

# Table of content

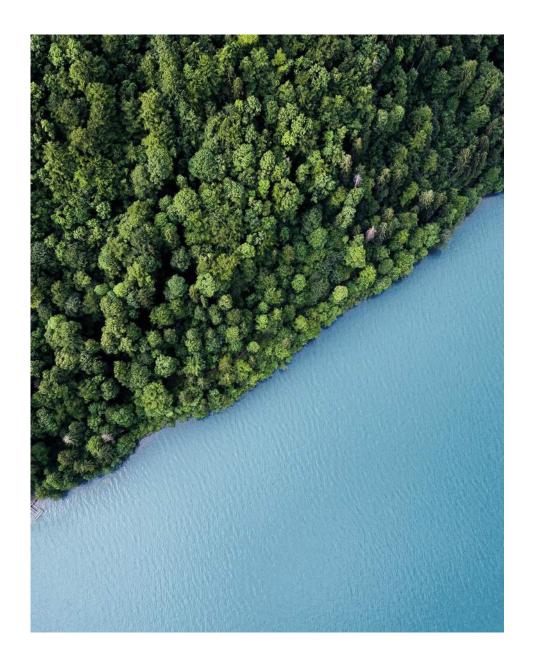
# Introduction

- 4 Moovimenta: A brief overview
- Driving industrial innovation
- Interview with our group CEO
- Committing to sustainable development goals
- Introducing our supplier code of conduct
- Enhancing environmental data quality for CSRD compliance
- 10 Achieving carbon net zero by 2030

# **TRAPO**

- 11 Interview with TRAPO CEO
- 12 TRAPO in brief
- 13 Environmental impact assessment
- 20 Data & index
- 21 Data scope
- 22 Glossary





### INTRODUCTION

# Cultivating environmental accountability

At Moovimenta, we pledge to be transparent and open in our communication about our environmental performance, whether we are achieving progress or facing challenges. Our goal is to make our environmental report both readable and accessible, continuously improving data accuracy.

This report highlights our environmental efforts and impacts for the year 2023 (January 1st – December 31st). It covers all Moovimenta Divisions: Habasit, Rossi, NGI, and TRAPO, each operating under its own brand.

We address key environmental aspects relevant to our business, such as greenhouse gas (GHG) emissions (Scope 1 and 2), volatile organic compound (VOC) emissions, energy use, water use, and waste generation.

Your feedback and comments are welcome to help us improve.

#### MOOVIMENTA: A BRIEF OVERVIEW

# Our mission and values

Picture a world where industries harmonize with nature, where each innovation fosters a healthier planet and a brighter future for us and generations to come. At Moovimenta, sustainability isn't just a goal; it's the guiding principle behind everything we do. Our commitment to sustainability drives us forward, from reducing carbon footprints to improving operational efficiencies.

At Moovimenta, our mission is to accelerate the transition to a sustainable, smarter, and safer industrial reality. We believe in industrial growth to benefit people without draining the planet. We are here to make our customers' equipment and processes more sustainable, smarter, and safer.

# Our values

### Entrepreneurship

is our passion – we foster a spirit of initiative, ownership, and commitment at all levels.

# Quality you can trust

is our mindset – we are committed to providing outstanding customer experiences with best-in-class products and services.

# Continuous improvement

is our energy – we are continuously moving to the next level of performance.

## Collaboration

is our leverage – we create synergies and learning experiences through teamwork and open interaction.

# Organizational pride

is the evidence of our success as an employer.

### **Ethical standards**

is our credo – we respect diversity and strive for sustainability in all areas.



