



# Sustainable by Nature. And Beyond.

2022 SUSTAINABILITY REPORT UPDATE TO  
THE 2021 COMPREHENSIVE REPORT



**400+**  
LOCOMOTIVES

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**RACE TO ZERO**  
SCIENCE-BASED TARGETS

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**8**  
OFFICE PRESENCE IN 8 COUNTRIES

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**EMPLOYEE SATISFACTION**  
4.47/5

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**> 1.2 MIO. TONS OF CO<sub>2</sub>-SAVINGS THROUGH OUR FLEET**

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**EcoVadis SILVER MEDAL**

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**AVERAGE LOCOMOTIVE AVAILABILITY >96%**

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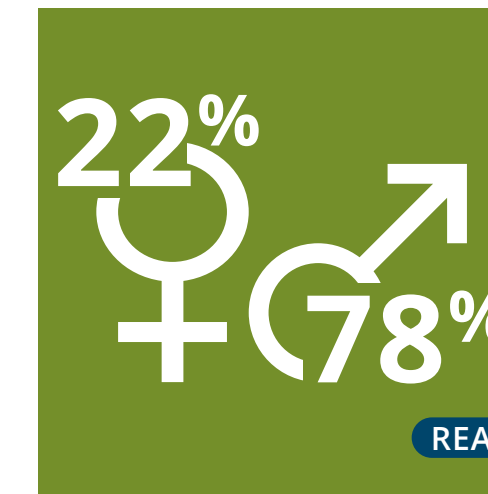
**GRESB 94 POINTS**

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**6 OWN WORKSHOPS**

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**22% FEMALE 78% MALE**

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**201 EMPLOYEES**

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**>1 BILLION GREEN FINANCINGS**

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**ISO 9001, ISO 14001, ISO 45001, ECM**

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**LOST TIME INJURY FREQUENCY RATE (LTIFR) 1.92**

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**0 NON-COMPLIANCES**



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**TCFD-REPORTING**

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## EDITORIAL

Dear Reader,

2022 marked a year of growth for RAILPOOL – and our commitment to sustainability has been growing corresponding to our ongoing expansion.

We have improved on our last year's GRESB-rating result, we have received a top placement in the EcoVadis rating and we have proudly launched Race to Zero by setting science-based targets as the sustainable first mover in global rail industry. The solid foundation to all these achievements, however, is built with the remarkable investment and the effective measures that RAILPOOL takes along with the rigorous support of all our employees.

The 2022 update to the RAILPOOL sustainability report in combination with the 2021 baseline will give you all the data and insight needed to understand our approach and our courageous value creation story.

Ingo Wurzer  
CFO

Torsten Lehnert  
CEO

Should you have any valuable ideas or concerns to share with us, please do so under [sustainability@railpool.eu](mailto:sustainability@railpool.eu).

## About Railpool

RAILPOOL is one of the leading railway vehicle leasing companies offering real expertise for full service from a single source. Corporate ecological and social responsibility is rooted within the core of our business model ever since our foundation in Munich in 2008.

Looking only at 2022, however, we made significant progress towards an even more sustainable business. We set first remarkable science-based targets to decrease our direct emissions and committed to the global race to zero initiative. Our efforts were honored with an EcoVadis silver medal and a GRESB 5-star-rating. But our journey has just started.

Our office locations in meanwhile eight countries, six own workshop locations throughout Europe and an ever-increasing number of qualified employees are all set to continue to keep in pace with our challenging sustainability and social responsibility goals.

RAILPOOL is operating in 18 countries and is one of the largest providers in Europe with more than 440 locomotives and 148 passenger vehicles (and an investment total of 1.9 billion euros)\*. The RAILPOOL fleet covers 85,000,000 kilometers every year and makes an important contribution to the modal shift to rail. RAILPOOL has its own warehouse with more than 3,100 different spare parts and components.

