



# Transition to Sustainable Intralogistics

## Sustainability @ Jungheinrich

March 31, 2024



**WE HAVE A CORPORATE  
AND PERSONAL  
RESPONSIBILITY TO  
LEAVE A WORLD  
WORTH LIVING IN FOR  
FUTURE GENERATIONS.**

Dr. Lars Brzoska  
Chairman of the Board of Management



**Sustainability is not an added bonus for businesses, it is our duty.**

**1.5°**

**Human activity** has increased greenhouse gases (GHG) in the last **50 years to unprecedented levels** not seen in the last 800,000 years.

The **carbon budget is severely limited**: just 400 Gt of CO<sub>2</sub>e\* worldwide as of 2020.

If we as society **keep going the way we are** and this carbon budget is depleted, we will exceed the critical 1.5° limit **by 2029** – at which point there will be **irreversible climatic consequences**.

Two L-shaped decorative lines frame the text. The top-left line is dark green, and the bottom-right line is yellow. Both lines have rounded ends.

**THIS IS PRECISELY THE  
RIGHT TIME TO CREATE  
SUSTAINABLE VALUE.**

A blurred background of a warehouse or factory floor with stacks of cardboard boxes. A person wearing a yellow hard hat is visible in the distance. The text is overlaid on the left side of the image.

# INTRALOGISTICS IS PART OF A GLOBAL CHALLENGE...

**More and more goods are being produced, stored and transported.**

**4.15 billion**

**parcels delivered  
in 2022 in Germany alone**  
(+14 % more than before Corona)

With the rapid increase in shipping volumes and goods traffic, the demand for sustainable intralogistics is also constantly growing.

# JUNGHEINRICH SOLUTIONS HELP MAKE INTRALOGISTICS SUSTAINABLE.



# Sustainable intralogistics helps transforming high emission industries.

# 37+ billion tons

of CO<sub>2</sub>e are emitted worldwide every year.<sup>1</sup>

# 4%

are caused by intralogistics itself – a relatively small proportion.<sup>2</sup>



# 20%

of global emissions are caused for example by the transport sector.<sup>3</sup>

However, intralogistics products and solutions have a knock-on impact on key sectors with high emissions – for example transport, logistics, manufacturing, trade and agriculture.



A photograph of a large-scale hydroponic greenhouse. The image shows long, parallel rows of plants growing in a controlled environment. The plants are lush green and appear to be leafy vegetables. The structure is supported by metal frames, and there are white pipes and yellow valves visible, likely part of the irrigation system. The lighting is bright and even, suggesting artificial or filtered natural light. The overall scene is clean and organized, representing a modern agricultural facility.