INTRODUCTION • TRAPO

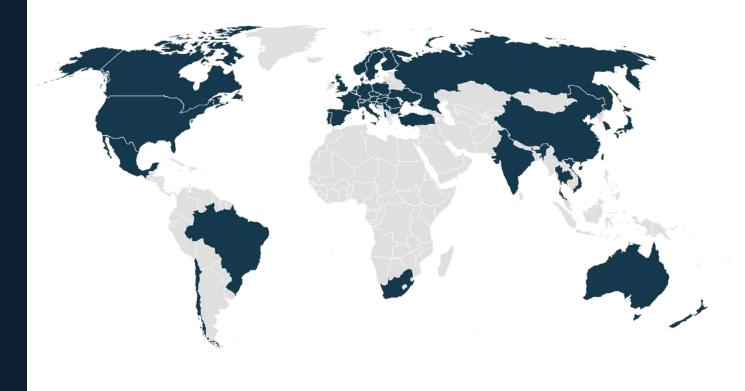
### MOOVIMENTA: A BRIEF OVERVIEW

# Driving industrial innovation

Moovimenta drives innovation and delivers top-quality components and services for the manufacturing industry through our four dedicated companies.

We are committed to transforming industrial processes by enhancing sustainability, intelligence, and safety. Our Corporate Accelerator serves as the hub for spearheading and coordinating innovation across the Moovimenta group. By leveraging the distinct expertise within each of our divisions, we foster collaboration that leads to significant improvements in our customers processes.





Direct presence in

90+
locations

**4,900+** employees

36,000+
active clients

5

# Interview with our group CEO

In the following interview, we have the privilege of gaining insights directly from our Group CEO, Andrea Volpi on Moovimenta's sustainability journey. Andrea shares personal reflections, strategic visions, and organizational perspectives on sustainability.



Andrea Volpi Group CEO

# Can you share a personal experience that sparked your passion for sustainability?

Unless we are blind or choose to turn our heads, the threats to our planet and civilization are strikingly evident along our daily lives. Imagine developing countries where beautiful natural landscapes are no longer covered by waste and litter. Picture children breathing polluted air, now playing outdoors and enjoying the fresh air, with a long life ahead of them. This is what inspires

me and drives my passion for sustainability: a change for a better reality.

# How do you envision the future of sustainability at Moovimenta, and what key steps are we taking to achieve this vision?

Individually, we are only tiny particles in the sustainability universe, but collectively, we can create significant change. I believe through innovation, we can make sustainability affordable and accessible for everyone. This is why we have put sustainability at the core of our Corporate Accelerator mission. By focusing on innovation, we can develop solutions that protect our planet and enhance our operations and products.

# What are some of the most significant sustainability achievements across Moovimenta's divisions that you are particularly proud of?

I am neither proud nor satisfied with what we have achieved until now because I know our potential is far greater. Several good initiatives are ongoing but often live as additional workload that interferes with other short-term tasks. We must continue building momentum in the organization to install the sustainability perspective transversally across

our business processes so that it becomes intrinsic to our way of doing business. Our greatest achievements lie ahead.

"Everybody's life aspiration should aim to leave a better legacy to our beloved than the one we inherited from our predecessors."

### How do you balance the economic, social, and environmental aspects of sustainability in Moovimenta's strategic decisions?

Sustainability is a choice based on principles and values, it implies compromising on other areas, sometimes at the expense of profit, at least in the shorter term. In this sense, the clear commitment and support of our Shareholders is a fundamental asset and pre-requisite to succeed in the longer term.

# How do you foster a culture of sustainability and innovation among the leadership team and employees at Moovimenta?

As per the other core values, I start with selecting leaders who share the willingness to

drive sustainability and are able and willing to walk the talk. My role is to help and enable them to mobilize the organization towards this goal.

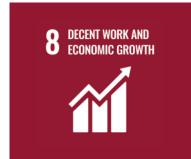
## What message would you like to convey to Moovimenta employees, partners, and clients regarding our commitment to sustainability?

Everybody's life aspiration should aim to leave a better legacy to our beloved than the one we inherited from our predecessors. In the same way we help our children to grow healthy and happy, to set up their home, to nurture their family, we should understand that all this is influenced by the environment they will live in, an environment that we have contributed to making worse. But we are still in time to do something to improve the situation before it is too late. We do not want to be remembered as the generation that destroyed the planet. It is time to give back to them and to the planet. Together we are still in time to make a difference.

#### **OUR SUSTAINABILITY VISION**

# Committing to sustainable development goals

Our sustainability strategy follows the United Nations Sustainable Development Goals (SDGs) and the United Nations Global Compact (UNGC) principles. Why these goals?