**RAILPOOL**  
**Flexibility For Rent**

\* April 2023

## 2022 Highlights of The Year

APR	First sustainability report published
MAY	Re-financing through green financings
JUN	EcoVadis silver medal
AUG	Acquisition of Nordisk Togteknikk workshops in Norway and Sweden
SEPT	Science-based targets and Race to Zero
SEPT	New office presence in Poland
OCT	GRESB 5-star-rating
DEC	Groundbreaking for the rebuilding of Hamburg Billbrook workshop

# RACE TO ZERO

## Race to Zero/ Science-based targets

### A SUSTAINABLE FIRST MOVER

Being the first company in the rail industry worldwide that has approved short- and long-term science-based targets in accordance with the Paris Climate Agreement to keep global warming below 1.5°C, we have set the pace for change. Climate protection has always been written into our DNA and with this commitment to reduce our emissions to Net Zero by 2050, we solidify our ambitions to reduce our environmental impact and help push the world towards a greener future.

At Railpool we want to lead by example and thus it was natural to align our business goals with the latest climate science. We will reduce our own emissions by 42% until 2030 by switching to renewable energy, producing some of our own energy, reducing the amount of gas we use for heating and switching to more efficient cars in our vehicle fleet. Furthermore, we are increasing our fleet of electric and bi-mode locomotives which aids to speed up the transition in the transport sector. Read more on our target milestones on the next page.

The Science-based targets initiative (“SBTi”) is a partnership between CDP, the United Nations Global Compact, World Resources Institute (WRI) and the World Wide Fund for Nature (WWF). Science-based targets show companies and financial institutions how much and how quickly they need to reduce their greenhouse gas emissions to prevent the worst effects of climate change and to align emissions with a 1.5° pathway. By setting Science-based targets companies may join the UN campaign “Race to Zero”.

