

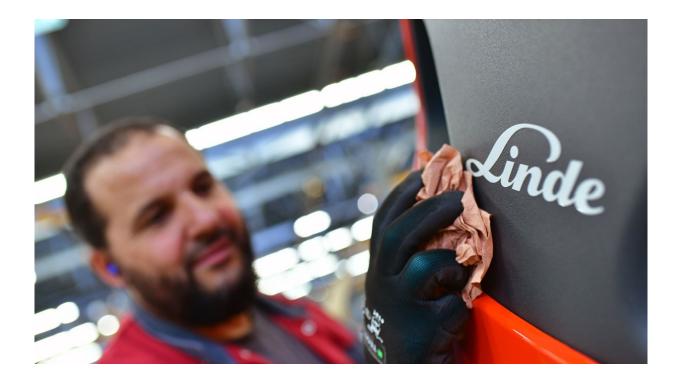
# Sustainability Report 2022

Targets and Key Figures Sustainability Strategy and Management Compliance and Responsibility Good Employer Health and Safety Environment Products and Solutions Sustainability in the Supply Chain Social Engagement

# **About This Report**

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# **ABOUT THIS REPORT**



This Sustainability Report covers the sustainability activities of Linde Material Handling EMEA ("Linde MH" in this report) in the 2022 financial year. Linde MH, a KION Group company, is a leading global manufacturer of forklift trucks and warehouse trucks, and a solutions and service provider for intralogistics. With a sales and service network that spans more than 100 countries, the company is represented in all major regions around the world.

Since 2012, Linde MH has been working on a systematic and comprehensive sustainability strategy to address the current challenges facing the company and its stakeholders:

- Climate change and scarcity of resources
- The protection of human rights
- Health and demographic change
- Ensuring diversity and equal opportunities

This report presents the strategies, measures, objectives, and key figures that Linde MH uses to manage and measure its sustainability activities in the facts and figures section.

## Reporting Period and Scope

The facts and figures section of the Linde MH Sustainability Report 2022 relates to the 2022 financial year, covering the period January 1 to December 31, 2022. In the stories section of the report, sustainability activities are reported on throughout the year and the content is continuously updated. The content relates to all Linde MH consolidated companies in the EMEA region\* (operating structure), based in 18 countries, and includes the plants as well as the sales and service companies.

\*EMEA = Europe, the Middle East, and Africa

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Linde MH EMEA is part of the KION Group and a core brand within the KION ITS EMEA Operating Unit in the 2022 financial year.

As a fully consolidated subsidiary of the KION Group, Linde MH is subject to a separate non-financial statement pursuant to Sections 315b and 315c in conjunction with Sections 289c to 289e of the German Commercial Code (Handelsgesetzbuch, HGB), which is covered by the sustainability reporting of the parent company, KION. Based on the material issues of the regularly updated Group-wide materiality analysis, the consolidated non-financial statement forms part of the KION Group Sustainability Report 2022. The independent auditor's report on a business audit to obtain limited assurance on the sustainability report in accordance with Section 315b HGB, Regulation (EU) 2020/852, and the standard criteria of the GRI (Global Reporting Initiative) is available on the KION Group website. In addition, the KION Group Sustainability Report 2022 meets the requirements of the SASB (Sustainability Accounting Standards Board) in accordance with the sector standard "Industrial Machinery & Goods" (version 2018-10) and the recommendations of the TCFD (Task Force on Climate-related Financial Disclosures).

#### Collection of Data and Information

The key performance indicators (KPIs) in this report were essentially collected from 49 reporting units. Data for 14 production and administration locations (referred to as "plants") was collected individually, while 35 disclosure points for sales and service companies in some cases comprise aggregated data from several locations. Varying degrees of data-gathering aggregation are indicated wherever relevant, where in exceptional cases the data does not cover all employees or subsidiaries in the scope of this report.

The figures in this Sustainability Report have been rounded in accordance with commercial practice. This may result in differences between the sum of the individual amounts given in the tables and the overall totals stated, as well as between the figures stated in the tables and their analysis in the main text of the Sustainability Report. All percentage changes and KPIs were calculated based on the underlying data.

The data collection which provides the main basis for the KPIs presented in this report is supported across the Group by several internal reporting channels.

#### Forward-looking Statements

This report contains forward-looking statements based on the current plans, objectives, outlooks, and estimates of the management of Linde MH. The management cannot guarantee that these forward-looking statements will prove to be correct. The future development of Linde MH EMEA and its subsidiaries, and the results that are actually achieved, are subject to a variety of risks and uncertainties, which could cause actual events or results to differ from those reflected in the forward-looking statements.

#### **Further Information and Resources**

Further information on Linde MH's sustainability approach can be found on the company's website at <a href="http://www.linde-mh.com/">http://www.linde-mh.com/</a>

Further information on sustainability at Group level can be found on the KION Group website and in the KION Group Annual Report 2022.

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# Targets and Key Figures

# TARGETS AND KEY FIGURES



# Selected Sustainability-related Key Figures

All key figures and data can be found in the relevant chapters.

Environment	2022	2021	2020
ISO 14001 certification rate <sup>1</sup>	85%	81%	75%
Energy consumption	1,079,340 GJ	1,143,040 GJ	882,211 GJ
Greenhouse gas emissions (Scope 1 and 2) <sup>2</sup>	63,286 t CO <sub>2</sub> e	67,003 t CO <sub>2</sub> e	60,404 t CO <sub>2</sub> e
Greenhouse gas emissions (Scope 3.3) <sup>2</sup>	<sup>2</sup> 15,626 t CO <sub>2</sub> e	16,173 t CO <sub>2</sub> e	13,580 t CO <sub>2</sub> e
Water withdrawal	140,942 m³	153,409 m <sup>3</sup>	105,818 m <sup>3</sup>
Waste produced	25,245 t	28,687 t	15,296 t

## Key Figures at Linde MH EMEA

Employees	2022	2021	2020
Percentage of female employees	17%	17%	16%
ISO 45001 certification rate	2182%	74%	59%
LTI (Lost Time Injuries) <sup>3</sup>	208	255	190
Accident frequency rate <sup>4</sup>	9.5	11.9	10.9

<sup>1</sup> Or equivalent standards, based on all sites.

# **Key Targets**

Linde Material Handling's sustainability targets are aligned with the key targets of the KION Group's sustainability strategy, which covers not just the individual measures taken by the organizational units but the efforts of the entire Group.

<sup>2</sup> Greenhouse gas emissions in kilograms CO<sub>2</sub> equivalent, Scope 1 and 2 market-based, Scope 3.3 location-based.

<sup>3</sup> Occupational accident with at least one day of absence.
4 Occupational accidents involving active employees with lost time of at least one working day, per million hours worked.

# **Group-wide Targets**

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Dimension	Field of action	Objectives	Target year
People	Occupational health and safety	Reduction of the accident frequency rate by 5% per year (based on the annual upper limit; in the long term: no occupational accidents)	Annual
		100% ISO 45001 <sup>1</sup> certification rate (all sites)	2024
	Talent	Increase in employee satisfaction to an engagement score of at least 75 and a participation rate of at least 68%, as measured by an annual, global employee survey	2023
		No cases of non-compliance with the KION Group Minimum Employment Standards	Ongoing
Products	ducts Product and solution Development toward an electric-focus sustainability including battery and fuel cell-powere by increasing the share of electrically trucks sold annually to 90%		
		Increase in average charging efficiency of electrically powered trucks	2027
	Product and solution safety	Increase in the average number of selected safet features per industrial truck to 4 and an active safety feature equipment rate of 10%	y2027
Processes	Climate and energy	Absolute reduction of GHG emissions (Scope 1, 2, 3) in tons of CO <sub>2</sub> e compared to 2021 <sup>2</sup> Near-term	
		Scope 1 and 2 by 4.2% per year Scope 3 by 2.5% per year - Long-term	2030
		Net zero Scope 1, 2, and 3 by 100%	By 2050
		CO <sub>2</sub> neutrality of products and solutions during the use phase (in tons of CO <sub>2</sub> e Scope 3 GHG emissions caused by the use of products and solutions delivered annually)	By 2050

#### Targets and Key Figures

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	30% absolute reduction of total energy-related GHG emissions from own operations in tons of CO <sub>2</sub> e (Scope 1, 2, 3.3) compared to 2017	2027
	100% ISO 14001¹ certification rate	2024
Circularity	In progress	
Supply chain	EcoVadis score or equivalent rating <sup>3</sup> (corporate social responsibility performance) available for:	
	25% of top spend on strategic suppliers	2022
	100% of strategic and high-risk suppliers⁴	2023
	100% of direct suppliers	2025
	Definition and communication of a minimum EcoVadis score <sup>3</sup> (or equivalent rating) for all suppliers	2023
	Minimum EcoVadis score mandatory for all suppliers	2027
Sustainable governance	EcoVadis "Gold" rating for all Operating Units and the KION Group	2027
	S&P Global Corporate Sustainability Assessment (CSA), KION Group score ≥ 70 points	2027

Or equivalent standards.
 Subject to resolution by the boards of KION GROUP AG planned for 2023.
 Group or site rating.
 High-risk suppliers in relation to industry and country risks in the area of sustainability.

About This Report Targets and Key Figures

**Sustainability Strategy and Management** 

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# Sustainability Strategy and Management

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# SUSTAINABILITY STRATEGY AND MANAGEMENT

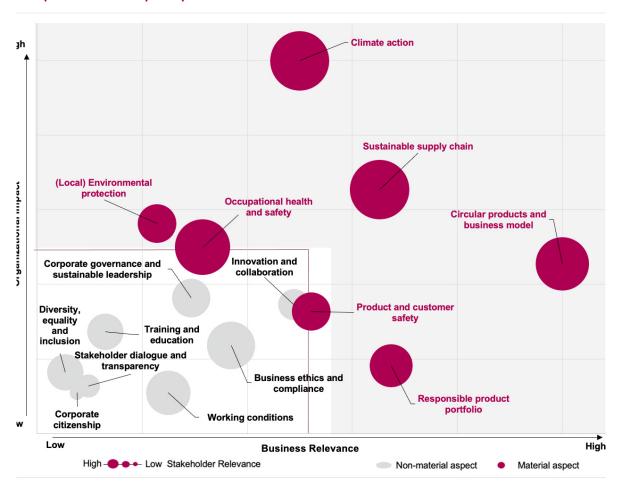


Sustainability has been firmly anchored in the "KION 2027" corporate strategy as an individual field of action for many years. The KION Group takes a systematic, Group-wide approach to the operational implementation of its sustainability strategy and the underlying sustainability program.

As part of the KION Group, Linde MH follows the Group-wide rules and principles for sustainable corporate governance. The company has also put in place company-specific guidelines and tools to ensure that sustainability criteria are firmly embedded in the operational business. These include the sustainability policy, guidelines for integrated health, safety, and environment (HSE) management, and life cycle assessments, which reliably show the environmental impact of products and solutions.

Linde MH's sustainability approach is based on the materiality analysis conducted by the KION Group. The materiality analysis was updated in 2022, and any potentially material aspects were identified and evaluated as part of this process. These aspects are aligned with the United Nations Sustainable Development Goals and are based on global surveys of key stakeholder groups, among other things. Topics are assessed with regard to their relevance to the KION Group from three perspectives: relevance to the business (outside-in, opportunities and risks for the Group's business development), impact of the organization (inside-out, impact of the Group's business activities on the environment and society), and relevance to stakeholders (importance with regard to the development and shaping of expectations and decision-making on the part of stakeholders). Supported by the KION Group's materiality analysis, eight closely interlinked fields of action along the value chain were consolidated and developed further in the year under review.

#### **Group-wide Materiality Analysis**

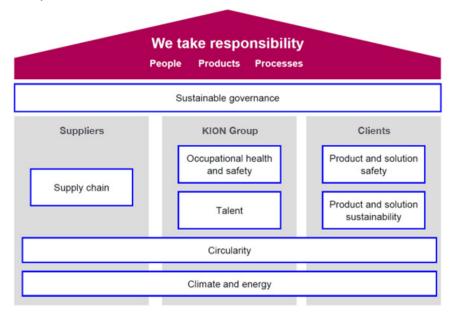


# **Guiding Principles/Action Fields**

At Linde MH, sustainability is linked to the wider-reaching targets and initiatives organized into the three strategic dimensions of people, products, and processes, always in keeping with the overall principle of "We take responsibility." These three dimensions provide the framework for the eight sustainability fields of action. Derived from the KION Group sustainability strategy and the materiality analysis, Linde MH pursues a specific program in these fields of action with targets, measures, and monitoring designed to meet the expectations of its stakeholders as well as political and legal requirements.