# Promoting inclusive economic growth

Commitment: We believe in economic growth that is sustainable, inclusive, and provides decent work opportunities for all without harming people or draining the planet.

Actions: Implement fair labor practices across the entire value chain, ensure safe working conditions for all employees, and foster employee development.



# Innovating for sustainable solutions

Commitment: We commit to challenging our operations and supply chain to focus our innovation activities in the field of sustainable solutions.

**Actions:** Invest in innovative technologies that will improve the conditions of people without harming the planet and enhance industrial processes.

RESPONSIBLE CONSUMPTION AND PRODUCTION

# Minimizing environmental footprint through sustainable practices

Commitment: We prioritize responsible resources consumption to reduce our environmental footprint and promote sustainable and ethical production.

Actions: Optimize energy, water and raw material use, reduce waste generation, promote circularity within our production and fabrication processes and implement sustainable procurement practices.

# Leading climate action and resilience

Commitment: We are committed to achieving Carbon Net Zero by 2030 and promoting climate-resilient practices in our operations and supply chain.

Actions: Reduce greenhouse gas emissions on a yearly basis, improve energy efficiency, and support renewable energy initiatives.



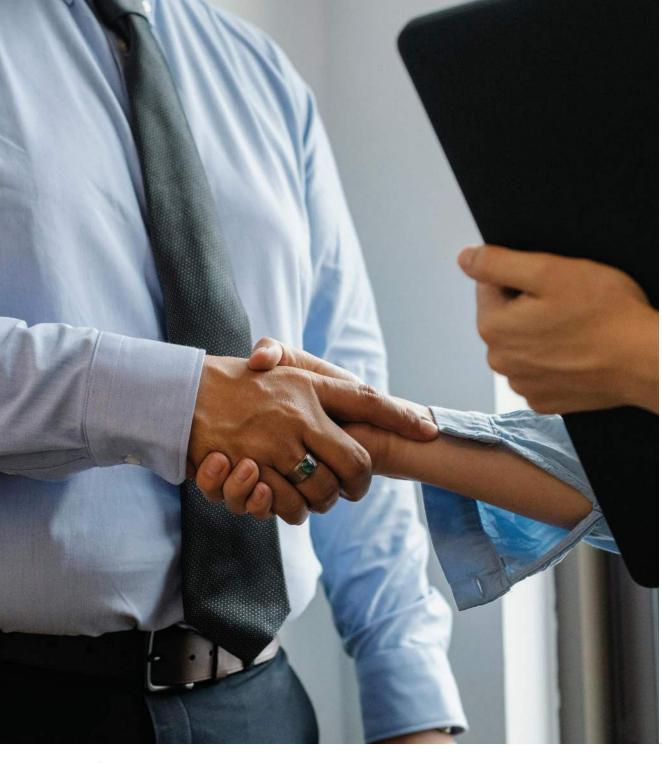
# Building partnerships for sustainable development

Commitment: We are committed to working with our customers, suppliers, and other stakeholders to promote sustainable development.

Actions: Collaborate with stakeholders across our value chain and engage in community partnerships.

Environmental report 2023

7



### STEPS TOWARDS OUR GOALS

# Introducing our supplier code of conduct

At Moovimenta, sustainability begins with our commitment to responsible sourcing. We ensure that our products meet high standards of ethics and quality while reducing our upstream environmental impact. In line with the principles of the United Nations Global Compact (UNGC), our Supplier Code of Conduct (SCC) sets clear requirements for suppliers, marking the first crucial step towards delivering sustainable solutions to our clients.

Scope: Applicable to all suppliers, both direct and indirect.

# Key principles:

- Human rights
- Fair labor practices
- Environmental responsibility
- Zero tolerance for corruption

### STEPS TOWARDS OUR GOALS

# Enhancing environmental data quality for CSRD compliance

Data accuracy and reliability are crucial for informed decision-making. That is why we commit to improving our data collection and quality each year. By ensuring our strategies and actions are based on precise and trustworthy information, we can rethink industrial processes and make smarter decisions.