SUSTAINABLE BUILDING BLOCKS

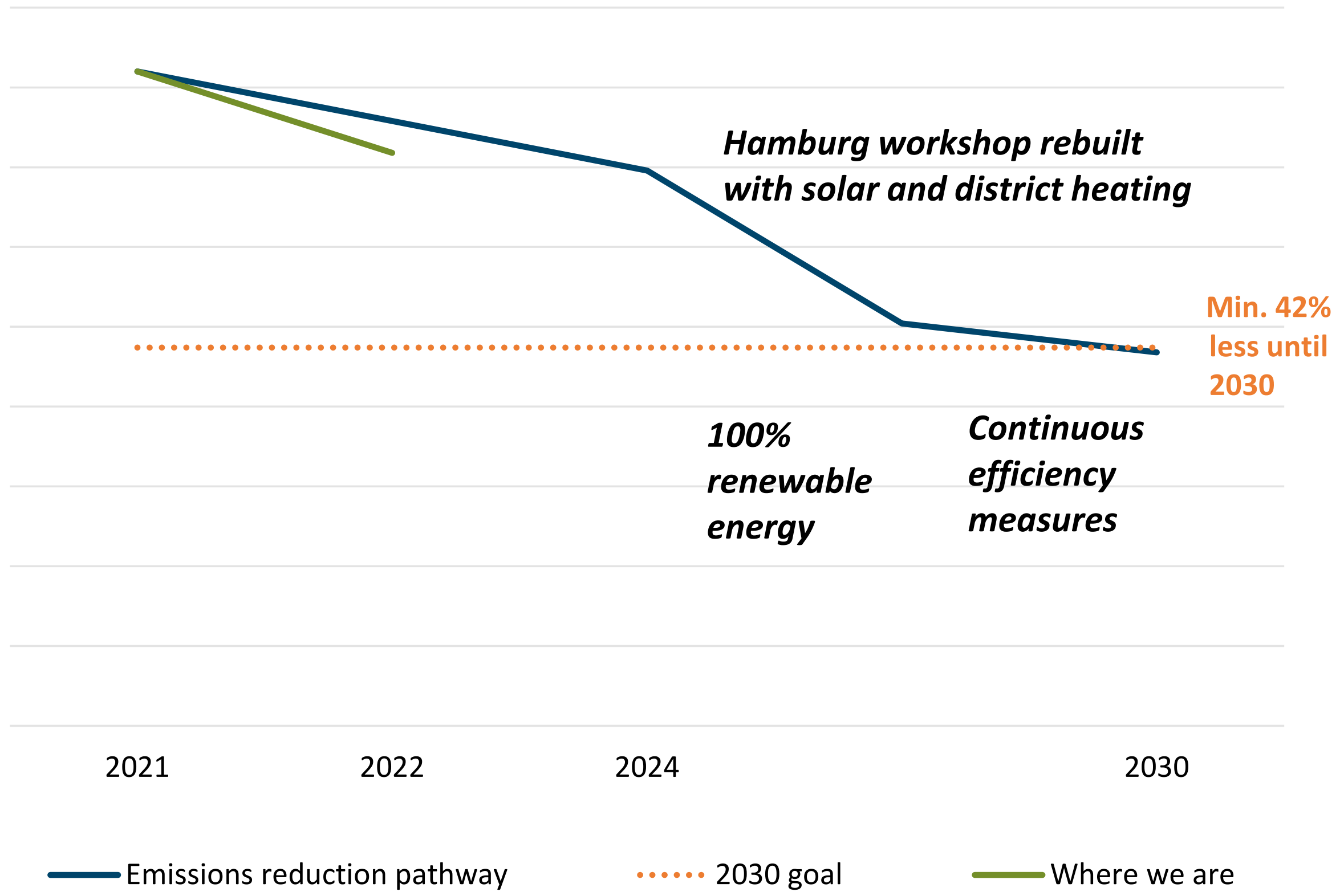
# 2024

A new workshop for Railpool Lokservice GmbH & Co. KG with a total floor space of approximately 4,000m<sup>2</sup> is being built at the Hamburg Billbrook site. The energy efficient construction will be finished in 2024 and fitted with photovoltaic system and district heating, amongst other measures for an environmentally friendly and future-proof workshop site.

# 2025 onwards

All Railpool locations will use renewable electricity and slowly reduce the internal CO2 limit of their car fleet along with larger availability of car models. Efficiency measures in heating, use of electricity and material consumption will be part of Railpool's sustainability transformation comprising initiatives around energy, waste and water.