**WE ENABLE  
SUSTAINABLE  
INTRALOGISTICS.**

# Sustainability is a core element of our corporate strategy.

## 2025+ **STRATEGY**

### Our Fields of Action



#### **Automation**

Automation at the core of our future growth



#### **Digitalisation**

New products and business models through digitalisation



#### **Energy Systems**

Electric mobility is our core competence



#### **Efficiency**

Our digital transformation makes processes and structures more efficient



#### **Global Footprint**

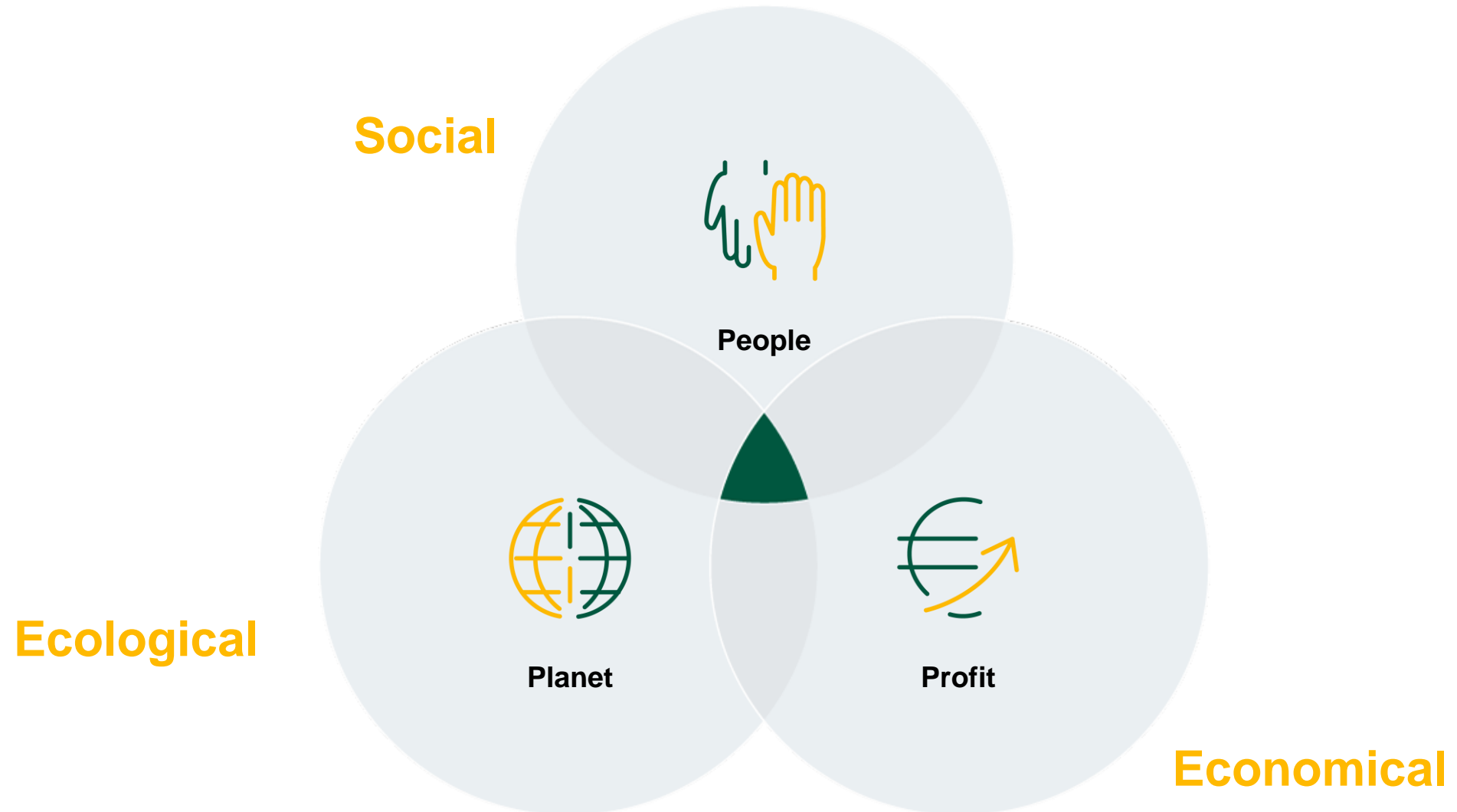
We think globally and act locally



#### **Sustainability**

Sustainability is part of our DNA and the basis of our activities

**We take a comprehensive approach to sustainability.**



# What acting sustainably means for Jungheinrich.

Electromobility since 1953

Partnership and responsibility

**ELECTRIC PIONEER**

Committed to many generations

Family business

**MOVING THE FUTURE**

Strategy 2025+

**CREATING SUSTAINABLE VALUE**

Long-term thinking and actions



Dr. Friedrich Jungheinrich  
Founder

# Our sustainability targets at a glance:



## Contribute to climate neutrality

- By 2030: Net zero greenhouse gas emissions in Scope 1 and 2
- By 2050: Net zero greenhouse gas emissions in Scopes 1 to 3 in accordance with SBTi

*These milestones include reduction targets in accordance with SBTi*



## Reduce resource and energy consumption

- By 2025: 0 % landfill waste in the German plants and reduction of global landfill waste by one third
- By 2030: 0 % landfill waste worldwide through internal processes at sites with established recycling systems



## Ensure transparent and sustainable procurement

By 2025: 80 % of global relevant purchasing volume to be “sustainable spend”



## Promote the health and safety of our employees

- By 2025: Improvement of lost time injury rate to 12.5
- By 2025: 20 % women in management positions