# Our journey

#### 2020

Initiated gathering key environmental data for main sites: GHG emissions (Scope 1 and 2), VOC emissions, energy use, and water use.

### 2021

Extended data collection to all sites with more than 5 FTEs, retroactively from 2020–2021.

#### 2022

Initiated collecting data on combustibles for company vehicles to complete scope 1 emissions.

### 2024

More than 90% of our sites with company vehicles now report fuel consumption, and we aim to reach 100% in the next report.

Started tracking hazardous and nonhazardous waste data and monitoring operational, canteen, and office waste separately. Began computing scope 3 emissions, aiming for full site coverage.

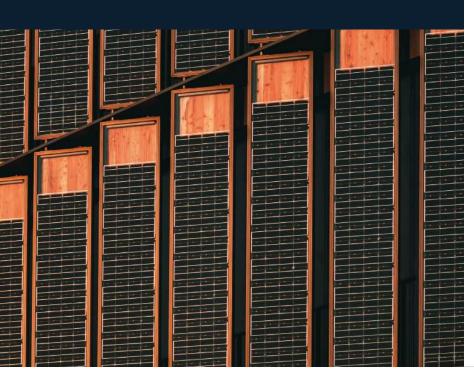
#### 2026

CSRD Reporting for five entities in Moovimenta.

STEPS TOWARDS OUR GOALS

# Achieving carbon net zero by 2030

Achieving carbon net zero for Scope 1 & 2 emissions by 2030 is a key target in Moovimenta's climate strategy, aligned with SDG 13: Climate Action. This ambitious target reflects our commitment to respond to the global call to address climate change and promote sustainable practices throughout our operations.





# Key initiatives

Energy efficiency improvements and operational optimizations

**Actions:** Upgrading to energy-efficient equipment and systems. Implementing best practices and technologies to optimize processes.

- Renewable energy integration
  Actions: Transitioning to renewable energy sources such as solar, wind, and hydropower.
  Investing in solar plant installations.
- Fleet electrification
  Actions: Promoting the use of electric and hybrid company vehicles instead of fuel vehicles.

# Progress and milestones

#### 2020

Defined 2020 as the baseline year and started collecting data on an annual basis.

### 2021

Transitioned our main sites at Habasit, NGI, and TRAPO to renewable electricity sources. Commissioned the first solar power roof plant at Habasit.

### 2022

More than doubled our total renewable energy consumption compared to 2021.

### 2022-2023

Commissioned three more solar installations across Habasit and a small-scale solar plant at Rossi. Replaced several internal combustion engine vehicles with electric ones.

### 2023

Achieved a 14% reduction in carbon footprint (scope 1&2) compared to the 2020 baseline, despite the inclusion of scope 1 emissions from company vehicles starting in 2022.

### 2030

Goal to achieve carbon net zero for scope 1 and 2 emissions.

10

# Interview with TRAPO CEO

In an interview with Thomas Gutwald, TRAPO CEO, we had the opportunity to gain insights into his personal reflections, and strategic vision on sustainability.



Thomas Gutwald
TRAPO CEO

# What is your personal motivation to act sustainably?

We need to take responsibility for future generations. I was lucky to be born into a peaceful and intact environment. But today we take more resources from the planet than are due to us and this is at the cost of future generations. We leave a heritage that cannot be corrected, a quite egoistic behavior.

In my leadership function, I have the chance and the motivation to make a difference about sustainability at least in my business micro cosmos and, of course, in my private life. It is about walking the talk now, rather than waiting for others to act.

# What actions have been taken in the past when it comes to sustainability?

TRAPO is not only certified according to the quality management standard ISO 9001, but also to the environmental management standard ISO 14001 and energy management standard ISO 50001. These systems provide us with the structural basis for our sustainability management.

TRAPO has implemented a state-of-the-art energy tracking system. Understanding the consumption of all energy sources by department, building, and even key machines is the foundation for all internal energy-saving measures.

TRAPO has been audited by EcoVadis and got a bronze medal (Jan. 2024: 62/100). We have identified and taken measures to improve our score even more, targeting to be ranked among the top companies

# "It is about walking the talk now, rather than waiting for others to act."

also with regard to sustainability. We are a partner of the Blue Competence sustainability initiative. We source electricity only from hydropower stations. We started to convert our company car fleet to electric cars and we offer e-charging stations to our employees. Light sources are converted to LED. We are committed to continuing along this path.