# How will we reduce our footprint by 42% until 2030?



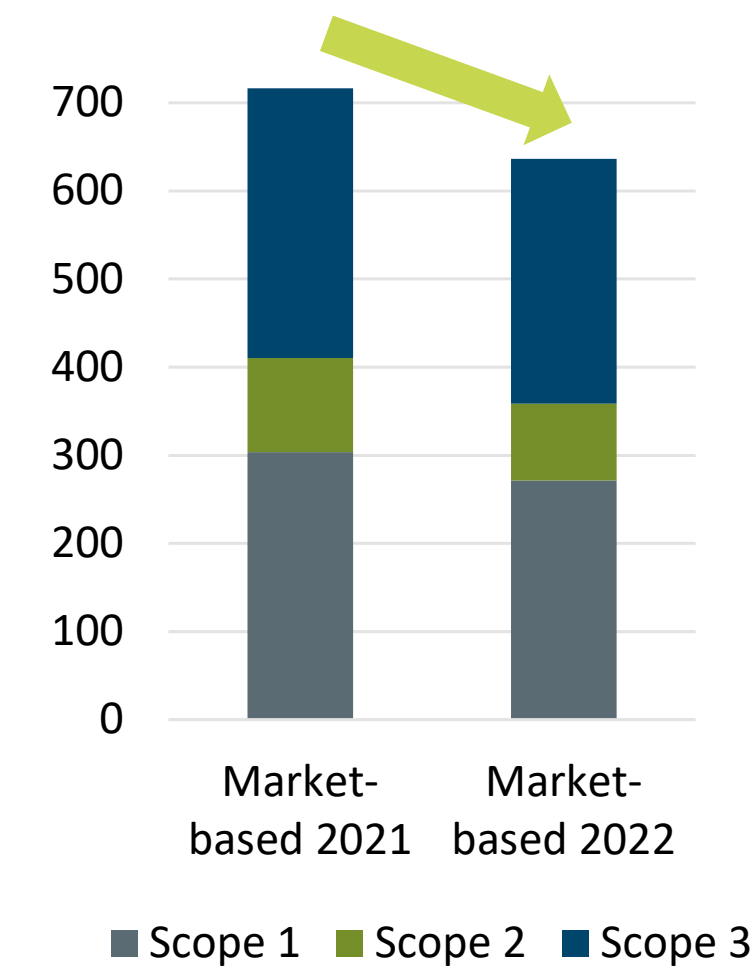
## Carbon footprint

### CO<sub>2</sub> EMISSIONS EXCLUDING LOCOMOTIVES IN tCO<sub>2</sub>e

In 2022 we managed to reduce our direct CO<sub>2</sub> emissions by 51 tons, which equals 12%. This was partly due to some efficiency measures, but also due to the demolition of our Hamburg workshop, which is being rebuilt considering environmental measures.

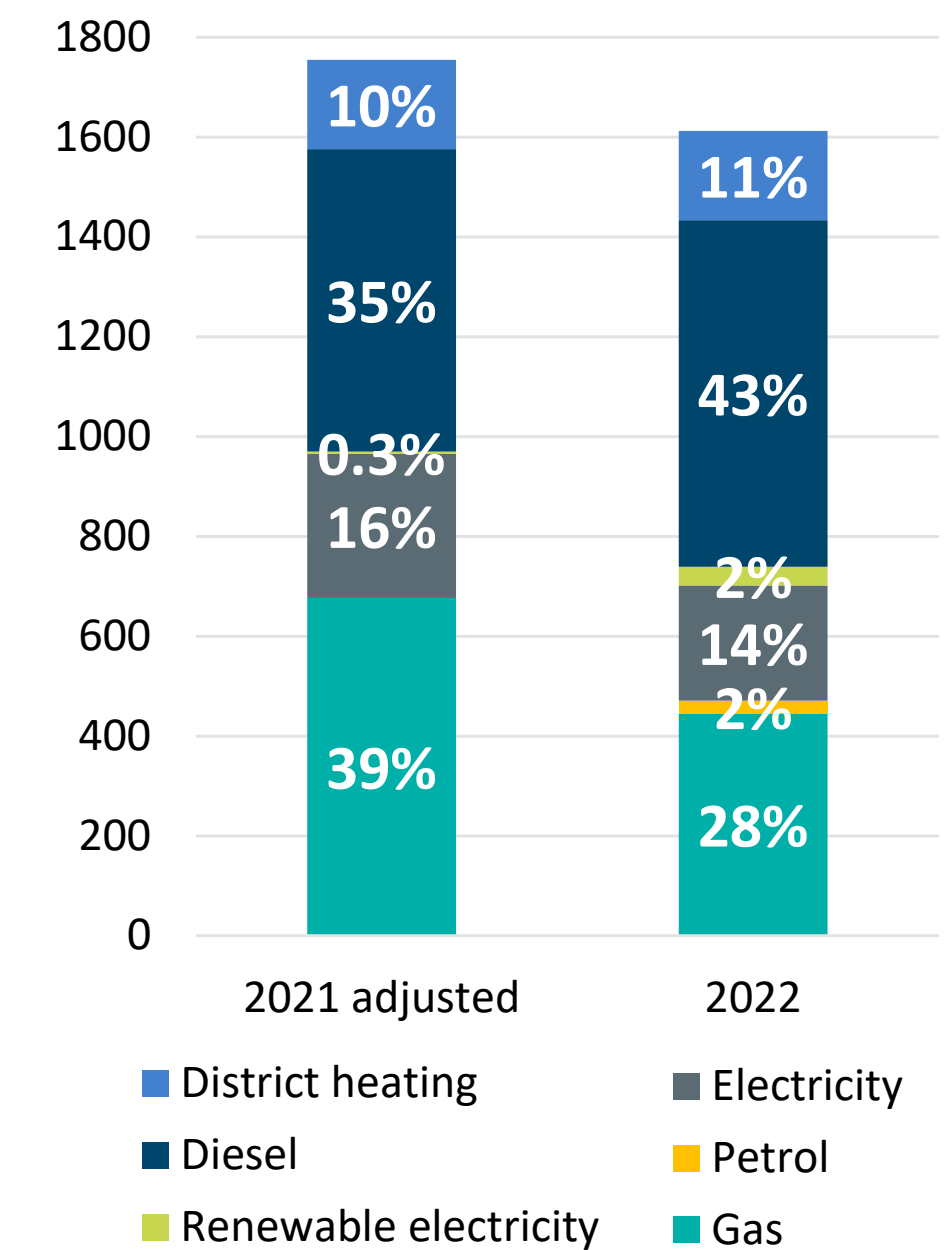
We have successfully expanded our carbon inventory to more locations and more indicators. In 2022 we have calculated Scope 1 (cars and stationary combustion) and Scope 2 (electricity, district heating) emissions, as well as Scope 3 (waste, employee commuting and business travels, well to tank fuels "WTT", purchase goods and services) for 8 locations\*.