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### **Group-wide Fields of Action**



# **Company**

Linde MH has a company history spanning over 120 years, including more than 50 years in material flow solutions. The Aschaffenburg-based company may have its origins in Germany but today it is one of the world's largest manufacturers of forklift trucks and warehouse handling equipment. As a technology leader in the industry, Linde MH offers a wide range of industrial trucks, automation, safety, and energy solutions, fleet management and warehouse management software, and comprehensive services. Linde MH has been part of the KION Group since 2006 and manages production sites in Germany, France, the Czech Republic, and Poland.

The company delivers top performance under even the most challenging operating conditions. Alongside its desire to produce high-performance drive systems, safety and user-friendliness are Linde MH's top priorities: Precise load handling, outstanding maneuverability, intuitive operation, and an ergonomic driver's workstation guarantee excellent handling performance and productivity. In addition, the trucks can be seamlessly integrated into fleet management or warehouse management systems using wireless data transmission and digital interfaces. When combined with comprehensive energy, safety, and automation solutions and optimal integration into customers' business processes, the result is holistic solutions for networked, safe, and sustainable intralogistics.

In the field of electromobility, Linde MH is currently the only manufacturer to offer electric counterbalanced forklift trucks in the form of its X models. With their high power and robust design, these models offer a real alternative to trucks powered by an internal combustion engine. Customers have at their disposal a quiet and practically emission-free alternative that can handle even the most challenging of applications without compromising on performance.

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With a large rental fleet of almost 43,000 trucks, Linde MH offers a high level of flexibility, whether customers want to take advantage of the various options available to them—leasing, long-term rental, or hire—or prefer to opt for a used Linde forklift, which are all refurbished in accordance with standardized specifications throughout Europe.

# **Sustainability Organization**

Linde MH follows the systematic approach of the KION Group for the operational implementation of its sustainability strategy. Specific strategic (quantitative) sustainability targets, the main levers, and the relevant KPIs are defined for each of the eight fields of action. These are defined in further detail and implemented within the scope of comprehensive programs of measures (for further information, see the KION Sustainability Report 2022). The revision of the individual targets, further breakdowns, and the corresponding measures are reviewed on an ongoing basis, and this includes alignment with external requirements, between the fields of action, and with internal stakeholders at Group level and in the Operating Units.

At KION Group level, the leads for the individual fields of action, the regional sustainability coordinators, and central sustainability management work as part of a steering committee to ensure that the sustainability program is uniform across the Group, continually enhanced, and implemented. The KION Group's central sustainability management manages and coordinates the sustainability program throughout the Group, defines sustainability-related key figures, and tracks target achievement within the strategy and in the fields of action. It ensures coordination between the individual fields of action and Operating Units and within the Group. It also provides specialist support internally and externally where necessary.

Progress at Group level and in the Operating Units is regularly reviewed (e.g., at steering committee meetings) and reported to the Executive Board of KION GROUP AG. As of May 1, 2023, a new Board member—the Chief People and Sustainability Officer—took over the area of sustainability in addition to the tasks of Labor Director.

## **Initiatives**

The KION Group intends to commit to the targets of the Science Based Targets initiative (SBTi). As part of this commitment, which the Group expects to finalize in 2023, it is setting itself the long-term climate target of achieving net-zero greenhouse gas emissions along its value chain by 2050. Key interim targets have been set for 2030 (see targets in the KION Sustainability Report 2022). Linde MH thus has a basic methodological framework for its actions and is committed to the objective of the Paris Agreement to limit global warming to 1.5°C above pre-industrial levels. The climate management targets are to be developed further in 2023 in accordance with the SBTi criteria. The KION Group is aiming to obtain official validation from the SBTi for 2024.

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As a supplier, Linde MH has been regularly assessed and certified in relation to its corporate responsibility by the independent service provider EcoVadis since 2012. The company has been awarded the Gold rating, representing an above-average score in its peer group of rated companies, since 2019. The analysis system on which the rating is based comprises 21 criteria from the four thematic areas of environment, labor and human rights, ethics, and sustainable procurement. The methodology is based on international sustainability standards, such as the Global Reporting Initiative, the Conventions of the International Labour Organization, the UN Global Compact, the UN Guiding Principles on Business and Human Rights, and the ISO 26000 sustainability guidance.

Linde MH is also a partner of the sustainability initiative Blue Competence. This initiative of the Verband Deutscher Maschinen- und Anlagenbau e.V. (German Mechanical Engineering Industry Association) aims to promote sustainability in mechanical and plant engineering and raise awareness of sustainable solutions in the industry. As part of this partnership, Linde MH has committed to upholding the 12 sustainability principles of mechanical and plant engineering.

Another initiative that Linde MH is supporting with qualified environmental services is the Bavarian Environmental and Climate Pact. Participating companies are committed to conserving resources and using environmentally friendly technologies to achieve "green economic growth." To this end, topic-specific working groups have been formed to formulate goals and make recommendations for implementation. The working groups are supported by external experts where necessary. Linde MH has recently been awarded the Pact certificate, which is valid for three years.

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# Compliance and Responsibility

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# **COMPLIANCE AND RESPONSIBILITY**



With its company values of integrity, collaboration, courage, and excellence and the principles of the Group-wide KION Group Code of Compliance (KGCC), the KION Group is responding to the demanding expectations of the capital market, customers, and other stakeholders.

As part of the KION Group, Linde MH shares these values and is committed to full compliance with all applicable legal regulations, guidelines, and codes of conduct. Linde MH's comprehensive compliance management system is based on the KGCC, which defines guidelines for ethical, value-oriented, legally compliant conduct in business. The KGCC also provides a binding framework for engaging with colleagues, customer and partner companies, and the public.

As a German company, the KION Group is primarily subject to German law. At the same time, the KION Group is required to comply with the respective national laws at its locations. In the event that these national laws deviate from German law, the KGCC defines the procedure to follow within the Group. The point of contact in any case of legal doubt is the Compliance or Legal department.

The KGCC is available in 24 languages and is updated as required, with new topics and focus areas added to reflect the current legal situation and the current circumstances in the company. External parties can view the KGCC on the KION Group website.

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Responsibility for the Group-wide compliance management system lies with the Executive Board of KION GROUP AG. The Chief Compliance Officer leads the department and, together with the Compliance team, is responsible for further developing the compliance management system, providing advice and information on compliance issues, resolving cases of non-compliance, and providing appropriate training. Each Operating Unit has a full-time Compliance Officer who reports directly to the Chief Compliance Officer and supports the management of the respective Operating Unit with the implementation of compliance requirements. Local and regional compliance officers ensure that the activities in the subsidiaries comply with the law and regulations.

# **Effective Compliance Management System**

The effectiveness of the compliance management system is continually reviewed and refined. The system is based on the model of the IDW PS 980 auditing standard of the Institute of Public Auditors in Germany, and focuses on preventing compliance violations. The anti-corruption section states that the aim is to prevent, detect, track, and penalize corruption within the company. As part of its regular checks and short-notice audits, the Group Audit department checks adherence to the compliance requirements in KION GROUP AG and its consolidated subsidiaries.

In the year under review, the external audit of the compliance management system in the anti-corruption section was completed in accordance with IDW PS 980, based on ISO 19600. As well as assessing the effectiveness of the compliance management system, the audit also focused on the appropriateness and design of the system. In 2022, it was confirmed that the measures are effective, in accordance with the principles applied, in identifying risks of material non-compliance with reasonable assurance in a timely manner as well as preventing non-compliance.

As in previous years, work continued in 2022 in the areas of anti-corruption, data protection and IT security, foreign trade and export control, combating money laundering, fraud prevention (particularly in cybercrime), D&O liability, and the responsibility of the executives. The integration of compliance aspects into the internal control system, whistleblower protection, and anti-discrimination also remained a focus in the year under review.

The KION Group expressly supports the fight against all forms of corruption and bribery. To this end, it follows the approach of "prevent, detect, respond." No confirmed cases of competition or antitrust violations were recorded in the reporting year. There were also no confirmed cases of active corruption by employees.

#### Number of confirmed corruption incidents:

2022	2021	2020
0	0	0

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# **Multiple Reporting Channels**

Actual or suspected violations can be reported in person, by phone, mail, email, or via an online form. All KION Group employees—as well as external stakeholders—can report potential compliance violations around the clock via a whistleblowing tool and a dedicated hotline, anonymously if they wish. The whistleblowing system is available worldwide, but is tailored as closely as possible to local conditions. The reports made via the system are monitored and processed by the compliance organization and ultimately by the Compliance Committee, which includes the Chief Compliance Officer and the Audit and Legal departments. The KION Group's whistleblowing system has been adapted to take account of the transposition of the EU Whistleblowing Directive into German legislation.

All reported suspected cases are systematically reviewed and any detected violations are investigated using effective control measures, for example regular or special audits. Any cases of misconduct are subject to disciplinary action. If necessary, the compliance management system is adjusted to prevent future violations.

The Linde MH Compliance Committees established in Germany in 2021 provide a new independent, trustworthy point of contact. If anyone experiences or observes discrimination or harassment, they can get in touch with their responsible committee—and it goes without saying that this is in complete confidence. Similar bodies exist throughout the EMEA in accordance with national regulations. Compliance representatives are available to provide assistance at any time in all Linde MH countries.

#### Number of reports in connection with the whistleblowing procedure:

2022	2021	2020
57	55	16

# **Training**

As well as clear guidelines, there is also a wealth of information and a wide range of advisory services and training courses available. Through the work of compliance officers and representatives, Linde MH ensures that staff are always kept fully informed and up to date about all compliance issues and are aware of the importance of acting in a value-oriented manner. All new employees of the KION Group are required to complete mandatory training on the KION Group Code of Compliance—either via e-learning or, for employees who do not have a work PC, via in-person training. In addition, employees with compliance-critical tasks, for example in sales, regularly receive targeted live training.

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### Training conducted on business ethics issues:

In-person training courses (KION Group Code of Compliance, anti-corruption, anti-discrimination, anti-money laundering, conflicts of interest)

E-learning courses: KION Group Code of Compliance

E-learning courses: Preventing Corruption in the KION Group—the General Rules of the ABC Policy

E-learning courses: Professional Conduct at KION: Respect in the Workplace

E-learning courses: Preventing Money Laundering and Fraud at KION

E-learning courses: Avoiding Conflicts of Interest at KION

E-learning courses: KION Group—Preventing Anti-competitive Behavior

E-learning courses: General Data Protection

E-learning courses: Information Security Employee Awareness Training

The aim is to provide all KION Group employees with regular training on the most important topics (anti-corruption, avoiding conflicts of interest, antitrust and competition law, anti-money laundering, data protection, IT security, and human rights). Changes in legislation or internal regulations are also incorporated into in-person training courses, as are any new findings from the compliance management system. The training program was expanded in 2021 to include e-learning courses on respect in the workplace (anti-discrimination), conflicts of interest, whistleblower protection, and fraud with a focus on money laundering. E-learning courses on cybersecurity and antitrust law have also been added.

# Percentage of total workforce trained in business ethics issues:

2022	2021	2020
100%	98%	92%

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# **Compliance Audit of Business Partners**

Before KION enters into a new business relationship, external business partners must be assessed and appropriate documents must be provided. The business partner's economic background is checked and it is determined whether there are any other reasons not to establish a business relationship, for example because the business partner is on a sanctions list or there have been negative reports about them. In case of doubt, KION may refrain from doing business with this partner. KION also audits external partners based on a risk assessment.

The basic inspection is carried out using the business partner tool, which is managed by Corporate Compliance. The process involves checking customers and suppliers for certain indicators based on compliance lists. Corporate Compliance is responsible for performing this check against the relevant lists, as well as for evaluating the results and instigating any necessary measures. For external sales partners with a higher risk of corruption, such as dealers, importers, distributors, agents, or integrators, a multi-stage due diligence assessment is carried out by the responsible compliance officer before establishing the business relationship. For this assessment, information is obtained from the sales partners via due diligence questionnaires, through audits conducted using the business partner tool, and/or via external due diligence providers. The results of the due diligence assessment and the recommended measures, which may include stricter contractual clauses with inspection rights or additional monitoring of the cash flows, are communicated to the responsible bodies, such as the management.

# **Periodic Risk Analysis**

As part of a systematic analysis, the KION Group records and evaluates corruption and bribery risks on a regular basis throughout the Group. Money laundering risks and the risks of non-compliance with antitrust laws, tax compliance and human rights are also assessed. Non-financial risks that arise on an ongoing basis are screened, evaluated, and managed. Adequate measures are subsequently derived to eliminate both process and control weaknesses. The characteristics of the corruption perception index for the respective country, the size and structure of the local procurement or sales organization, and contact with public officials play an important role in the risk assessment. The analysis has already been completed for all Linde MH subsidiaries. There continued to be no significant compliance risks.