# What makes TRAPO special in terms of social and environmental goals?

TRAPO is a midsize Division within the Moovimenta Group. Our internal operations

are not specifically energy-intensive. But our Intralogistics Automation solutions are applied in a global marketplace. Our plants are built to last and while they run they consume electricity. This is our leverage to a significant impact on sustainability. We make workplaces sustainable, efficient, safe, and ergonomic.

Being part of Moovimenta, we share the same values summarized in our Code of Conduct and the ESG Policy.

# How do you inspire and motivate TRAPO employees to act sustainably?

First of all, it is about setting a good example. The commitment to sustainability cannot just be an empty promise of management.

The motivation of employees cannot be enforced. Every individual needs to draw his/her own conclusions. TRAPO management will provide relevant and unbiased information on sustainability to help employees to understand the criticality of the situation. Of course, every employee is strongly requested to join in the defined sustainability targets and to act accordingly.

11



#### TRAPO IN BRIEF

# Automated intralogistics is the key to efficient and sustainable use of resources

### TRAPO Solutions: based on 67 years of experience

At TRAPO, we have been pioneering automated intralogistics systems since 1957. Today, we are revolutionizing industry standards with our cutting-edge products and innovative automation technology.

Our products include conveyors, advanced grippers, palletizers and depalletizers, and autonomous truck-loading solutions.

All these elements are meticulously combined to create intelligent, integrated system solutions that enhance operational efficiency and ensure seamless workflow. By harmonizing advanced technology with innovative design, we deliver solutions that not only meet but exceed industry standards, providing a comprehensive approach to optimizing your production processes.

# Focusing on the big picture

The most crucial aspect of any working environment is the safety of the people, as well as the protection of products and goods. TRAPO products are engineered with safety as a top priority, ensuring that your team operates in a secure and healthy environment.

# We think one step ahead – in every aspect

At TRAPO, our engineers have the ambition to scrutinize, improve, and further develop products and solutions. Our research and development team maintains constant contact with leading universities and stays abreast of the latest scientific developments.

This commitment extends to our approach with our customers' individual projects. Taking a comprehensive view is always worthwhile and reveals numerous opportunities to enhance the safety, efficiency, and sustainability of their intralogistics. That's why we not only sell products but also deliver solutions to ensure efficient intralogistics.

12



# TRAPO environmental impact assessment

At TRAPO, we collect and analyze environmental data on our energy use, greenhouse gas (GHG) emissions, volatile organic compounds (VOC) emissions, water use, and waste generation. Since 2021 our assessment has included an additional facility in Italy, enhancing our ability to monitor and manage our environmental impact comprehensively.

By gaining insights into our environmental footprint, we can pinpoint areas where our operations influence the environment. This understanding empowers us to develop targeted strategies and initiatives aimed at reducing our environmental footprint and promoting sustainability practices.

13



# 4 Energy use

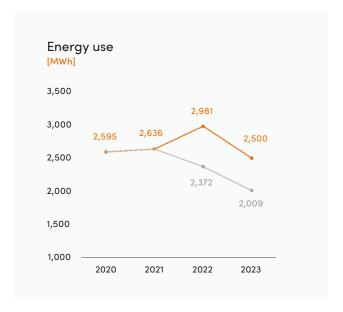
In all TRAPO locations, energy is used mainly for heating, lighting, and in offices. Unlike process-intensive industries, our production processes are not highly energy-demanding, which explains the lack of a pronounced connection between energy consumption and production volume.

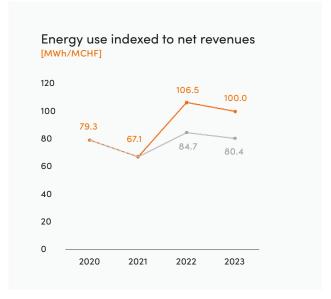
This year, we broadened the scope of energy use to include the energy consumed by company vehicles. This adjustment was retroactively applied to the 2022 data as well, resulting in an updated value compared to our previous report. To ensure comparability of the energy use data between years, we have indicated the data without energy from vehicles in grey. When looking at these values a steady decline in energy use can be observed from 2021 to 2023.