\* Hamburg Billbrook, Hamburg Altenwerder, Duisburg, Munich, Gräfelfing, Cologne, Savona, Vienna



### ENERGY CONSUMPTION TOTAL IN MWh

Our overall energy consumption has decreased by 8% and the CO<sub>2</sub> intensity of the energy used has also decreased at the same time by 5%. The renewable electricity used has increased 7-fold and now makes up 2% of overall energy consumption. Water and waste are also important environmental indicators for us. Water use has almost stayed the same, while waste has increased due to the demolition of the Hamburg workshop.





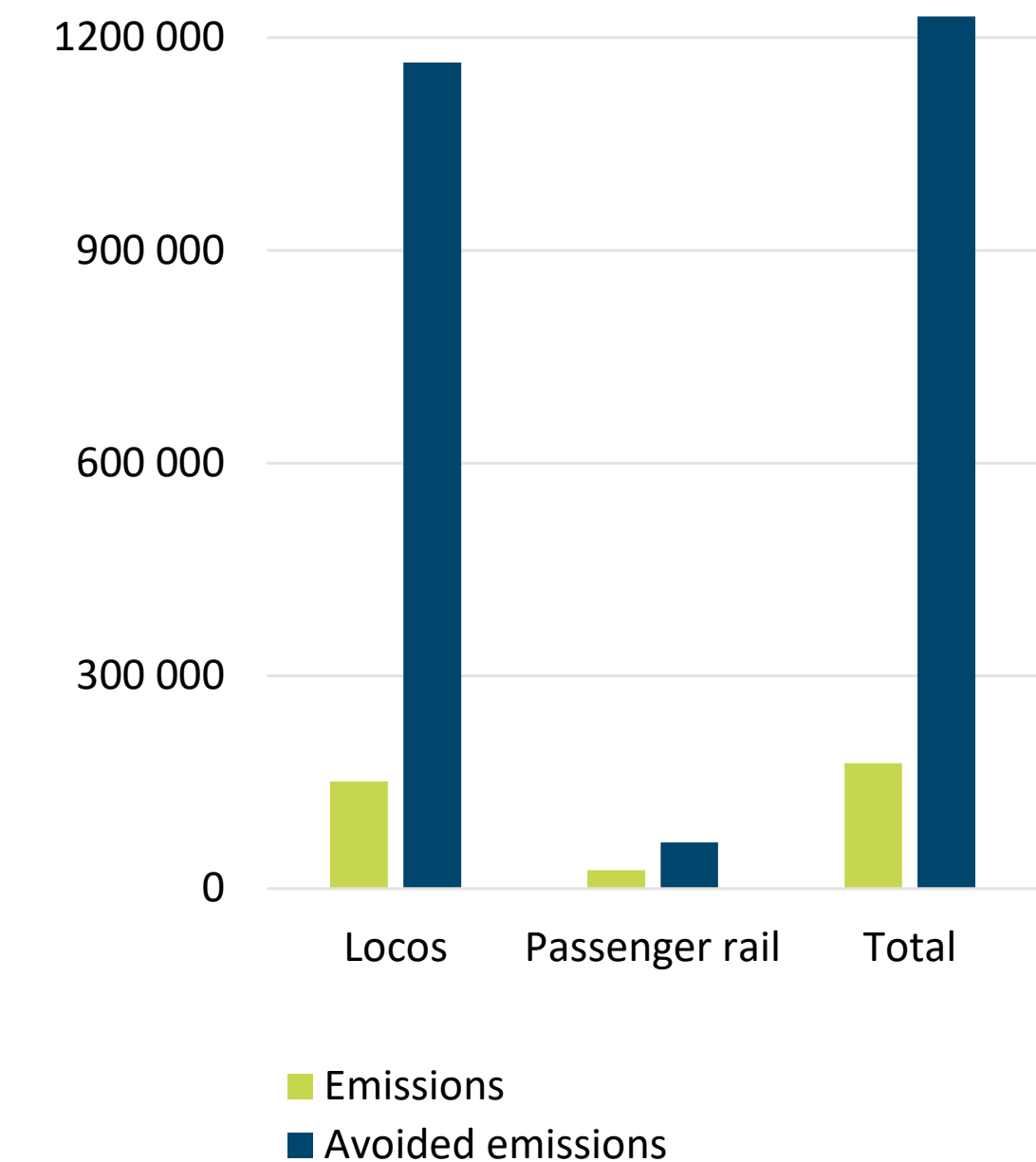
## >1€ Billion Green Financing

### GREEN FINANCING

In May 2022 was our latest round for re-financing of our locomotives, under which we issued green private placements and green loans in accordance with Green Bond Principles 2021. A total of over one billion Euros of green financings were issued and are going to guarantee our future growth and enable us to advance a modal shift in Europe to support Europe's climate goals.

Our more than 400 locomotives are 8.7 times more efficient than road transportation by trucks and travelling by train instead of cars is 3.5 times more efficient. In 2022 our fleet has avoided emissions of over 1.2 mio. Tons of Carbon Dioxide and with the expansion of our fleet this contribution is going to increase steadily. With an average fleet availability of 96% we provide a reliable service to our customers and position ourselves for future growth.

\*Methodology changes: Because our locomotives run across whole Europe we decided to use the emission factor of electricity of Europe in the future, instead of the one for Germany, which was used last year. Furthermore, for passenger rail better data became available as to capacity utilization.







## Railpool Employees

Railpool takes significant care in providing a great working environment to our employees. This becomes obvious in the result of our employee satisfaction survey with a score of 4.47 out of 5 achievable points, which is an even better score than the year before.