Percentage of all operating sites for which an internal audit/risk assessment has been conducted for business ethics issues:

2022	2021	2020
100%	100%	100%

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# **Data Protection and Information Security**

Data protection and information security are top priorities at Linde MH and are governed by guidelines applicable to the entire KION Group. The Data Protection Policy aims to implement technical and organizational measures to protect personal data, while the KION Information Security Policy focuses on safeguarding the confidentiality, integrity, and availability of information, aiming to protect the KION Group from related attacks. A range of Group works agreements and mandatory standards on topics such as IT security in the workplace and the management of IT systems, email, and the Internet are also in place. Samples and templates for the day-to-day handling of personal data and sensitive business information are also available. The Operating Units are responsible for implementing the central requirements. Those responsible for data protection and its coordination in the individual subsidiaries report to their respective management. At Group level, the Group Data Protection Officer reports to the Chief Compliance Officer, and the KION Group Chief Information Security Officer reports to the KION Group's Chief Information Officer who reports to the Executive Board of KION GROUP AG.

Protecting sensitive, personal data is a big responsibility. That is why appropriate, reliable processes and measures have been defined to protect this data and to comply with statutory provisions. Training programs and regular reports on the Social Intranet ensure that every single employee is familiar with the basic principles of data protection, reporting obligations, and the Group-wide compliance reporting system, and that they receive ongoing training in these areas.

Every year, there are around 100 million attacks on the KION Group's IT network, all of which have so far been averted. An important factor in this success is the continuous scanning for vulnerabilities across the entire IT and operational technology infrastructure. Regular training on IT security, global anti-phishing campaigns, a monthly video series on the Social Intranet, and instructions on how to secure the IT infrastructure also support IT security.

## **Information Security Management System**

At the end of 2022, KION started implementing an information security management system (ISMS) to ensure that sensitive information remains protected and the Group maintains its competitive position in the industry. The KION Group ISMS is based on ISO 27001 requirements (establishment, implementation, maintenance, and continuous improvement of documented security management processes) for the entire Group. A documentation framework has been established that sets out the requirements for information security.

In this context, the KION Group regularly analyzes potential or existing risks to information security. Where the risk analysis identifies an IT security risk or where there is deviation from a KION Group security standard, the risk is described and appropriate action is set out. Once the residual risk has been assessed, the risk owner decides on whether to accept the residual risk. It must then be reassessed regularly and safeguarded by means of renewed risk acceptance.

The Group Audit department regularly carries out special IT audits, which also cover information security.

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In April and May 2023, the KION Group headquarters in Frankfurt am Main and the Linde Material Handling headquarters in Aschaffenburg were the first sites to undergo the TISAX<sup>1</sup> assessment. Both sites successfully passed the audit and are now officially TISAX certified for the next three years.

A maturity level of 2.8 was achieved in the audit (2.1 is required to obtain a provisional label and 2.7 to obtain a permanent label). As part of the assessment, the auditor had to be provided with around 200 different pieces of evidence, including information security standards, standard operating procedures, security concepts, KPIs, and more.

In addition to the work underway at other sites that are set to be included in the ISMS scope in the course of the year, the focus will now also be on maintaining this established high level of information security and on ensuring that the building blocks of the system run smoothly in day-to-day business, for example, the performance of regular internal audits and reviews, information security risk management, and the planning and implementation of improvements.

### Number of confirmed information security incidents:

2022	2021	2020
1	0	0

#### Footnotes:

<sup>1</sup> TISAX® is a cross-company assessment and exchange mechanism for information security in the automotive industry. The aim is to protect data and its integrity and availability in the manufacturing process and in the operation of trucks.

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# Good Employer

**Good Employer** 

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# **GOOD EMPLOYER**



The Group-wide HR principles are governed by regulations and include minimum standards for employment and diversity principles. They also guide HR activities, such as the design of training and development programs, career opportunities, employee surveys, and employee share plans. The KION Group Code of Compliance provides the framework for legally compliant and ethical employee behavior.

The Group-wide minimum standards are based on the core labor standards of the International Labour Organization and ensure freedom of association and the right to collective bargaining. They prohibit forced or compulsory labor and child labor, as well as discrimination in employment or occupation. They also represent the core human rights that KION is committed to respecting. Furthermore, the KION Group is committed to high standards of occupational health and safety worldwide as well as a level of remuneration that is in line with national industry standards and in any case ensures a living wage. As in previous years, no violations of the minimum employment standards were reported in 2022.

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# A Great Place to Work

As a top employer, Linde MH offers an exciting working environment, excellent international career opportunities, and attractive remuneration. But to motivate people to give their best, day in, day out, it is also important to offer interesting projects, long-term prospects, great team spirit, and a wide variety of development opportunities. Diversity also plays a key role. Undoubtedly, even more needs to be done here in the company to become even better—especially when it comes to work-life balance.

# Flexible Work Organization

The ability to work efficiently and flexibly from anywhere promotes a healthy work-life balance. There has been a works agreement on teleworking in place for German sites since 2012 and on mobile working since 2022. The regulations are very flexible in order to meet the different needs of employees as well as those of internal and external customers.

Mobile working at Linde MH is organized differently depending on country-specific requirements and regulations. Fenwick-Linde in France, for example, has a collective agreement on teleworking and a flexitime scheme with the option of taking half a day off per month. In addition, employees can access psychological support from an independent expert. People with disabilities get an extra day off and parents are entitled to leave when their children are ill. There are similar agreements in place in the UK, and these are set to be expanded in the future. Parents of children up to the age of eight and carers can apply for leave days under a collective agreement. During the summer vacation, the company offers funded childcare.

In Germany, all employees at the headquarters and the production site in Aschaffenburg-Nilkheim have the option of registering their children aged between 3 and 12 with the "Sommerkinder" (Summer Children) program during the Bavarian summer vacation. A varied program of activities, including excursions, is offered for the children throughout the vacation period from 7:30 a.m. to 5:00 p.m., and all activities include an educational element. The flexible booking options during the vacation make parents' lives a lot easier and help them to balance their work and family life. The costs are borne by the former recreation allowance, so only the children's meals need to be paid for by the parents themselves.

To support a healthy work-life balance, Linde MH Germany is committed to the following principles, among others:

- We encourage part-time work.
- We offer flexible working time models.
- We prioritize family-friendly times when scheduling appointments.
- We grant leave during vacation periods.

In addition, a co-creation office space planning concept with desk sharing was introduced at the central site in Aschaffenburg in the year under review. The aim of this concept is to create a modern working environment that meets the operational requirements for the space. These range from focused content development tasks to interdisciplinary idea-sharing sessions driven by inspiration and creativity. The aim is also for the office to become even more of a place where employees can socialize and learn from each other.

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# **Compensation and Additional Benefits**

The entire workforce is compensated fairly in line with market conditions and performance. Compensation is reviewed annually and adjusted as necessary to reflect individual performance and qualifications as well as potential changes in conditions. Linde MH compensation models vary depending on national labor market conditions and legislation.

# Employees with a collective bargaining agreement:

2022	2021	2020
73.2%	68.2%	75.3%

Collective agreements govern wages and salaries in many countries and for large parts of the workforce, with minimum wage requirements always being observed. As many employees are highly qualified, however, remuneration is usually significantly higher than the prescribed level. Depending on local conditions, compensation may be supplemented with additional benefits, such pension, insurance, and healthcare plans. Since 2013, for example, employees have had the opportunity to participate in the success of the KION Group via the KION Employee Equity Program (KEEP).

The principle of equal pay for equal work applies, irrespective of gender. Equal pay is regularly assessed at Linde MH. For example, Linde Material Handling Schweiz AG has been awarded the Fair-ON-Pay+ certificate. The Fair-ON-Pay process uses the equal pay analysis tool Logib, which is recognized in Switzerland, to determine whether the current Swiss requirements for equal pay are being met. The results are supplemented with clear and meaningful evaluations and concrete recommendations for specific improvements.

Although Linde MH faces significant challenges, particularly due to the global procurement crisis, the company was able to implement an enhanced production program in the 2023 financial year thanks to the comprehensive measures it has taken to improve material supply and secure supply chains. In recognition of employees' hard work and commitment, the company currently offers a monthly voucher and a performance bonus in addition to the regular salary.

# **Psychological Support**

In times of significant social upheaval, personal and professional problems can also multiply. These are increasingly being reflected in the workplace, but can rarely be solved there. The issues range from excessive debt, personal stress, grief, and addiction on the one hand to burnout, mental underload, professional conflicts, and a loss of worklife balance on the other.

At Linde MH, employees have access to the advisory services offered by the integration service (Integrationsfachdienst, ifd) of the German workers' welfare association Arbeiterwohlfahrt. The ifd offers professional psychosocial services and all employees can use the services anonymously without the company being informed. Linde MH covers the costs of the advisory service. From 2023, the offer is to be replaced by the Employee Assistance Program, which offers professional help in almost all circumstances by telephone, online, and in person, in various languages, 24 hours a day, 365 days a year.

In addition, a "Stressless" toolbox comprising various measures was created in the year under review to support employees in their everyday lives. These measures help employees to approach their duties with a cooler head, to build up resources, and to reduce stress. They provide information on what causes stress and guidance on how to reduce it.

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Managers are also supported in this area: An external service provider held a series of informative presentations for managers in 2023 to support them in their efforts to reduce mental stress among the workforce and to improve their health knowledge so that they can recognize early warning signs and act accordingly. It is crucial to focus the conversation on employees as an important part of the company to ensure successful cooperation in all matters and to protect employee health.

#### Feedback

Employees usually receive feedback on their work primarily from their supervisor. 360° feedback at Linde MH therefore also includes the perspective of colleagues and—in the case of managers—their employees by involving these individuals in a structured process as feedback providers.

# Percentage of employees across all sites who have received regular performance and career development reviews:

2022	2021	2020
84.7%	86.8%	95.3%

# **Constructive Collaboration**

The Linde MH management and works council meet regularly to discuss day-to-day matters. The European Works Council, which represents the interests of the workforce across the EU on cross-country issues, holds regular meetings with the KION Group Executive Board. The aim of these meetings is to establish a cooperative relationship with trade unions and those representing the interests of employees.

# Sites where local employee representation exists for more than 75% of the workforce:

2022	2021	2020
59.1%	52.2%	60.5%

In addition, as a further transparency measure by Linde MH, "campfire" meetings take place every six months. These meetings provide a confidential, protected space where employees can ask questions, express opinions, and also raise concerns to a member of the management.

The KION Group also conducts the KION Pulse global employee survey once a year. Overall, 77% of all employees took the opportunity to provide their feedback in 2022. The results help the company to ensure that it is taking the right action to further improve employee engagement and motivation, which in turn ensures sustainable growth for the Group.

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# **Training and Further Development**

Employee development is a top priority in Linde MH's HR strategy. Group companies cooperate closely on talent management matters and on training and development programs. The Organization Capability Talent Review (OCTR) process supports this goal. OCTR is an integrated process of performance, talent, and succession management that supports all employees throughout the company.

The identification and development of talent and succession planning enables the Group to offer employees more opportunities for further development. The development programs cover all employment groups and include everyone from talented junior staff to experienced executives.

Numerous courses on methodologies, foreign languages, and specialist topics are offered as part of these programs, and are designed to help employees quickly and efficiently adapt to new requirements. Linde MH is also preparing to roll out Workday's new training functionalities. The online tool will give all employees access to courses, videos, and files, as well as their own learning history, and will allow them to suggest new topics.

### Average hours per employee for training and development<sup>1</sup>:

2022	2021	2020
13.1 <sup>2</sup>	10.9 <sup>3</sup>	8.9 <sup>3</sup>

<sup>1</sup> According to the entities surveyed in the KION Group, EMEA region.

# Percentage of employees at all sites who have undertaken professional or competence-based training or further development:

2022	2021	2020
100%	100%	100%

# **Diversity**

Diversity, equality, and inclusion are an integral part of HR work at Linde MH. Everyone deserves the same opportunities to realize their potential and grow professionally. It is important to respect the dignity of all people and to value employees regardless of gender, ethnic or religious affiliation, age, cultural background, or other characteristics. Rules and guidelines have therefore been established that make it clear that discrimination, bullying, and harassment have no place in the company. Misconduct is always sanctioned, like any other violation of the KION Group Code of Compliance.

Anyone who experiences or observes discrimination, bullying, or harassment is encouraged to contact the Linde MH Compliance Committee. This independent body receives and investigates reports and provides support and assistance to anyone affected. Its main aim is to create a "speak-up culture" for all employees, leaving no room for discrimination. All employees are encouraged to report incidents and stand up for each other.