Between 2022 and 2023 total energy use, including vehicle fuel, decreased by 16%, because of a milder winter and reduction in diesel usage for company cars. The 11,000 L reduction in diesel usage translates to a 119 MWh decrease in energy use.

This is an encouraging trend, which can partly be attributed to the replacement of three vehicles in our fleet with electric vehicles.

Note: The 2022 energy use value has been updated to include fossil fuels consumed by company vehicles. The grey trend line shows energy use excluding vehicle fuel. The indexed values have been updated compared to the 2022 report.







14



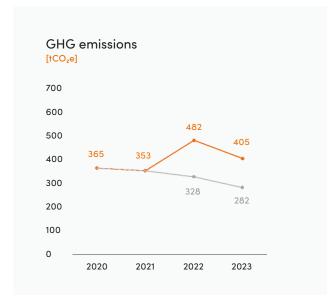


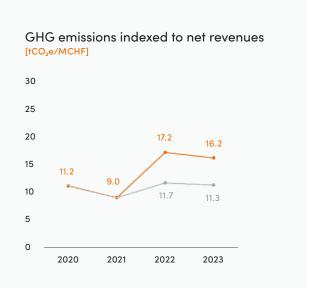
At TRAPO, the use of 100% renewable electricity reduces our scope 2 emissions to zero. Therefore, our GHG emissions come entirely from the combustion of fossil fuels for heating and company vehicles. In 2023, heating accounted for approximately 70% of our total GHG emissions, while company vehicles made up the remaining 30%.

Our scope 2 calculation now aligns with GHG Protocol standard, including both location-based and market-based emissions. The graph illustrates combined scope 1 and market-based scope 2 emissions. For details on location-based scope 2 emissions, please see page 20.

Due to the inclusion of GHG emissions from our fleet of company cars, emissions rose from 2021 to 2022. However, when excluding these emissions, as shown by the grey trend line, a steady decline can be observed.

From 2022 to 2023, GHG emissions decreased by 16%, proportional to the reduction in energy use. This decline is attributed to a milder winter and a 30 tCO₂e reduction in emissions from company cars.





Note: The grey trend line shows the GHG emissions excluding emissions from mobile combustion. The indexed values have been updated compared to the 2022 report.

Environmental report 2023 INTRODUCTION • TRAPO

15



**CASE STUDY** 

# Promoting electric vehicle adoption

In 2023, TRAPO advanced its sustainability initiatives by purchasing three additional electric vehicles (EVs), bringing the total to seven EVs in its fleet.

# Key developments

# Fleet expansion

**2023 addition:** Purchased three additional EVs, now totalling seven.

**Employee adoption:** Notable shift in employee preference towards EVs, particularly among those who rely heavily on vehicles for their roles, such as salesforce and service maintenance teams.

# Internal communication and promotion

Awareness campaigns & mindset change: Shifted employee preference to sustainable transport through engagement.

# Charging on renewable electricity

On-site charging: Most of the charging happens on-site, where TRAPO sources 100% renewable electricity, significantly reducing the carbon footprint compared to average country grid electricity.

# Environmental impact – GHG emissions reduction

Lifecycle savings: According to Transport & Environment, EVs achieve a 63% reduction in GHG emissions over their entire lifecycle compared to diesel cars, and up to 83% if run on renewable electricity.

**Use phase savings:** Using Germany's grid, EVs reduce emissions by 73.3% compared to diesel cars. When run on renewable electricity, this savings increases to 96.7%.

