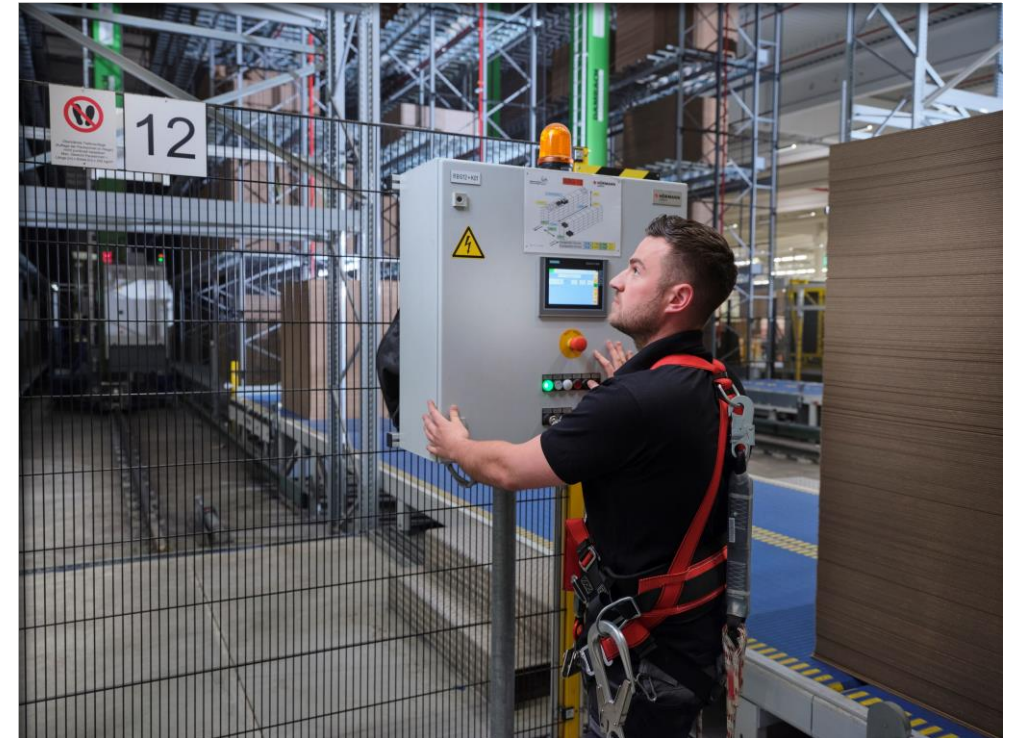


OUR ENVIRONMENT IS IMPORTANT FOR US!

Our way to reach climate neutrality requires the greatest possible abandonment of fossil fuels. In 2023 we decided to implement a modern thermal energy concept:

-  We utilize the **waste heat** from operating our compressors to heat our entire production hall of around 60.000 m²
-  We rely on renewable energy sources to heat our offices and extract heat from wood pellets in our newly installed heating system

=> **These measures help us to actively avoid climate-harming emissions.**



CERTIFIED ENVIRONMENTAL MANAGEMENT

Our industrial company is located in the heart of the upper Palatinate Forest in the North of Bavaria. The driving force for operational environmental and climate protection is our value perception.

In addition to legal requirements and the growing demand from our customers, our own goals are to continuously improve our environmental performance.

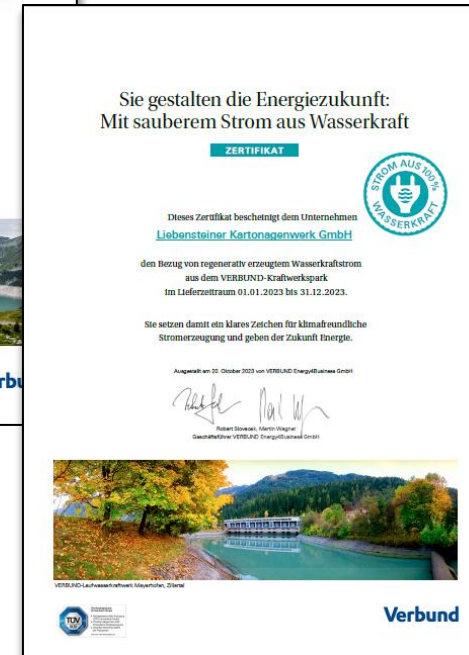
In our environmental management we overcome countless issues and challenges. We have been certified according to the international standard **environmental management DIN EN ISO 14001 since 2014.**



WE CARE ABOUT OUR ENVIRONMENT

Since 2020 we have been covering our entire electricity demand with **certified hydroelectric power.**

„pro“ climate balance
Scope 2 purchased energy
Through certified green electricity
„carbon neutral in balance sheet“



WE CARE ABOUT OUR ENVIRONMENT

Since 2023 have supported the UN Global Compact – our operational environmental goals align with the UN sustainability goals in the fields of society, human rights, equality, water, climate and environmental protection. Our sustainability goals in connection with the 17 SDGs of the United Nations are:

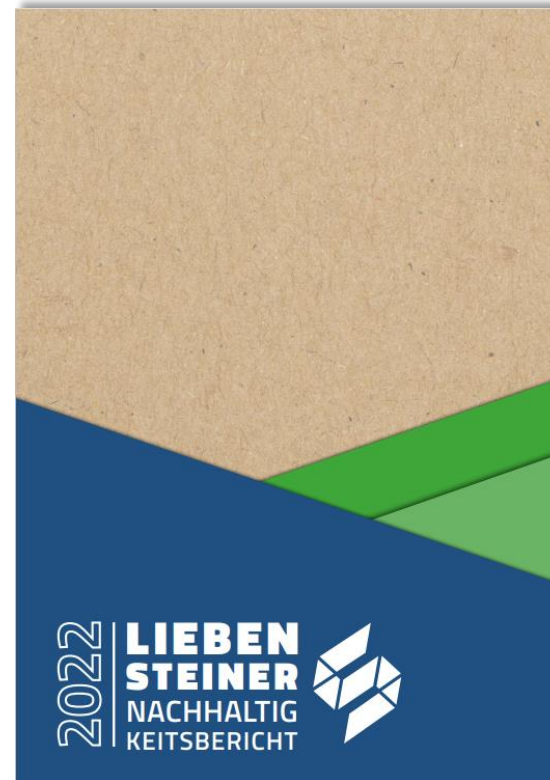
UN SDG's			
	Our active health management promotes prevention and risk minimization and serves the early detection of serious illnesses.		We secure jobs in a structurally weak region, offer gender- and age-independent employment and attach great importance to occupational health and safety.
	We promote education for sustainable development in the areas of health, nutrition and climate protection through company projects.		We are part of the circular system - our product achieves a recycling rate of 100% and we continually improve resource consumption.
	Equality and equal opportunities are firmly anchored in our corporate culture at all operational levels.		We stand for transparency and actively look for solutions to avoid, reduce or compensate for climate-harming emissions that are harmful to the climate.
	We are continually improving our energy consumption through active energy management and are already using renewable energies today to achieve climate neutrality by 2050.		Sustainability right from the start of value creation is very important to us. Our corrugated cardboard is certified and comes from sustainable forestry.



WE CARE ABOUT OUR ENVIRONMENT

Climate change is casting its shadow ahead - we at Liebensteiner know that we can only achieve the transformation towards climate neutrality by working together with our suppliers and partners. Therefore, transparency is the key to success for us.

For the financial year 2022 we are voluntarily publishing our first **sustainability report** in accordance to the European Sustainability Reporting Standards (ESRS).



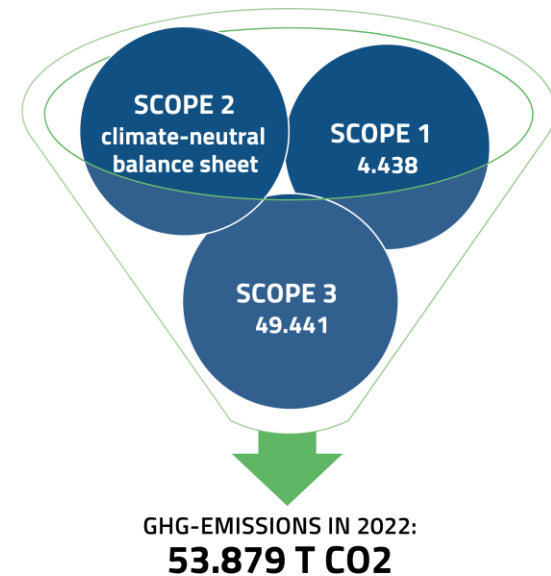
WE CARE ABOUT OUR ENVIRONMENT

We have already reached the first **milestone** on the path to climate neutrality.

We evaluate our Scope 2 from **purchased**

energy in our carbon footprint according to the **Greenhous Gas Protocol (GHG)** in a **climate-neutral** manner. 2

The climate balance for the financial year 2023 will be published in the second quarter of 2024.

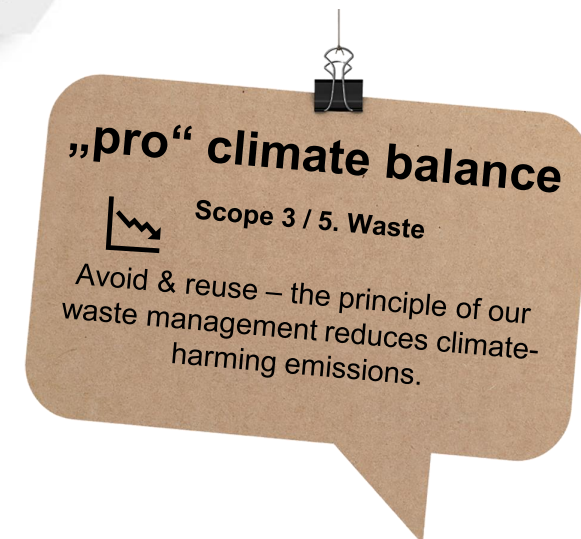


OUR ENVIRONMENT – OUR CLIMATE – OUR FUTRUE

Circular economy.

As part of our waste management, we rely on the principles of the waste hierarchy in accordance with the EU Waste Framework Directive (RL2008/98/EC). Our waste balance currently shows a separate collection rate of 99,5% (2022).

- 100% of our corrugated cardboard waste in production is recycled
- 100% of our plastic waste is collected and recycled
- 100% of our cardboard boxes are recyclable



OUR ENVIRONMENT – OUR CLIMATE – OUR FUTURE



Our own Liebensteiner logistics sets particularly high demands on our sustainability management. In our energy project and fleet management, we are constantly looking for new solutions.

renewable energy

suitable infrastructure

economical energy efficiency

software-supported energy management solutions

The aim is the long-term reduction of consumption or the avoidance of fossil fuels through the use of modern technologies.

OUR PROMISE: RESPONSIBILITY



sustainability organization

mangement directors
Marion Forster & Bernhard Schön jun.

energy
management

environmental
management

occupational
safety

compliance

health
management

Manuel Oppl

Karo Wenisch

Karo Wenisch

safety
specialist
Bernhard
Pfleger
(external)

Alexandra
Burger

Janina Zeus

Liesa Weiß

Development

Purchasing

Production

Sales

Organization

Maintenance

Logistics

IT