<sup>2</sup> Austria, Czech Republic, Denmark, France, Germany, Italy, Norway, Slovakia, Sweden, and UK.

<sup>3</sup> Germany, UK, France, and Italy.

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The Compliance Committee supports and advises the employee concerned throughout the processing/investigation of the report as well as after this process has been completed (e.g., by arranging psychological support). The committee maintains regular communication with the HR department throughout the process. It recommends disciplinary measures where necessary and coordinates communication and any training measures. This topic is also addressed during annual mandatory compliance training on respect in the workplace and measures combating discrimination and harassment.

#### Total discrimination incidents:

2022	2021	2020
0	0	0

The elected works council is also available to support those affected or to help them assert their rights. Of course, the official KION Group reporting channels are also available to all employees. These include the anonymous whistleblowing hotline.

Linde employees came together in Aschaffenburg during a day of action to form a human chain as a symbol of respectful cooperation in everyday working life. They also signed a truck from the yard fleet that had been branded with the word "respect" as part of the event—and this truck has been visibly present at the plant ever since.

#### **Awareness Month**

As a cross-functional, KION-wide body made up of executives from all Group companies, the aim of the Diversity & Inclusion Council is to define, implement, and review the success of sustainable measures to promote diversity, inclusion, and equality. One of its first measures is Diversity & Inclusion (D&I) Awareness Month. For one whole month, the focus is on celebrating differences, creating an inclusive and respectful workplace culture, and supporting justice and fairness for all. All employees are invited to get involved and to learn more about the topic—whether that is by attending the keynote presentations rolled out worldwide or by participating in one of the many local activities organized—or even by arranging an activity themselves. All participants are also encouraged to share their experiences and ideas with their colleagues on social media using the hashtag #KIONisdiverse.

Various activities took place as part of the awareness month in June 2023 at Linde MH in the Aschaffenburg plant and at the KION Group head office in Frankfurt. For example, apples engraved with the D&I logo were given out with an invitation to attend a "blind date." The aim of the blind date was to give all employees the opportunity to speak to colleagues they had never met before during their breakfast or lunch break. Initiatives like these are welcome as they encourage more openness and diversity in the company.

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# Increasing the Proportion of Women

Linde MH, just like the rest of the KION Group, aims to increase the proportion of women in the company. To that end, a new social media campaign aimed specifically at women was launched in 2022. The campaign aimed to increase interest in technical professions among women and raise awareness of the importance of gender diversity in this field.

In addition, the Female Mentoring Program—a platform for the mutual exchange of knowledge and experience—provides targeted support throughout the Group for women who are in management positions or are planning to take on a management role in the near future. The individual advice and trusting support that mentees get from their mentors enables them to gain new insights and to develop on both a personal and professional level.

### Percentage of female employees:

2022	2021	2020
17.3%	17%	16.2%

# **Accessibility**

Everyone should have the opportunity to realize their potential at work. That is why Linde MH is constantly striving to create an accessible working environment. The internal representative body for employees with disabilities represents the interests of severely disabled employees vis-à-vis the employer and provides them with support and advice. It ensures that the applicable regulations for severely disabled people are met and applies for appropriate measures from the responsible internal or external bodies. The body also receives suggestions and complaints and works to resolve them within the company.

For example, it makes sure that the recruitment process is barrier-free and examines how individual positions can be adapted to specific needs. In addition, processes have been put in place to ensure continued employment in the event of constraints and to facilitate reintegration into the workplace.

In France, for instance, Fenwick-Linde has been promoting the employment of people with disabilities for 12 years. In addition, where possible, contracts are also awarded to organizations that operate sheltered workshops. Guidance on working with people with disabilities has now also been drawn up with the aim of combating stereotypes and raising awareness among managers.

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# **Human Rights**

The KION Group introduced its International Minimum Employment Standards (MES) Policy in 2014. These minimum standards ensure that universally recognized human rights and the ILO Core Labor Standards are anchored in all employment relationships. We must scrutinize our own actions, identify potential risks for employees, and monitor compliance with the defined standards. This monitoring is carried out in various ways, including the review of personal data and requested information, interviews conducted as part of audits by the Internal Audit department, and the review of reports made to KION Compliance, in particular via the whistleblowing hotline. All employees and individuals both inside and outside the company are encouraged to report any issues related to compliance or violations of the compliance system, including child labor, slavery, and/or human trafficking.

Linde MH always checks the age of applicants before they are hired by obtaining their social security number and thus their age. To protect young employees, Linde MH has appropriate training and occupational health and safety departments.

### Employees of school age:

2022	2021	2020
0	0	0

Independent auditors review the sustainability report and data at the KION Group level every year. They also carry out site visits—attending different sites every year—to ensure that the data is correct and that all the rules are being followed. Every single site conducted a human rights review in 2022.

#### Incidents of forced and compulsory labor:

2022	2021	2020
0	0	0

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# **HEALTH AND SAFETY**



A Group-wide KION HSE standard has been in place since 2018. This standard provides the basis for uniform requirements and processes within the Group. Additional HSE regulations have been specifically set out for the legal entities as well as the sales and service companies. The regulations take into account work-specific and regional circumstances and are continuously adapted to new conditions.

At Linde MH, these Group-wide standards provide the guidelines for operational HSE implementation. Not only do these detailed regulations meet legal health and safety requirements, they often go above and beyond. This is because Linde MH always aims to ensure that its employees can do their work as safely as possible and the environmental impact is kept to a minimum.

Since 2019, the Group-wide "Golden Rules of Occupational Safety" have been helping to reduce accidents with specific instructions for managers and employees. They are communicated widely throughout the company and are proving to be successful.

Health and safety is part of the corporate strategy. This also applies to external companies that work for Linde MH. It is important that their activities are managed in such a way that the safety of the contractor's and client's employees, as well as visitors to Linde MH, is guaranteed and the applicable safety regulations are observed.

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# Health in the Workplace

Employee health is always a top priority at Linde MH, so a wide range of measures are taken to promote awareness of a healthy lifestyle. As well as providing health-related information, many sites offer preventive health checkups, dietary advice, and vegetarian dishes in the canteen. In Aschaffenburg, for example, employees can arrange a consultation with a company doctor every three years.

All Linde MH employees can access confidential in-house social counseling free of charge. This service includes solution-oriented support in overcoming crises, referrals to other institutions such as doctors, psychotherapists, counseling centers, and authorities, and face-to-face or telephone consultations.

# Safety: Prevention Rather than Reaction

In accordance with the HSE standards, all workplaces at Linde MH regularly undergo a comprehensive risk assessment, from production and office spaces through to the working conditions of service technicians on customer premises. The aim is to ensure that employees come into work healthy and go home healthy—without any occupational diseases at the end of their working lives.

A site-specific HSE risk assessment was carried out for the first time in 2017. The assessment looked at the focal points of activity on site, existing facilities, and the management system in place. Based on these factors, the KION Group—including Linde MH—is classified as medium risk in terms of HSE across all industries. This one-off assessment has since evolved into an ongoing tracking process. The aim is to continuously update the risk assessment criteria and carry out high-impact assessments for new sites.

Part of this risk assessment also involves evaluating mental stress in the workplace. This is done by completing a systematic questionnaire to assess the risk to employees' mental health due to stress, psychological fatigue, monotony, mental satiation, and emotional exhaustion and determine specific countermeasures.

#### Sites that communicated a risk assessment:

2022	2021	2020
89%	97.8%	100%

# **Handling Working Materials and Hazardous Substances**

Special care must always be taken when handling hazardous substances. An interdisciplinary hazardous substances committee therefore monitors all listed working materials along with their safety data sheets, legal aspects, and application methods, encourages their replacement with less harmful substances where necessary, defines protective measures, and is responsible for the approval of new substances.

All employees who work with a hazardous substance and all persons who may come into contact with hazardous substances are informed verbally about the hazardous substances and the correct, safe procedures for handling these substances at least once a year. This includes potential hazards, protective measures, rules of conduct, and emergency measures, and may be supplemented by practical exercises. If a health and safety hazard cannot be eliminated by technical and organizational measures, the use of personal protective equipment is required.

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# **Emergency Management**

In emergency management situations (in the event of an accident, a fire, or an unforeseeable situation), employee behavior has a decisive influence on the subsequent course of events. For this reason, Linde MH has introduced a process that ensures an appropriate, rapid, and organized response.

As well as preventing adverse effects for the company, this can have a positive impact on the public perception of the company and its relationships with customers, suppliers, investors, and employees. In this way, Linde MH creates trust and is able to use a negative situation that could affect any site and any employee to positive effect.

Up-to-date emergency plans are therefore available at all sites. These plans set out the most important information needed in an emergency in bullet point format, and are displayed in a clearly visible location, such as near the entrance or next to the fire extinguishers. Site management are responsible for preparing these plans, and are supported in this task by their safety specialists and the fire protection officers (if available).

Accidents and near-accidents are recorded and carefully analyzed at all sites using various tools. In Switzerland, for example, a special reporting app has been introduced to learn from unsafe or dangerous situations. Employees can use this app to report risk situations online so that appropriate preventive measures can be taken to prevent them arising again in the future. The reported situations and the countermeasures taken are available on the Intranet and can be viewed by all employees.

# **Training**

Regular training and instruction in occupational health and safety ensures employees and designated individuals (e.g., first responders, fire safety officers) are able to respond quickly and appropriately in hazardous situations. All conceivable company-specific incidents and scenarios must be covered, because in the event of an accident or fire, how employees respond will have a decisive influence on the subsequent course of events.

New employees must complete workplace-specific training on the hazards relating to their activities and on protective measures and appropriate conduct in case of emergency before starting work for the first time and at least once a year thereafter. The precise nature of this training depends on the respective requirements.

Safety training includes (but is not limited to) the following topics, and is the responsibility of the respective manager:

- safety-related responsibilities of employees and managers
- conduct in an emergency (emergency call, escape routes, assembly point, etc.)
- procedure for reporting accidents in the company
- emergency contact information
- first aid and emergency equipment
- procedure and equipment in the event of fire
- general, company-specific safety precautions
- smoking and alcohol policy
- use and availability of personal protective equipment
- safe handling of hazardous substances
- safe use of machines, cranes, and forklift trucks
- the company's environmental requirements
- potentially explosive atmospheres
- carrying out manual activities
- wellbeing and hygiene
- safe use of tools and portable electrical equipment
- safety awareness, performance incentives, and behavior-based training.

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As part of the KION-wide training program for HSE specialists and managers, a comprehensive training package promoting a more proactive approach to HSE has been offered for the first time. Additional training should also be conducted as and when needed—especially after (near) accidents. Any employees who miss a training session must attend follow-up training at the earliest opportunity.

#### Employees who have been trained in health and safety:

2022	2021	2020
100%	100%	100%

#### Field Service and Management of External Companies

Customer service employees ensure that Linde forklift trucks are always ready for use. Repair and maintenance work is often carried out directly on customers' premises. To ensure optimal occupational health and safety for employees when working off-site too, the Service Compendium and the Linde Service Guide summarize key aspects and guidelines for safe off-site work and provide specific advice for practical implementation at the customer. Besides creating safe working conditions, they also address the ergonomic design of workplaces and service vans.

External contractors are required to inform their employees and any subcontractors about the regulations set out in Linde MH's HSE information sheet before starting work at a Linde MH plant. Whenever there is a change in personnel, supervisors must also inform first-time employees about the specific requirements applicable to the work or construction site before starting work, then regularly thereafter and in any case at least once a year.

#### Occupational Health and Safety Key Figures

The key figure associated with the sustainability target of reducing the number of occupational accidents and lost time due to illness is the Lost Time Injury Frequency Rate (LTIFR1), which currently stands at 9.5 and is not expected to exceed the limit of 11 in 2023. Going forward, the aim is to reduce this limit and hence the accident frequency by at least 5% a year.

#### LTIFR (Lost Time Injury Frequency Rate<sup>1</sup>):

2022	2021	2020
9.5	11.9	10.9

<sup>1</sup> Frequency of accidents with working days lost relative to one million hours worked.

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#### LTI (Lost Time Injuries<sup>2</sup>):

	2022	2021	2020
Employees incl. trainees	208	255	190
Employees on a fixed-term contract	13	33	1
Contractors, guests, other	5	7	3

<sup>2</sup> Number of occupational accidents resulting in the loss of at least one working day.

Every year, the best HSE achievements of various teams from the Group's plants around the world are assessed as part of the KION HSE Championship. Linde MH regularly comes top of the leaderboard, especially in terms of occupational safety. But more importantly, the competition has led to numerous innovative and successful safety improvements, which have then been implemented throughout the Group. Examples range from color-coded safety areas and special emergency and communication columns to driving safety training to make employees' commute to work even safer.