**Total savings in 2023:** With the adoption of seven EVs, TRAPO has saved more than 56 tCO₂e in 2023 alone.



16



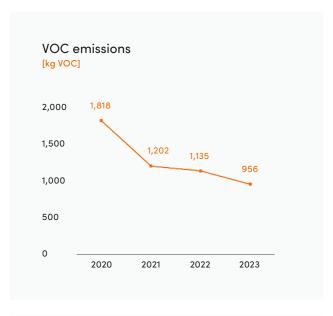


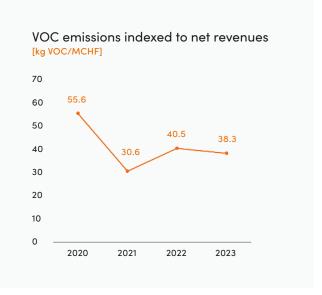
Volatile Organic Compounds pose risks to both our employees working in confined spaces and the environment due to their contribution to air pollution. To address these concerns, we remain vigilant in measuring and minimizing VOC levels throughout our operations.

The paint shop serves as the main area of solvent consumption within our facilities. Here, we continue to utilize paint-mist separators to effectively capture overspray. Regular maintenance, including the timely replacement of these filters, ensures safe disposal and responsible operations. These efforts underscore our ongoing commitment to environmental stewardship and employee safety.

From 2022 to 2023, we achieved a 16% reduction in VOC emissions, continuing a consistent decline since 2020. This reduction is primarily due to decreased production volumes, leading to lower solvent usage. Overall, we have seen a 47% decrease in VOC emissions from 2020 to 2023. The indexed values have shown a less consistent pattern, with a 6% decrease between 2022 and 2023.

Note: The indexed values have been updated compared to the 2022 report.



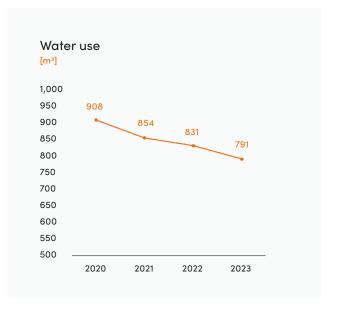


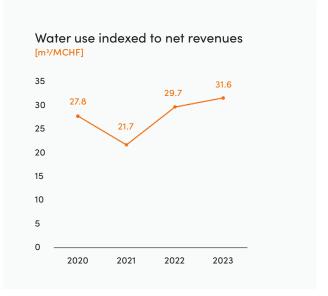
17



The water usage is predominantly allocated to sanitation and cleaning purposes, independent of our production volume. Thus, the volume of our production does not directly correlate with our water consumption. The absence of harsh chemicals in our operations eliminates the necessity for pre-treatment, enabling direct wastewater treatment through the city sewage system.

Since 2020, we have consistently reduced our water usage by a total of 13%. The water consumption per FTE is currently around 17.8 L per workday, which is 10% less than in 2020. This progress reflects our ongoing efforts to raise awareness and promote responsible water consumption practices among our employees.





Note: The indexed values have been updated compared to the 2022 report.



18

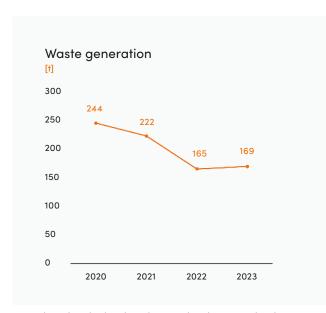
# Waste generation and disposal

Office and operational waste streams are systematically collected and managed across all TRAPO sites. Operational waste includes significant quantities of steel chips, various packaging materials, and wood, particularly from pallets used in our operations. This structured approach ensures that these materials are appropriately handled and, where possible, recycled or reused to minimize environmental impact.

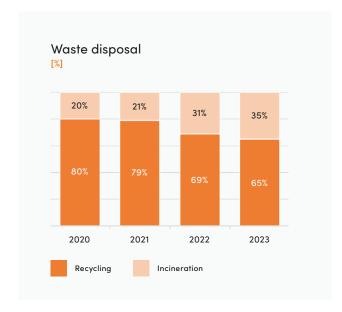
Waste generation has generally declined, with a 31% reduction between 2020 and 2023. While the proportion of waste that is recycled has remained high, it has declined due to a change in our waste composition. Operational waste generation has decreased since 2020, whereas office waste, though small, has remained constant. As a result, office waste, much of which is incinerated, now makes up a larger portion of our total waste compared to 2020.