In addition, Railpool grew from 177 employees in 2021 to 201 employees at the end of 2022 (without acquisitions), which represents a remarkable growth rate of almost 20%. This changed our employee gender split to a 22% female vs 78% male ratio. To further promote diversity, to set a clear signal against discrimination and to empower women in our industry, Railpool has installed an officer for Diversity, Equality and Inclusion in 2023.

At Railpool, we know that a great place to work means to invest in our employees' health and well-being. That's why we regularly participate in external sports events and activities and have regular company parties (Birthday Party and Christmas Party).

We also aim to maintain a low accident rate and our Lost Time Injury Frequency Rate (LTIFR) stands at 1.92 this year, which is slightly higher than the previous year. Our headquarter is certified according to ISO 45001, the Health and Safety Management System. Further certifications held are: ISO 14001 (environmental management), ISO 9001 (quality management) and ECM.



## Sustainability Excellence on Track

### **GRESB**

In 2022, Railpool participated in two sustainability ratings with excellent results. In its second participation in the international GRESB sustainability rating, the group improved from a 4-star rating to a 5-star rating with 94 out of 100 points. RAILPOOL achieved 100% of the possible points in all environmental performance indicators of the GRESB rating, i.e. in the areas of energy, greenhouse gas, air pollution, water and waste.

### **EcoVadis**

In EcoVadis, the world's largest sustainability rating, RAILPOOL proudly ranked in the top quarter of sustainable companies in the ranking and was awarded a silver medal. Both rankings looked at the RAILPOOL Group as a whole, including our workshops.



## TCFD-Reporting\*

At Railpool, sustainability and climate risks are governed by the Quality Management Department which is a central unit of the organization and allows the sustainability team to work with all functions across the company. The CFO holds ultimate responsibility for all sustainability issues of the organization and reports them to the Railpool advisory board. In 2021, sustainability was integrated as a criterion of the compensation system for key positions, ensuring continuous progress towards our goals.