#### Sites with an official joint health and safety committee:

2022	2021	2020
88.2%	89.1%	89.7%

#### **Audits and Certifications**

HSE certifications ensure that all relevant HSE data is available in the required quality at all times so that corrective action can be taken quickly if necessary. The assessment results also provide important points of reference for the strategic development of future activities. The KION Group's current strategy is that all sites should be certified in accordance with ISO 45001. However, managers should be aware that this certification requires a higher standard than that specified by local legislation.

#### Sites certified in accordance with ISO 45001:

2022	2021	2020
81.5%	74.3%	59.2%

Regular HSE audits are also essential for the local organizations, as they examine the HSE management system at different intervals. These audits also ensure that all elements of the HSE system are observed on site. Internal audits are carried out regularly, on at least a quarterly basis, by a qualified individual.

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# **ENVIRONMENT**



# **Certified Environmental Management**

As part of its HSE management, Linde MH aims to minimize its negative environmental impact. In particular, the company aims to use resources responsibly and consistently reduce its local environmental impact. To do this, Linde MH pursues an indicator-based approach, focusing on energy and greenhouse gas emissions, water, and waste.

Under the company's integrated HSE management system – which covers health and safety in the workplace, the environment and energy – the Executive Board and all managers are required wherever possible to ensure processes and production operations are environmentally friendly and energy efficient, to avoid waste wherever possible, to use natural resources such as water, soil, and raw materials sparingly and responsibly, to avoid or reduce emissions released into the air, water, and ground, and to actively support the reduction of greenhouse gas emissions generated by business activities.

Linde MH sites are committed to implementing the Group-wide KION HSE standard. In addition, some Linde MH sites are developing specific strategies to take local conditions into account. To support these efforts, an HSE officer has been appointed for each national subsidiary.

A key sustainability target in the corporate strategy is for all sites to obtain ISO 14001 (environmental management) certification by 2024. Regular audits provide transparency regarding sustainability performance as well as the basis for continuous improvement in this area.

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#### Sites certified in accordance with ISO 14001:

2022	2021	2020
84.8%	80.5%	75.2%

### Energy

Since 2020, all Linde MH plants in Germany have been procuring their electricity from renewable sources. Linde MH's switch to green electricity is not just beneficial for the environment—it also has the potential to generate significant cost savings. An electricity contract for the KION Group's sites in Germany and the Czech Republic shows how the use of renewable energies can make both environmental and economic sense.

Linde MH's production sites with the highest energy consumption are now certified according to ISO 50001 (energy management) and are regularly assessed as part of the current certification cycle. This also eliminates the need for the prescribed four-yearly energy audit because the certification requires the implementation of an energy management system, including the regular review of all key figures and the completion of internal audits. The certification enables energy efficiency to be continuously improved in accordance with certain rules. For example, at the warehouse technology plant in Châtellerault, the building technology enables the operating times to be determined based on the outside temperature or sunlight, which generates significant energy savings. The team in Châtellerault initiated the certification process back in 2013, and it was completed in 2015. This makes the plant a pioneer in the KION Group to this very day.

At new Linde MH sales and service locations, appropriate technical standards for construction and building technology help to save energy. These include—for example, at Willenbrock Fördertechnik in Burgwedel—energy-efficient façades and alternative heating systems (e.g., air source heat pumps), LED lighting with daylight control, green roofs, insect-friendly systems, and preparations for the installation of photovoltaic systems.

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There are numerous other examples of energy savings achieved through process optimization in the company:

- Thanks to a precise process analysis, significant energy savings have been achieved on the powder painting line at Linde MH's largest plant in Aschaffenburg. Some 20 fans and 4 cooling towers were being used to provide the mast cooling for the paint shop. The process analysis showed that there was no need for this many resources and that the energy consumption was therefore too high. By optimizing the cooling zones, one cooling tower and four fans could be switched off, resulting in energy savings of approximately 25% for this process and reducing electricity consumption by approximately 210,000 kWh per year.
- LED lighting instead of fluorescent tubes: By converting the hall lighting from neon tubes to LED lighting in Aschaffenburg, some 1211 tons of CO<sub>2</sub>e are saved every year.
- Own renewable energy production at LMH Ibérica Spain: The installation of 252 solar panels (each 440 Wp) on the roof in conjunction with two inverters with remote control and monitoring has generated savings of 380,000 euros and around 10.5 tons of CO<sub>2</sub>e annually.
- By switching from a mix of energy sources to 100% renewable energy, Jetschke Industrie in Germany has been able to achieve annual savings of 1100 euros and 19 tons of CO<sub>2</sub>e.
- Reducing compressed air leaks cuts energy consumption: Leaks lead to higher energy consumption and higher costs, which should be avoided for economic and environmental reasons. A single one-millimeter leak costs around 500 euros per year in wasted energy. That is why the team at Linde MH Aschaffenburg meticulously searches for and eliminates leaks in the compressed air network, for example by replacing maintenance units, tools, shut-off valves, vents, or porous compressed air hoses. These optimization efforts generate annual savings of as much as 51 tons of CO<sub>2</sub>e at Aschaffenburg.

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## Energy consumption (GJ):

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1,079,340	1,143,040	882,211
812,178	871,715	705,359
332,040	345,620	322,359
27,011	23,307	23,433
20	620	20
6,371	2,459	2,609
83	65	66
141,279	158,171	123,324
280,223	316,201	214,341
7,124	7,889	8,124
18	0	0
14,074	12,775	11,083
3,455	5,166	0
477	0	0
267,162	271,325	176,853
258,485	262,359	168,686
8,677	8,966	8,166
	1,079,340  812,178  332,040  27,011  20  6,371  83  141,279  280,223  7,124  18  14,074  3,455  477  267,162  258,485	1,079,340       1,143,040         812,178       871,715         332,040       345,620         27,011       23,307         6,371       2,459         83       65         141,279       158,171         280,223       316,201         7,124       7,889         18       0         14,074       12,775         3,455       5,166         477       0         267,162       271,325         258,485       262,359

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#### Water

Linde MH and its production facilities are based in regions with sufficient water supplies and good local infrastructure. The company makes sure that all facilities on its premises comply with the applicable safety and environmental regulations and are regularly checked to ensure that they are in good working order.

Measures have been taken at the plants to reduce water consumption, such as the instruction to wash company vehicles only when necessary. Existing plants and equipment are updated whenever buildings are renovated or facilities are upgraded or installed:

- The powder painting line at the Aschaffenburg plant has been at the cutting edge of technology since 2019. The process is fully automated and completely eliminates pollution, volatile organic compound emissions (VOCs), and the need for water treatment thanks to the technologies in place. Solvent emissions alone have fallen by almost 25 tons per year.
- At the Weilbach production site, a special sweeper has been commissioned to effectively filter out the fine dust at the foundry. Equipped with state-of-the-art filter technology, the machine almost completely eliminates fine dust emissions—even particles smaller than 1 µm are removed, meaning that even bacteria get trapped in the filters. What's more, the super quiet machine needs only 40% of the previous water volume and is more energy-efficient.
- At the same site, closed cooling circuits are used for sand conditioning and in the cupola furnace to reduce water consumption. In these systems, the main aim of the coolant treatment is to prevent corrosion by means of softening or desalination and chemical dosing. This means that salted-out water is rejected only when the salt content reaches a certain level.
- Willenbrock Fördertechnik conserves water by using a cistern to collect rainwater. With a capacity of 20,000 liters, it can collect a large amount of water during heavy rain, which is then used to flush toilets in the building and irrigate green outside spaces.
- At the Barcelona site, a washing plant with water treatment has been installed to reuse water and keep water consumption to a minimum.

Linde MH's business activities have only a very minor impact on water quality, so apart from the use of light liquid separators, there is no need for any further pretreatment of wastewater prior to disposal. Nevertheless, Linde MH has its wastewater regularly monitored by external analyses, which are in turn monitored through internal reporting processes (quantities, treatment methods). Water withdrawals and wastewater are regularly monitored by means of monthly sampling and analyses, for example.

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Key figures on water withdrawal and wastewater can be found in the table.

#### Water withdrawal (m3):

	2022	2021	2020
Total quantity of water withdrawal	140,942	153,409	105,818
Ground water	9,575	9,046	7,417
Municipal water supply	131,367	143,863	97,901
Water withdrawal from other sources	-	500	500

#### Climate Protection

The efforts being made worldwide to limit global warming and tackle the associated challenges require proactive, future-oriented action to protect the climate—including from Linde MH and its partners. In addition to its own direct activities, the KION Group works closely with its customers, suppliers, and business partners in various areas such as energy consumption, resource efficiency, the reduction of GHG emissions, and adaptation measures.

KION's climate and energy management strategy is based on the agreement concluded at the United Nations Climate Change Conference in Paris in 2015 (Paris Agreement). In 2017/2018, a science-based climate target was formulated to reduce the Group's energy-related emissions (Scope 1, 2, and 3) by 30% by 2027 compared to 2017. In 2021, the company began a comprehensive review of its current climate strategy.

As a significant interim result, new strategic targets have been developed that are fully aligned with the current criteria of the Science Based Targets initiative (SBTi). As well as expanding the scope of the climate targets to include further Scope 3 emissions, the Net-Zero Standard for companies to limit global warming to 1.5°C compared to pre-industrial levels in accordance with the Paris Agreement is taken as a basis. The corresponding final resolution by the boards of the KION Group is expected in 2023.

Following these new targets, the company intends to achieve a clear reduction in GHG emissions in the value chain by 2030 (near-term) and to pursue a path toward net zero by 2050 at the latest (long-term; Scope 1, 2, and 3). The strategy takes into account carbon dioxide (CO<sub>2</sub>), which makes up the largest share by far, but also other greenhouse gases (GHG) such as methane, nitrogen oxide, hydrofluorocarbons, sulfur hexafluoride, and nitrogen trifluoride where possible and relevant. By setting these targets, the Group is also preparing for new regulations such as the European Green Deal and the EU Taxonomy.

To enable the effective and efficient control of its GHG emissions and energy use, the KION Group has set up a comprehensive climate management system that covers its own operations as well as other parts of the value chain, from production to use and reuse at the end of the current product life cycle. The internationally recognized rules of the Greenhouse Gas Protocol serve as the basis for the calculation and presentation of data on GHG emissions.

With regard to Scope 1 and 2, GHG emissions and energy consumption in the company are being reduced further by improving processes and using more energy-efficient technologies. Continuous measures initiated through the local energy or environmental management systems (for example, switching to energy-efficient motors and recovery of waste heat in production, optimization of heating systems and building infrastructure, LED technology, and transport optimization in sales and services) are combined with central initiatives, for example to convert

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the in-house vehicle fleet to low-carbon drive technologies or to promote the increased sourcing of energy from renewables and further options for self-generation based on renewables.

In Scope 3, relevant categories are taken into account based on a materiality analysis of GHG emissions. The largest category by far—the emissions of products in the use phase—is prioritized. In addition to product design, customers are encouraged to factor sustainability aspects into their decision when choosing a solution and to use the products in a more energy-efficient way and on the basis of energy from renewable sources. There is also a particular focus on the emissions of purchased goods and services, i.e., material and supplier-specific GHG emissions, as the second-largest emission category besides Scope 1 and 2. For both major Scope 3 categories, the gradual integration of insights from life cycle analyses and material, supplier, and customer data as well as measures to engage partners in the value chain are ongoing (for further information, see the KION Sustainability Report 2022).

#### Greenhouse gas emissions (kg $CO_2e$ ):

	2022	2021	2020
Scope 1, market-based	57,728,410	61,558,646	56,144,275
Scope 2, market-based	5,557,200	5,443,837	4,260,048
Scope 3.3 <sup>1</sup> , location-based	15,626,026	16,173,164	13,579,963
Total emissions	78,911,636	83,175,647	73,984,287

<sup>1</sup> Indirect (upstream) fuel and energy-related greenhouse gas emissions.

#### CO<sub>2</sub> Compensation via Certificates

In addition to the company's own emission reduction measures, compensating for unavoidable emissions with climate protection certificates is another way to effectively mitigate climate change. Thanks to this approach, Linde Material Handling (Schweiz) AG has been delivering equipment to customers in Switzerland in a carbonneutral way since July 2022, making it one of the first intralogistics companies to offer climate-friendly transportation. The company works with Swiss Climate to purchase emission certificates and support selected climate protection projects.

Thanks to these efforts, Linde Material Handling (Schweiz) AG has successfully offset 32.4 tons of CO<sub>2</sub> via a climate protection project. The supported project generates renewable energy from sawdust produced during the production of raw material for paper manufacture. The sawdust is reused as biomass to produce water vapor, which in turn serves as the energy source for the production of raw material. This regenerative system therefore enables fossil energy sources to be replaced as a heat source. The biomass project is one of the only climate protection projects in Europe to have been awarded the "Gold Standard."