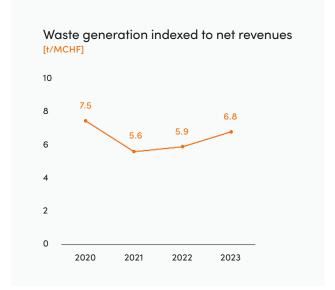
Only 10% of the total waste produced at TRAPO is hazardous, all of which is recycled.

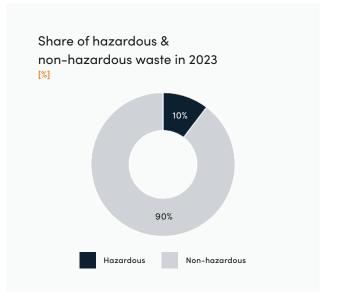
The overall amount of waste in 2023 is about 4 kg per FTE and working day, a value that we consider to be moderate. Along our path for continuous improvements, we intensify our efforts towards paperless offices, a small contribution to further reduce our waste.



Note: The indexed values have been updated compared to the 2022 report.







19



		Moovimenta				TRAPO			
	Units	2020	2021	2022	2023	2020	2021	2022	2023
Energy									
Energy use	MWh	116,200	131,103	135,800	127,144	2,595	2,636	2,981	2,500
Energy use indexed by net revenues	MWh/MCHF	165.9	159.9	157.1	158.5	79.3	67.1	106.5	100.0
Renewable energy consumption	MWh	13,670	19,737	40,374	37,514	935	887	848	744
GHG emissions									
Scope 1 (direct) — sub-total	†CO₂e	11,850	12,963	13,068	13,404	365	343	482	405
Stationary combustion	†CO₂e	11,850	12,963	11,290	10,702	365	343	328	282
Mobile combustion	tCo₂e	-	-	1,778	2,703	-	-	154	124
Scope 2 (indirect)									
Location-based	†CO₂e	15,027	17,210	18,155	16,830	324	381	335	292
Market-based	tCO <sub>2</sub> e	16,366	12,971	11,777	10,957	0	11	0	0
Carbon footprint (scope 1&2 market-based)	†CO₂e	28,216	25,934	24,845	24,361	365	353	482	405
Carbon footprint indexed by net revenues	tCO₂e/MCHF	40.3	31.6	28.7	30.4	11.2	9.0	17.2	16.2
VOC emissions									
VOC emissions	kgVOC	131,913	163,205	177,542	131,938	1,818	1,202	1,135	956
VOC emissions indexed by net revenues	kgVOC/MCHF	188.3	199.0	205.3	164.5	55.6	30.6	40.5	38.3
Water									
Water	m³	99,924	100,443	99,148	98,151	908	854	831	791
Water indexed by net revenues	m³/MCHF	142.7	122.5	114.7	122.4	27.8	21.7	29.7	31.6
Waste									
Waste	t	9,249	10,611	12,298	11,173	244	222	165	169
Waste indexed by net revenues	t/MCHF	13.2	12.9	14.2	13.9	7.5	5.6	5.9	6.8

Note: Renewable energy consumption includes on-site solar generation, 100% renewable electricity purchased and ethanol fuel.

Environmental report 2023

20



# Data scope

# In scope

Energy consumption, greenhouse gas (GHG) emissions, volatile organic compounds (VOC) emissions, water use, and waste generation.

# Out of scope

- Sites with fewer than five full-time equivalent employees (FTEs).
- Energy use and GHG emissions (mobile combustion) from company vehicles in the 2020 and 2021 data.

21

# Glossary

Corporate Sustainability Reporting Directive **CSRD** 

**ESG** Environmental, Social and Governance

Full-time equivalent FTE Greenhouse Gas GHG

Sustainable Development Goals **SDGs** 

UN **United Nations** 

UNGC **United Nations Global Compact** VOC **Volatile Organic Compounds** 

# Units

kg Kilogram

kgVOC Kilogram Volatile Organic Compounds

Liter

 $m^3$ Cubic meter **MCHF** Million Swiss franc Megawatt hour MWh

Metric ton

Metric ton carbon dioxide equivalent tCO₂e