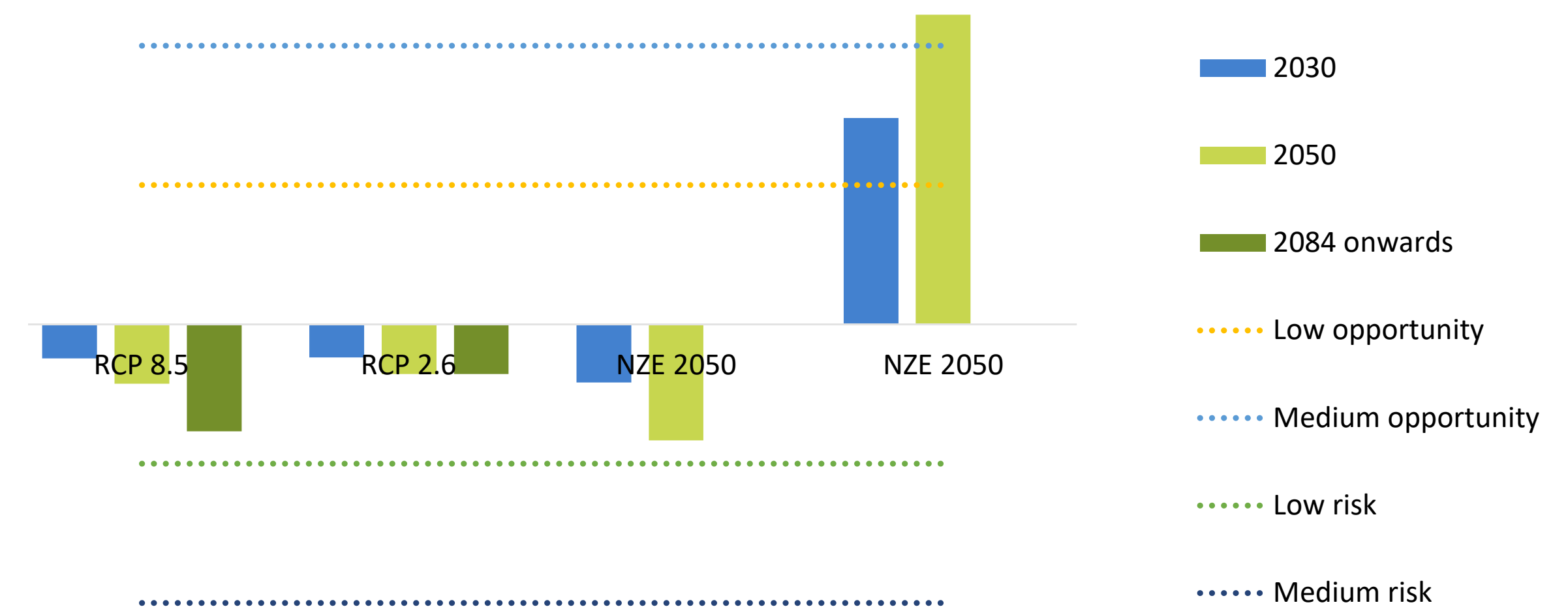
Climate-related risks and opportunities are assessed as part of a wider ESG risk assessment and are guided by the TCFD definitions and risk categories. Significant risks would be mitigated through relevant mitigation strategies. Climate scenarios were used to identify future risks and opportunities to our business and to gather data to support our carbon-neutral strategy. The NZE 2050 was used to identify and evaluate transitional risks. In general, the transition to a Net Zero world represents a

great opportunity for Railpool, with just minor risks concerning future locomotive upgrades.

Physical risks were assessed for our 3 major locations, considering the RCP 2.6 (below 2° world) and 8.5 (business-as-usual/ current pathway) scenario. Storm surges and heat stress were identified through a materiality analysis as the most relevant physical risks to our operation, while still only representing minor risks overall.

To avoid unnecessary climate risks and to enable the transition to a Net Zero Carbon world Railpool has set Science-based targets in 2022 in accordance with a 1.5° world. This will limit our physical risks to a minimum (as shown in the graph under RCP 2.6) and enable us to take advantage of the opportunities the transition represents for us (shown as NZE 2050 opportunities).