All German companies in the Group also offer their employees the opportunity to use a portion of their gross pay to lease a bicycle, which they can then also use privately. By offering this scheme, Linde MH is responding to the wishes of many colleagues while at the same time promoting sustainable mobility. Furthermore, new company car regulations were introduced at Linde MH Nordic Markets (Denmark, Sweden, Norway) in 2022 meaning that only hybrid and purely electric cars are now permitted.

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## Other Monitored Emissions

Linde MH buildings are usually located in industrial areas where no residents live. Ongoing checks and measurements have shown that noise barriers are not needed. However, the company does employ internal noise protection measures, such as enclosures for the relevant work areas, roller shutters in workshops, and personal protective equipment.

Linde MH has systems for filtering exhaust air (e.g., exhaust gases, paint, welding fumes) at many sites as well as dedusting systems in trucks. Highly effective filter systems are installed in the foundries in particular to minimize the release of fine dust into the atmosphere and the environment. Where emissions are generated by painting and heating systems, Linde MH uses highly effective combustion processes that minimize the gases emitted into the atmosphere and pump the heat generated back into the buildings.

#### Other monitored emissions into the air (kg):

	2022	2021	2020
Total quantity of other significant air emissions	119,406	133,197	97,588
Carbon monoxide (air emissions, CO)	11,034	10,300	5,352
NOx	18,097	27,641	19,227
SOx	34,068	29,861	22,831
Volatile organic compounds (VOCs)	36,836	41,699	38,448
Fine dust (PM)	3,389	2,504	1,528
Other emissions into the air	15,982	21,192	10,202

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# **Resource Efficiency**

To conserve resources, there are opportunities for truck refurbishment at almost all sales and service entities at Linde MH, as well as return systems for batteries and partnerships for the return and recycling of tires. The refurbishment process extends the service life of forklift trucks and improves material efficiency and the environmental balance (e.g., carbon footprint, energy consumption, VOC emissions). This significantly reduces the overall demand for energy and raw materials, as well as the amount of waste generated.

The mixed production line in Aschaffenburg, where several different truck models are assembled on the same line, is another way in which the company is using resources more efficiently. As well as offering economic advantages, this production method is also extremely beneficial from an environmental perspective: The smaller production area reduces the need for raw materials and energy for the construction, operation, and maintenance of the infrastructure. The forklift trucks built on the mixed model line have also increased the degree of automation in production, for example through the use of robot welding. This not only has environmental benefits, such as reducing power peaks, but also health benefits, as employees in many areas are no longer directly exposed to the hazards of the welding process, such as heat and smoke.

It is standard practice to make the most economical use of resources at the Weilbach site, too: Parts that are indispensable for all forklift trucks have been cast here since 1975. The team at the foundry produces counterbalances that are made of 100% melted scrap from all over Europe and are then assembled in Aschaffenburg. Depending on the product line, a counterbalance can weigh between 700 and 3300 kilograms.

Replacing critical or hazardous substances with less critical ones is also an important aspect of responsible resource management. This applies both to raw materials and to operating materials that are required for production but do not form part of the end product. For example, the dangerous substance methylene chloride, which was commonly used to clean paint spray guns, has been replaced with a less dangerous substance in the last few years. A less hazardous product has also been found to rinse painting facilities.

The careful use of resources also requires the careful disposal of waste. Linde Pohony in the Czech Republic, for example, uses waste compactors that are suitable for plastic and paper waste. They reduce fuel consumption and CO<sub>2</sub> emissions because there is less waste to dispose of. They are also covered to prevent the contamination of rainwater.

In France, Fenwick-Linde stopped sending industrial waste to landfill in February 2023 and is working with the waste-to-energy plant in Limoges to recycle 100% of its waste. The industrial waste is recycled in a combustion plant, and the heat generated is converted into electricity via a turbine and fed into the grid.

At the headquarters in Aschaffenburg, waste is also being reduced in another specific area: RECUP and REBOWL is Germany's largest reusable packaging system for takeout beverages and food and there are now more than 13,900 takeout and return points. This system is now also being implemented at Linde, saving 30 kg of waste per day and 30,000 euros per year.

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## Waste (t):

2022	2021	2020
1,996	1,672	1,554
961	734	650
543	482	406
492	456	488
2,018	2,963	3,125
360	419	662
1,048	1,886	2,065
611	658	397
2022	2021	2020
5,365	5,729	5,541
4,519	5,023	4,875
521	432	430
325	274	235
54,285 <sup>1</sup>	23,773	18,952
50,123	19,192	15,100
3,810	4,383	3,407
353	198	445
	1,996  961  543  492  2,018  360  1,048  611  2022  5,365  4,519  521  325  54,285¹  50,123  3,810	1,996       1,672         961       734         543       482         492       456         2,963       419         1,048       1,886         611       658         2022       2021         5,365       5,729         4,519       5,023         521       432         325       274         50,123       19,192         3,810       4,383

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	2022	2021	2020
Hazardous waste	7,361	7,401	7,085
Non-hazardous waste	56,303	26,736	22,076
Total waste for disposal	4,014	4,635	4,669
Total waste for recovery	59,649 <sup>1</sup>	29,502	24,492

<sup>1</sup> The increase in recovered waste is due to the dismantling of buildings at a German site.

#### **Collective Effort**

The mandatory annual HSE training also covers topics relating to the company's environmental, climate, and energy management, such as energy and water consumption, waste separation, and climate risks.

#### Employees trained in environmental issues:

2022	2021	2020
92.9%	89.1%	84.6%

The numerous environmental protection campaigns organized over the years are a testament to the company's success at raising employee awareness of environmental issues:

- Every year around Easter time, the "Recycling Bunny" visits employees in Switzerland with ideas, tips, and suggestions relating to sustainability and health. How often do you hear people ask: "I'm just one person—what can I do about climate change?" The answer is: "We are stronger together! Every single one of us can make a difference just by consistently recycling our waste." And the more that is recycled, the less that needs to be produced. As well as preventing huge amounts of emissions from being released into the atmosphere, this will also conserve a lot of natural resources. The Recycling Bunny is excited to hear what other ideas employees have to share.
- In March 2023, employees at Linde MH Germany were called on to donate their old cell phones, tablets, and accessories as part of World Recycling Day. Some 80% of the components in a cell phone can be recycled and used to replace material that would otherwise have to be mined from nature. Linde MH is supporting the "Handys für Hummel, Biene & Co" (Cell Phones for Busy Bees and Friends) initiative of the German Nature And Biodiversity Conservation Union (NABU) with these efforts. Since 2006, NABU has been committed to ensuring that cell phones are recycled correctly and to returning the materials of electrical appliances to the material cycle. More than 500 devices (cell phones, tablets, headphones, and power adapters) were collected in the NABU boxes at the German sites. The campaign was aimed specifically at private cell phones, but Linde MH also takes a proactive approach in this area with regard to company cell phones and devices. For several years now, the on-site support team has been collecting outdated or faulty company cell phones at German sites. The phones are collected in boxes and, once these are full, they are sent to a service provider who recycles or refurbishes the devices.

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- Replacing critical or hazardous substances with less critical ones is an important aspect of responsible resource management. This applies both to raw materials and to operating materials that are required for production but do not form part of the end product. For example, the dangerous substance methylene chloride, which was commonly used to clean paint spray guns, has been replaced with a less dangerous substance in the last few years. A less hazardous product has even been found to rinse painting facilities.
- A green roof has been installed at Willenbrock Fördertechnik GmbH specifically to protect bees and insects: The 1087 m² roof of an office building on its premises has been planted with grass, shrubs, and flowers to provide a source of food for bees and other pollinators. Green roofs like this not only promote biodiversity in industrial areas, but also improve air quality, lower the ambient temperature, and serve as a buffer for rainwater. Going forward, the plan is to cover an economically viable part of the hall roof (total area of 9304 m²) with a PV system in order to produce renewable energy and reduce the company's dependence on fossil fuels.
- At Fenwick-Linde's branches in France, information on the potential ways to reduce energy consumption has been posted in the buildings, generating savings of around 5100 euros and a reduction of 10 tons of CO₂e in 2022.

#### Linde MH Idea Management

Linde MH Idea Management has been an established part of the company for many years now and supports the continuous development of the company through the suggestions provided by employees. The aim is to improve quality, productivity, and job satisfaction in the company by drawing on the knowledge and experience of all employees. The department strives to unlock untapped potential for improvement and incorporate it into the continuous improvement process for the entire product and service portfolio, production and work processes, and working conditions, including occupational health and safety and environmental protection—ultimately benefiting both the company and its employees. Ideas for improvement are assessed by an expert from the relevant department using defined evaluation criteria and rewarded based on the resulting score.

In 2022, Idea Management organized its first environmental sustainability campaign. Employees were invited to submit their ideas for how to make Linde MH more sustainable over a period of three weeks. Questions included: "How can we reduce our energy consumption, conserve raw materials and components, or reuse them more efficiently in a circular economy?" and "How can we optimize our supply chains and transport routes from an environmental standpoint and reduce waste or recycle it better?" A jury evaluated the ten best ideas and rewarded the three ideas with the biggest environmental impact. Linde MH has since implemented six ideas that came directly from employees.

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One of these ideas is to use reusable packaging on short transport routes: Previously, products being transported from the warehouse to Aschaffenburg were all delivered in the same sized boxes with filling material. These have now been replaced by reusable crates in different sizes. Another employee idea to switch from disposable aerosol cans to reusable ones in quality assurance has also been implemented with positive effect. At the plant in Aschaffenburg, around 3000 to 4000 of these cans were consumed every year. This new measure reduces the amount of waste generated and minimizes the release of propellant gases such as CO<sub>2</sub> and propane without any negative impact on quality. The media are now supplied in large canisters, allowing the aerosol cans to be refilled and reused several times. In addition, the reusable aerosol cans are now operated with compressed air generated by green electricity. This clean energy source improves the overall sustainability of processes and reduces dependency on conventional fossil fuels. After a successful trial phase at the plant in Aschaffenburg, Linde MH intends to roll out this environmentally friendly approach to other plants in the organization.

These changes have not only reduced the company's environmental footprint, but also demonstrate its commitment to the responsible use of resources and changing management decisions in the area of sustainability. The positive impact of these initiatives provides an incentive to introduce similar sustainable practices at all plants—and, in doing so, make a significant contribution to a sustainable future for the company.

#### Hydrogen

Hydrogen is expected to be an integral part of the energy mix of the future. Linde MH sees it as a promising alternative for use in large fleets working around the clock—particularly because the trucks can be refueled in a matter of minutes. The company has been producing green hydrogen using its own infrastructure on plant premises since spring 2023, and is using this hydrogen to power 21 fuel cell trucks in the plant fleet. At the heart of the system is an electrolyzer, which breaks down water (H2O) into its component parts of oxygen (O2) and hydrogen (H2) using electricity. To ensure that this endeavor also makes sense from a climate technology perspective, only green electricity obtained from wind, water, the sun, and other renewable energy sources is used for this purpose. Linde MH intends to have this green hydrogen certified accordingly in the near future.

#### Fleet and Transport Management

In terms of the switch to more environmentally friendly drives, the fleet and transport management strategy is to replace the company's own combustion vehicles with electric models. Jetschke in Germany, for example, replaced two diesel vans with two electric vans in the second quarter of 2022, and in the third quarter it replaced two diesel vehicles with two purely electric vehicles plus a further eight diesel vehicles with eight plug-in gasoline hybrid vehicles.

In addition, the area management of service technicians has been restructured at all Fenwick-Linde branches in France in order to optimize the fleet and routes. Also in France, at Loire Océan Manutation, route planning has been optimized by better distributing the sectors of customer service technicians by forming groups of two according to customers and geographical areas. The use of the new software Area Reform also enabled Linde Magyarország Anyagmozgatási (Hungary) to reduce fuel consumption in 2022 by optimizing the routes and thus the emissions of service vehicles.

New EV charging stations were also installed in 2022—eight in Bremen and six in Großburgwedel—to promote e-mobility among employees. Willenbrock's company vehicle fleet currently consists of 26 hybrid vehicles and 2 electric vehicles, and this trend is on the rise.

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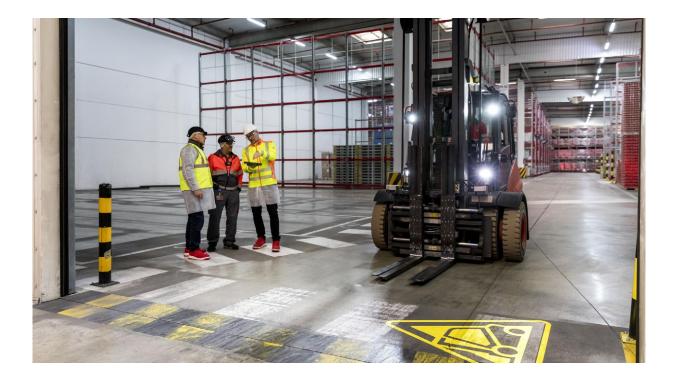
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# PRODUCTS AND SOLUTIONS



Performance, efficiency, reliability, user-friendliness, and versatility: That's what Linde MH solutions and services stand for, and that's what customers trust in and are passionate about. Sustainability and the considerate use of resources have also long been part of the company's brand promise. Because true efficiency must consider the total operating costs—and the most economical resource is still the one that's never used. This principle is why Linde MH supports its customers with holistic solutions that help them save energy, reduce emissions, and optimize their environmental footprint.

# **Product Development**

With uniform standards and global coordination of technical activities to shorten the development processes for more product variants, the KION Group's development approach is designed for efficiency. Development projects, initiated by product management in the Operating Units according to customer need, are coordinated and pooled by the Group-wide R&D¹ organization.

In 2020, the innovative Product Evolution Process (iPEP) was redesigned as part of the KION Product Development Optimization (KPDO) project to incorporate sustainability aspects even more firmly in product development, with corresponding targets and design specifications.

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In the iPEP, the implementation of sustainability requirements at Linde MH is supported by life cycle management software that organizes and documents requirements and the achievement of targets.

While the iPEP's focus in 2021 was on further detailing the product strategy, in 2022 attention turned to preparing further improvements in the product development process in order to strengthen product sustainability to an even greater degree. These improvements are set to be completed in 2023 and also include revising the guidelines used to test the sustainability criteria of products.

At Linde MH, the aim is to design products and solutions that are as environmentally friendly and energy-efficient as possible in order to offer customers solutions that are both resource-efficient and cost-efficient. This includes selecting materials that are as environmentally friendly as possible and ensuring easy reuse, repair, and refurbishment.

Agile methods are used throughout the process. This means that work results are available sooner and goals can be achieved earlier. A high degree of modularity helps to optimize the use of materials and has a positive impact on logistics, production, and service. Intelligent platform concepts are an important element of this approach. For example, the new generation of Linde MH counterbalanced forklift trucks requires fewer parts than its predecessor. This reduces logistics costs, increases efficiency, and, in the medium term, reduces the need for spare parts in the more than 8500 service vehicles in operation throughout Europe.

It is also important that the trucks offer maximum driving performance with minimum fuel consumption. All electric forklift trucks developed in the future will therefore be both lithium-ion and fuel cell capable. What's more, with the development of the X models, an electric forklift truck is now available that can replace an internal combustion truck in almost any operation. These trucks also offer a significant reduction in CO<sub>2</sub> emissions and require fewer parts than earlier models. As of the end of 2022, 87.5% of the products sold by Linde MH were already equipped with an electric drive.

#### Finalist in the German Sustainability Award Design 2023

In November 2022, the Linde MH X20–X35 electric forklift trucks were nominated for the final round by the jury of the German Sustainability Award Design 2023: The forklift trucks are as powerful and robust as conventional combustion engine models, but do not generate any climate-damaging CO2 emissions when powered with electricity from renewable energies. In addition, they are produced in a resource-efficient manner, avoid the use of composite materials, and are designed in a way that facilitates disassembly and recycling. After being used in the trucks, the lithium-ion battery systems can be reused as static storage batteries and then recycled. The trucks are even more sustainable because they are designed for a long service life and can be easily repaired thanks to the use of replaceable components.

# **Energy Management**

One of the areas that Linde MH is working on to further improve product efficiency is the development of solutions for the networked control of chargers. The aim of these solutions is to avoid expensive load peaks and to efficiently control the load consumption of the individual chargers. In addition, data-based analysis software enables customers to make all energy consumption in the company transparent, identify potential savings, and purchase energy more cost-effectively based on consumption forecasts. For example, the charging times for the forklift fleet can be adapted to the availability of electricity from the plant's own photovoltaic systems.

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With data-supported consulting tools, Linde MH helps customers to find the ideal drive and energy system for their fleet so they can achieve their sustainability targets. Sales colleagues use the Linde Energy Manager, for instance, to record all criteria relevant to the selection of an energy system in collaboration with the customer. Based on this information, the software provides a percentage assessment of which energy solution—diesel, gas or biofuel, lead-acid battery, lithium-ion drive, or hydrogen fuel cell—is best suited to the customer's operating conditions and aims in terms of cost and sustainability. Expertise and test data from various departments have been used in the development of the software and associated database.

# **Alternative Fuels and Drive Technologies**

In 2022, the KION Group received approval to use hydrotreated vegetable oil (HVO) as a fuel in Linde MH internal combustion forklift trucks. Depending on the manufacturer, a large proportion of HVO diesel is produced from renewable raw materials. Customers who use diesel forklift trucks can now fill up with this more environmentally friendly alternative diesel fuel, reducing greenhouse gas emissions by up to 90% compared to conventional diesel.

Energy-efficient lithium-ion batteries are available for the majority of Linde MH's fleet. They offer decisive advantages over conventional lead-acid batteries, including faster charging times and higher charging efficiency as well as a service life that is three to four times longer and a much higher energy content. In addition, the energy efficiency of lithium-ion batteries is over 90%, which enables users to achieve energy savings of around 30% as well as significantly reduce greenhouse gas emissions compared to a conventional battery-charger combination.

#### Hydrogen

At the customer's request, Linde MH offers the factory integration of fuel cells into its industrial trucks as well as the "fuel cell ready" option. The aim is to give customers an environmentally friendly energy alternative by offering forklift trucks with fuel cell technology. If hydrogen obtained from renewable energies is also used, the fleet then operates virtually emission-free and so makes an important contribution to greenhouse gas emission savings. Indeed, Linde MH already has one of the largest fuel cell fleets in use at the production site of a German automotive group.

Customers who want to purchase a hydrogen-powered forklift fleet are faced with an important decision, as in many cases the entire infrastructure needs to be built first. This requires technical specialists who support and advise the customer, carry out feasibility studies, and handle project management all the way through to implementation. Linde MH works with appropriate partners to ensure that its customers get the best fuel cell solution. In addition, the company is currently developing 24-volt and 48-volt fuel cell systems under the name KION HyPower as part of a Group-wide project in Aschaffenburg.

Linde MH also set up a hydrogen infrastructure consisting of an electrolyzer, compressor, tank, and refueling system at the Aschaffenburg site in 2022. This infrastructure has been used to operate 21 fuel cell forklift trucks in the plant fleet since May 2023.

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#### Refurbishment and Recycling

As well as producing its own lithium-ion batteries, Linde MH also pays special attention to refurbishment and recycling. After all, what happens to the batteries once the guaranteed charging cycles have been reached is a crucial issue for the future.

This is where Linde MH's return guarantee comes in: The nearest network partner in the country concerned takes back the batteries, thus ensuring that Linde MH fulfills its legal obligation to do so. Linde MH lithium-ion batteries go through a life cycle process with the aim of taking full advantage of the extraordinary lifespan of this technology:

Step 1 = refurbishment: Thanks to lithium-ion batteries' long lifespans, batteries in a certain state of health (SoH) can be cleaned, refurbished, and reused in a new or used truck. Depending on battery usage, this cycle can usually be repeated several times.

Step 2 = remanufacturing: If the used battery no longer meets the requirements for reuse in a forklift truck but is still functional, parts are repurposed for other operations (e.g., cell modules in stationary operations/reconditioned steel trays for new batteries).

Step 3 = recycling: Once a battery reaches the end of its life, it is disassembled into its composite parts and recycled according to the material. Cells and modules are recycled in a two-stage process and the resources they contain can be recovered.

Linde MH uses a well-established recycling loop for lead-acid batteries in which the manufacturers handle the recycling process.

For several years now, Linde MH has been offering attractive deals on rental and used trucks that reduce costs for the customer while at the same time conserving valuable primary resources. In the year under review, Linde MH gave a new lease of life to around 15,000 used trucks in the EMEA region, and so is already contributing to the development of a circular economy.

With the new "Approved Trucks" concept, Linde MH is replacing the previous "Plus," "Super," and "Ultra" levels with a single high standard of refurbishment. This means that only industrial trucks that have undergone a clearly defined process following the strictest guidelines will be supplied to customer companies. It is important to Linde MH that the used trucks, which are sourced either from the company's own rental fleet or from leasing returns, have a blemish-free history.

The disposal of old forklift trucks is regulated by Directive 2000/53/EC of the European Parliament and of the Council. Linde MH therefore provides detailed information on the disposal of forklift trucks at approved recycling plants.

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# Life Cycle Assessments

Since 2013, reliable data from life cycle assessments prepared for representative products along the product life cycle has been available to customers who seek to evaluate and optimize their own environmental performance. The method used has been tested and certified by TÜV Rheinland.

In the life cycle assessments prepared by Linde MH for each product group—assuming that customers use a traditional energy mix—the use phase proves to be the main source of GHG emissions. The energy efficiency of the power units is therefore always a key focus, both for internal combustion engines and in the further development of powerful and efficient electric drive technologies.

The KION Group also strives to achieve significant savings in Scope 3 emissions, including in the design phase—particularly for products and solutions. The main levers for achieving this are energy efficiency and the choice of materials. This is also reflected in the KION plant standards.

Life cycle assessments are an effective tool for systematically integrating environmental aspects into the development process for new products and for making environmentally friendly improvements. They also ensure that the optimization of individual system components does not have a negative impact on the overall environmental performance. Armed with this knowledge, companies can make their products and processes more sustainable and thus make a positive contribution to the environment.

#### Footnotes

1 In pursuing a cross-brand and cross-regional development approach, the KION Group is aiming to achieve uniform standards and global coordination of technical activities. Functions such as research and development, procurement, quality, and sustainability management have been bundled and are part of the KION GROUP AG Executive Board portfolio of the Chief Technology Officer (CTO).

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# Sustainability in the Supply Chain

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# SUSTAINABILITY IN THE SUPPLY CHAIN



The KION Group has consolidated procurement into a centrally managed global organization that supports the activities of both the Industrial Trucks and Services (ITS) and Supply Chain Solutions (SCS) segments. As part of the CTO function<sup>1</sup>, this global procurement organization aims to create value through category expertise and optimized geographic sourcing, leverage global synergies and local flexibility, and build a sustainable, scalable procurement base. The goal is to achieve excellent management of supplier relationships and a collaborative partnership with other KION divisions.

In order to achieve optimal results, reduce risks in the supply chain, and drive strategic growth and cost savings, KION is currently developing and implementing global tasks and responsibilities, objectives, models, mandates, departmental KPIs, decision-making bodies, committees, interfaces, and escalation models in procurement. The result of these efforts is a targeted, global procurement organization that supports the entire KION Group and thus every single subsidiary. One of the main tasks of this organization is supply chain management, and to do this sustainably it requires a suitable governance structure, a high level of process standardization, good data quality, and appropriate and implementable guidelines that apply to every business and legal entity in the KION Group.

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Ideally, the global procurement organization should involve all functional units of the KION Group in the implementation of sustainability within the supply chain. In order to highlight the importance of the issue within KION and therefore across all organizations, the Group measures the effectiveness of the sustainability strategy using sustainability KPIs. These KPIs also play a major role in the supplier relationship and inform procurement decisions

The KION Group's supply chain management thus designs and manages the flow of materials and information throughout the entire value creation process based not only on business criteria but also in terms of sustainability. The aim is to make all important processes, from the procurement of the required materials to the completion of the end products and their delivery to the customer, both socially responsible and environmentally friendly. However, the global procurement organization is exclusively concerned with the procurement of the required materials (procurement) and the associated supplier management within these processes and procedures. Other areas of the KION Group and its subsidiaries are responsible for the subsequent stages from completion of the end product through to delivery to the customer.

The Group's goals are not only to optimize products and services in terms of the resources used, but also to ensure that the various parts of the value chain live up to certain defined standards of human dignity, working conditions, and environmental compatibility. To this end, the KION Group is currently setting up an information and analysis system that records relevant data and information for effective supply chain management with regard to the main purchasing and material items.

#### Principles of supplier conduct

The KION Group has laid down specific requirements and rules of conduct for responsible procurement in the KION Group Code of Compliance and in the Principles of Supplier Conduct and obliges its suppliers to observe these requirements when entering into business agreements with KION Group companies. The Principles of Supplier Conduct contain clear environmental and ethical guidelines with regard to environmental, labor, and human rights standards and are available in three languages according to the most important procurement markets.