\* Task force on climate related financial disclosure (TCFD)



## Appendix

CARBON FOOTPRINT	tCO2e 2021 (adjusted*)	tCO2e 2022	+/-
TOTAL GHG EMISSIONS	169,797	177,349	+4.4%
Scope 1 total	304	272	-10.5%
Stationary combustion	130	86	-33.8%
Mobile combustion	174	186	+6.9%
Scope 2 total	107	87	-18.7%
Electricity Market- based	96	76	-20.8%
Electricity Location- based	121	107	
District heating	11	11	+/-0
Scope 3 total	169,386	176,990	+4.5%
3.1 Purchased goods and services	81	1	-98.4%
3.3 Fuel and energy- related activities	67	61	-9%
3.5 Waste generated in operations	1	1	+15.4%
3.6 Business travel	26	61	+134.6%
3.7 Employee commuting	130	153	+17.7%
3.13 Downstream leased assets	169,080	176,713	+4.5%

THEREOF OTHER GREENHOUSE- GASES	KG 2021 (adjusted*)	KG 2022
Methane	63	50
N <sub>2</sub> O	10	12
HFC	56	0

CO <sub>2</sub> EMISSIONS OF FLEET IN TCO <sub>2</sub>		CO <sub>2</sub> SAVINGS OF FLEET IN TCO <sub>2</sub>	
Locomotives	150,907	Locomotives vs. Truck	1,164,985
Multiple Units	1,656	Multiple Units vs. Car	4,176
Coaches	24,150	Coaches vs. Car	60,900
TOTAL EMISSIONS	176,713	Total savings	1,230,061

ENERGY	MWH 2021 (adjusted*)	MWH 2022
TOTAL ENERGY	1,755	1,612
Electricity	293	268
Thereof renewable	5	37
Natural Gas	677	445
District heating	179	179
Diesel	606	694
Motor Gasoline	0	26
	T CO <sub>2</sub> e per MWh	T CO <sub>2</sub> e per MWh
CO <sub>2</sub> intensity of energy	0.234	0.222

WATER		M3 2021 (adjusted*)	M3 2022
WATER CONSUMPTION TOTAL		1,225	1,238
	Third- party treatment	1,154	1,238
	Third- party reuse	71	0
Water quality	Freshwater	1,225	1,238

## Appendix

WASTE	TONNES 2021 (adjusted*)	TONNES 2022
Waste generated	64	74
Hazardous waste	14	11
Non-hazardous waste	50	62
Waste disposed		
Recycling	32	33
Waste-to-energy	28	29
Unknown	4	12

### EMPLOYEES- USE OF WORKING HOUR PROGRAMS:

Part-time:  
27 employees

Employees with permanent working contract:  
97%

% of employees covered by collective bargaining:  
2

Employee satisfaction score:  
4.47/5

### EMPLOYEE HIRES AND TURNOVER

	NUMBER OF NEW HIRES	TURNOVER RATE IN %
Female	6	21
Male	47	

### EMPLOYEE STRUCTURE- AVERAGE AGE: 40

Total number of employees	201
Female	22%
Male	78%
Under 30	17%
30- 50	62%
Over 50	21%

### NATIONALITIES OF EMPLOYEES IN %

Austrian	3
Italian	2
Dutch	2
German	83
Other	10

### GOVERNANCE BODY

Number of employees in governance body	4
Male	100%
Female	0%

### TRAINING

Average hours of training per FTE	8
% of employees trained on ESG	100%
% of employees trained on H+S	100%
% of employees receiving career development reviews	100%
Number of apprentices	1
Number of working students	6

### HEALTH AND SAFETY

% of employees covered by ISO 45001	67%
Fatalities	0
LTIFR (per 200 000)	1.92

### CUSTOMERS

Customer Satisfaction	4.4/5
Net promoter Score	40

### GOVERNANCE

Total number of incidents of discrimination	0
Number of stakeholder grievances	22
Number of contractors assessed for quality	7
Number of ESG non- compliances	0
Incidents of corruption	0

\*Due to acquisitions and some changes in emission factors the environmental data was adjusted to make it comparable over time