The KION Group's General Terms and Conditions for Purchasing as well as individually agreed contracts also specify in detail how obligations, applicable laws, and the KION Group's Principles of Supplier Conduct are to be complied with, and how transparency is to be ensured throughout the entire supply chain. All these regulations are binding for the entire KION Group with all its legal entities and are regularly checked to ensure that they are up-to-date and complete.

#### Three-level ESG Evaluation Program

For an objective and robust assessment of the sustainability risks and performance of its key suppliers, the KION Group has implemented a three-level ESG (environmental, social, and corporate governance) evaluation program utilizing the expert software-as-a-service (SaaS) platforms of EcoVadis and IntegrityNext. In 2022, KION began conducting an industry and country risk analysis for all suppliers who produce materials for production ("direct procurement suppliers") and have an annual revenue greater than 100,000 euros with the KION Group, using the EcoVadis IQ platform, to determine their sustainability-related risk profile (phase 1). The second level of the evaluation program uses the IntegrityNext platform to determine the maturity of direct procurement suppliers in terms of their compliance with human and labor rights and environmental protection requirements with the aid of a self-assessment questionnaire (phase 2). The third and most rigorous assessment is performed using the EcoVadis supplier assessment. For this level, suppliers are asked to undergo a sustainability assessment (phase 3). This multi-level assessment approach verifies suppliers' compliance with specific standards in the areas of HSE, anti-corruption and anti-bribery, product-related environmental protection, and upstream supply chain monitoring. It also and above all verifies suppliers' compliance with human rights, employee rights, and employment standards.

New suppliers are asked about their sustainability assessment as part of the supplier onboarding process and go through the above three-level ESG evaluation program. Existing suppliers are checked regularly (annually). The

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KION Group's aim is to increase transparency in the sustainability performance of its suppliers and to manage risks and opportunities related to the sustainability of the supply chain in a more targeted manner.

If supplier weaknesses are identified, preventive and improvement measures are initiated and progress is reviewed through the EcoVadis platform, among other measures. The results of the improvement measures are evaluated in a subsequent assessment.

Percentage of Linde MH direct procurement spending on Tier 1 suppliers covered by phase 1 of the global ESG risk assessment (EcoVadis IQ):

2022 <sup>2</sup>	2021	2020
87%		

Between 2020 and 2022, supplier audits and the implementation of effective controls were made particularly difficult by the restrictions imposed worldwide as a result of the coronavirus pandemic. With the exception of a few countries, these restrictions are expected to be significantly reduced in the course of 2023, so more on-site inspections and checks of the supply chain should be possible. Through the ongoing implementation and use of this program, the KION Group is able to efficiently manage risks and opportunities in its global supplier base for all legal entities, reduce duplicate solutions locally, and enable the highest level of synergies across the entire Group.

#### Number of Linde MH suppliers reviewed/assessed who have taken corrective action:

2022	2021	2020
18	6	0

#### Number of Linde MH suppliers reviewed/assessed who have improved their rating/score:

2022	2021	2020
126	92	69

In July 2023, the KION Group made a commitment to the targets of the SBTi (Science Based Target initiative). This means that the continuous reduction of CO<sub>2</sub> emissions within KION supply chains is now a binding target and CO<sub>2</sub> reduction and net-zero requirements are to be incorporated into supplier relationships and the tactical design of the supply chain. The global procurement organization is developing and implementing the methods, processes, and strategies required to achieve this target.

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#### Diversity in the Supply Chain

Just as the Group benefits from the diversity of its workforce, it is convinced that a diverse pool of suppliers is equally important: A diverse supplier base can bring fresh new perspectives to the range of products and services that the Group offers. The KION Group therefore intentionally adds highly capable small and diverse suppliers (companies that are nationally certified as meeting the requirement to be considered small and underrepresented, or that are owned and operated by women, minorities, or military service veterans). The KION Group is working on establishing strong, mutually beneficial relationships with these businesses and the communities they represent. In addition, the KION Group strives to grow the relationship with business leaders, community organizations, and trade associations that represent the interests of diverse businesses.

#### German Act on Corporate Due Diligence Obligations in Supply Chains (LkSG)

KION GROUP AG took the requirements of the 2021 German Act on Corporate Due Diligence Obligations in Supply Chains (Lieferkettensorgfaltspflichtengesetz, LkSG) as an opportunity to look deeper into the supplier evaluation and assessment program across all regions for direct and indirect procurement categories. The result of this examination is the three-level ESG evaluation program described above. The new supplier evaluation processes have been supplemented with additional sustainability requirements.

A key element of the 2021 German Act on Corporate Due Diligence Obligations in Supply Chains is the training of in-house employees on the subject of human and environmental rights in the supply chain. In this regard, procurement (KION) employees have completed training on the measures that the KION Group takes to ensure that suppliers comply with human rights, labor rights, employment standards, and environmental protection requirements. Further training and coverage tracking are planned for 2023 as part of the comprehensive, three-level ESG evaluation program and active sustainability initiatives.

#### **Conflict Minerals and Conflict Areas**

The KION Group's strategy strives to balance economic, environmental, and social aspects. The global procurement organization's top priority is to comply with all international laws and regulations while exceeding customer expectations. While not required to report on conflict minerals under the relevant European Union regulations, the Group recognizes the regulations and is working to include conflict minerals and conflict areas in the model for assessing and improving aspects the sustainable supply chain. In order to improve transparency on these issues in the supply chain, the KION Group has included the standardized Conflict Minerals Reporting Template (CMRT) in its General Terms and Conditions for Purchasing. KION has also decided to work with the SaaS platform provider Assent. Assent's compliance portal is used by more than 200 companies, and enables KION to analyze product-specific supplier data as well as integrate smelters or refiners into an industry-recognized audit/evaluation program.

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The Group-wide Conflict Minerals Standard entered into force in 2023 in accordance with the OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas, the European Conflict Minerals Regulation (EU) 2017/821, and the US Dodd-Frank Act. The KION Group has clearly formulated its own commitment with this standard. Its expectations of its global suppliers with regard to conflict minerals are set out in the KION Principles of Supplier Conduct. This standard applies to all KION Group companies worldwide and to all employees, in particular those involved in the development and procurement of goods and services for the KION Group or one of its companies.

#### Footnotes:

1 In pursuing a cross-brand and cross-regional development approach, the KION Group is aiming to achieve uniform standards and global coordination of technical activities. Functions such as research and development, procurement, quality, and sustainability management have been bundled and are part of the KION GROUP AG Executive Board portfolio of the Chief Technology Officer (CTO).

2 ESG evaluation (phase 1 and 2) only in place since 2022.

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# **SOCIAL ENGAGEMENT**



Sustainability also includes social responsibility. As a corporate citizen, Linde MH wants to support the positive and sustainable development of society—especially where its customers, employees, and their families live and work. The company focuses on social and humanitarian issues, but also aims to promote education, science, and environmental protection. The CSR approach focuses on the local level. After all, local teams know best when it comes to deciding which local projects to support. Linde MH employees demonstrate a great deal of commitment in this area and always get actively involved.

Linde MH is guided by the KION Group's donation and sponsorship policy, which governs social engagement, responsibilities, and the relevant decision-making processes. In 2020, the guidelines were revised and optimized Group-wide. They cover both financial donations and charitable voluntary work, meaning decisions can be made quickly and pragmatically on the spot and help can be provided quickly in an emergency, for example in the event of a natural disaster.

The KION Group Code of Compliance also contains relevant information and provides legal certainty for local managers. All donations and sponsorship activities are reviewed and approved in advance by the Compliance department. Donations must always be transparent, follow set principles, and comply with the KION Group's values and rules as well as with relevant legislation.

The KION Group always draws a clear line between donations and sponsorship activities in social engagement. Donations are voluntary monetary or in-kind contributions to a charitable organization, made without the expectation of anything in return. Sponsorship, on the other hand, is linked to receiving something in return, for example advertising or marketing opportunities. It is therefore also vital that the recipients' intended use aligns with the KION Group's values or principles.

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Linde actively supports the social and humanitarian sector with a number of initiatives such as "Linde Solidaria," "Les Restaurants du Cœur," and "StaplerCup hilft e.V." Funding is also available for educational, scientific and environmental projects.

#### Linde Solidaria

The Linde Solidaria program was launched in 2006 and is based on two main pillars: the voluntary work of Linde Material Handling Ibérica employees and annual donations. These activities are carried out in cooperation with recognized institutions wherever Linde MH has branches. The program supports people with special needs and those who are at risk of social exclusion.

Linde Material Handling Ibérica and its dealer network support initiatives of all kinds through donations and volunteer days. The Linde Solidaria program also supports specific projects, for example by lending trucks to organizations such as food banks or the Red Cross.

Every year, dozens of employees from the branches, together with their families and friends, help to organize charity events for institutions that play an important role in society and have a big influence on the community where they live. In honor of these events, Linde Material Handling Ibérica makes a donation that is then used throughout the year to purchase materials and upgrade the equipment and facilities at the centers. This helps to improve the quality of life of the people who visit these centers.

#### Stacking for a Good Cause

Every year, StaplerCup hilft e.V. supports charitable organizations and institutions from the Aschaffenburg region with monetary donations. In 2022, the association raised 8000 euros, 3000 euros of which went to Kinderschutzbund Aschaffenburg e.V. (Aschaffenburg child protection association) and 5000 euros to Förderkreis für die Kinderklinik Aschaffenburg e.V. (Aschaffenburg children's hospital fundraising association). The sum will be invested in the construction of a new hospice center on Schweinheimer Strasse, which will give critically ill people dignified support and care and provide relatives with a safe space.

In 2023, the entire proceeds from the entry fees for the StaplerCup are once again supporting a social institution in the region: Essener Elterninitiative zur Unterstützung krebskranker Kinder e.V. (Essen parents' initiative to support children with cancer), which was founded in 1983 and is funded mainly by donations, received a check for 1000 euros in the run-up to the StaplerCup. Parents often lack the strength to tackle everyday things when their child is ill, so the association's aim is to help them and to be there to tackle everything, no matter how big or small, together. Thanks to the many forklift drivers who took part in the StaplerCup this year, Linde Material Handling Rhein-Ruhr was also able to make a small donation to the charitable association's "Elternhaus für Betroffene" (parents' house for affected families) project.

#### **Disaster Relief**

The devastating earthquake of February 6, 2023, left millions of people in the Turkish-Syrian border region grappling with the consequences of the disaster of the century. Thousands of people have died and hundreds of thousands of people are still unable to return to their homes because they are at risk of collapsing or have already been destroyed. One way in which employees could show solidarity with those affected in the region was by making a donation to the German Red Cross by donating their chosen number of credit hours via the HR department. The German Red Cross was actively involved in rescuing those trapped following the earthquake and in providing care and accommodation for those affected. The amount donated to the KION Group Earthquake Relief campaign has now exceeded the considerable sum of a quarter of a million euros—the continuing solidarity shown by employees from around the world has been extremely impressive.

Given the great hardship immediately following the disastrous flooding in Western and Central Europe in 2021, financial assistance was the fastest and most effective way to help. For that reason, the KION Group donated one million euros to the German Red Cross. Emergency aid was provided in the form of rescue, treatment, and accommodation for those in need. One important aspect of the action taken was the practical support

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provided in the form of suitable equipment. Forklifts and other industrial trucks from Linde MH were provided to help clear up the debris, load aid supplies, and keep the supply processes going. For example, a heavy-duty forklift truck from Linde MH was used to transport bulky items such as generators at the German Red Cross in Koblenz. One particularly delicate assignment came at a medium-sized enterprise, which had hazardous materials stored in a warehouse and production facilities which had been completely destroyed by the flood water. Linde MH swiftly sent a suitable explosion protection truck to the site, which was then used to help with the clean-up work.

Most recently, colleagues from Linde MH and KION Group IT have also demonstrated their willingness to help by donating a substantial amount of time credit. By converting overtime hours into donations, they were able to raise more than 280,000 euros for the German Red Cross.

#### **Ukraine War**

The invasion of Ukraine by Russian troops and the resulting human suffering caused to the Ukrainian population has quite literally hit close to home for Polish colleagues—Ukraine is their neighbor and their languages are closely related. This made Poland the main destination for those fleeing the country, with more than four million people crossing the border to safety. Linde MH's Polish companies did not think twice about helping their neighbors during this difficult time. The most important thing for those fleeing Ukraine was and remains finding a place to live, and so the Polish national subsidiary is supporting the Lena Grochowska Foundation, which does precisely that: organize accommodation. For six months, the foundation received 50,000 złoty a month, which is roughly equivalent to 10,500 euros. But money is just one aspect: Many colleagues also took it upon themselves to open their homes to the refugees, and some are still living with them today.