## Provide intralogistics with sustainable products and solutions

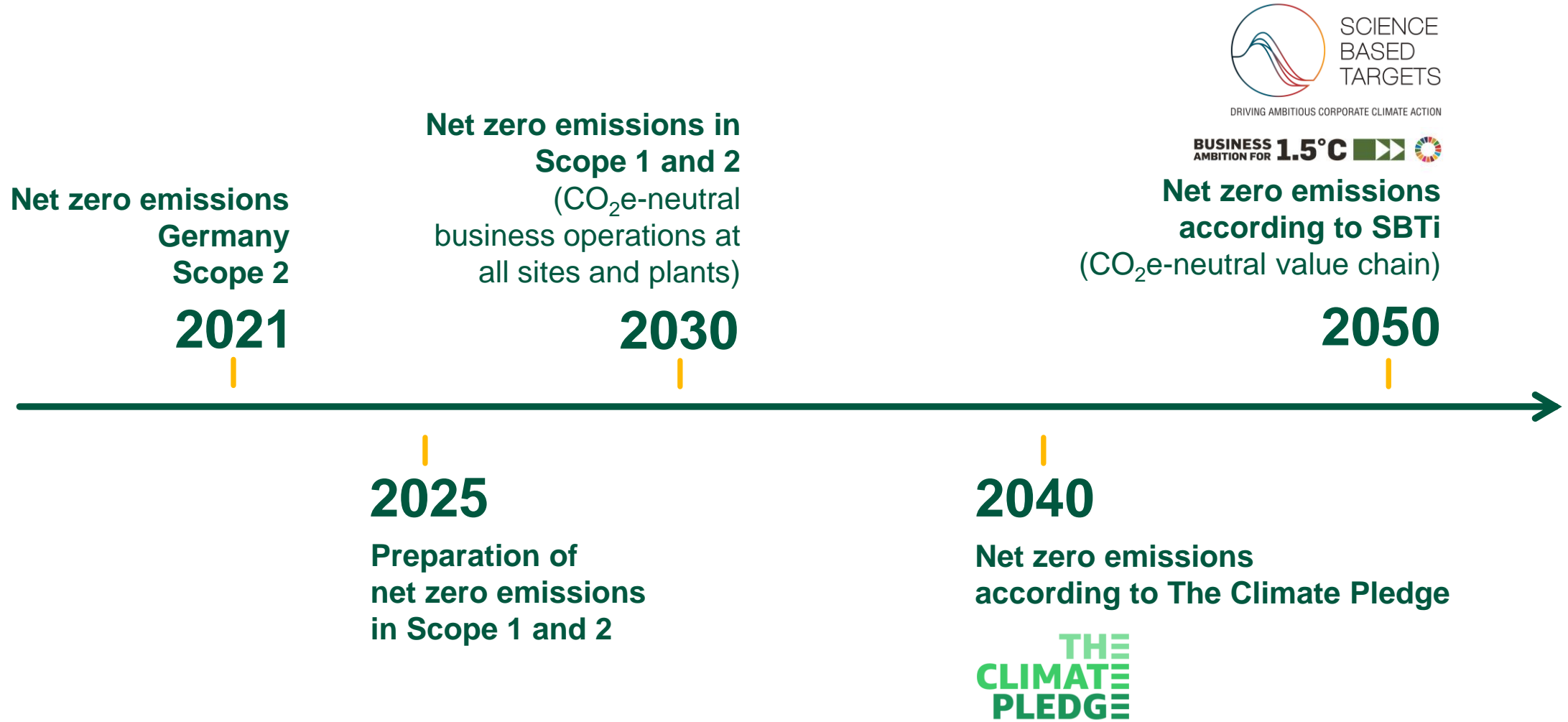
Boost revenue with sustainable products in line with EU taxonomy by 2025: 50 % lithium-ion equipment quota for our industrial trucks



## Achieve top ratings as proof of our sustainability performance

In our strategically relevant ratings such as EcoVadis, CDP, MSCI ESG Ratings and ISS ESG

# Our way to net zero.





**HOW WE WANT TO  
ACHIEVE THESE GOALS.**

# Our six sustainability focus areas:



**Climate neutrality**



**Employees**



**Sustainable products,  
services & business models**



**Eco-efficiency &  
circular economy**



**Society &  
communities**



**Governance**





**Our mission:**  
**Climate neutrality**  
**along the entire value**  
**chain.**

Annual survey  
**Corporate  
Carbon  
Footprint**

Global rollout  
**green energy**

Electrification  
**company fleet**

## Proof points.

# 77%



- ▶ of the electricity requirements of our locations worldwide are covered by renewable sources of electricity. Two out of three of the 42 countries in which we operate already obtain all of their electricity from renewable sources.
- ▶ Execution of a comprehensive **CO<sub>2</sub>e balance** (Corporate Carbon Footprint) for the entire Jungheinrich Group (Scopes 1 to 3).
- ▶ New plant in Chomutov, Czech Republic; energy-efficient and **CO<sub>2</sub>e-optimised construction**.
- ▶ Jungheinrich generates solar power through **photovoltaic facilities** in the plant in Moosburg and at the headquarters in Hamburg.





**Our mission:**  
**Sustainable business practices.**

Expansion of sustainable supply chain

Transparency regarding human rights in the supply chain

Establishment of data structures

Strengthening of (material) compliance

Optimisation of ESG ratings

## Proof points.

# 74 %



- ▶ Over 750 suppliers, who account for over 74 % of our purchasing volume, have participated in our self-assessment for fair and transparent supply chains.
- ▶ Encouraging and **consulting our suppliers** to plan and implement mitigation measures.
- ▶ Further **extending our supplier development process** to ensure coherence of compliance to human rights and anti-bribery.
- ▶ **Sustainable purchasing** including the systematic reduction of dangerous goods, conflict minerals and substances of concern in close coordination with our product development.





**Our mission:**  
**Optimal**  
**consumption of**  
**resources and energy.**

**Life cycle**  
**analyses of**  
**key products**

**Product eco-**  
**design as**  
**development**  
**guideline**

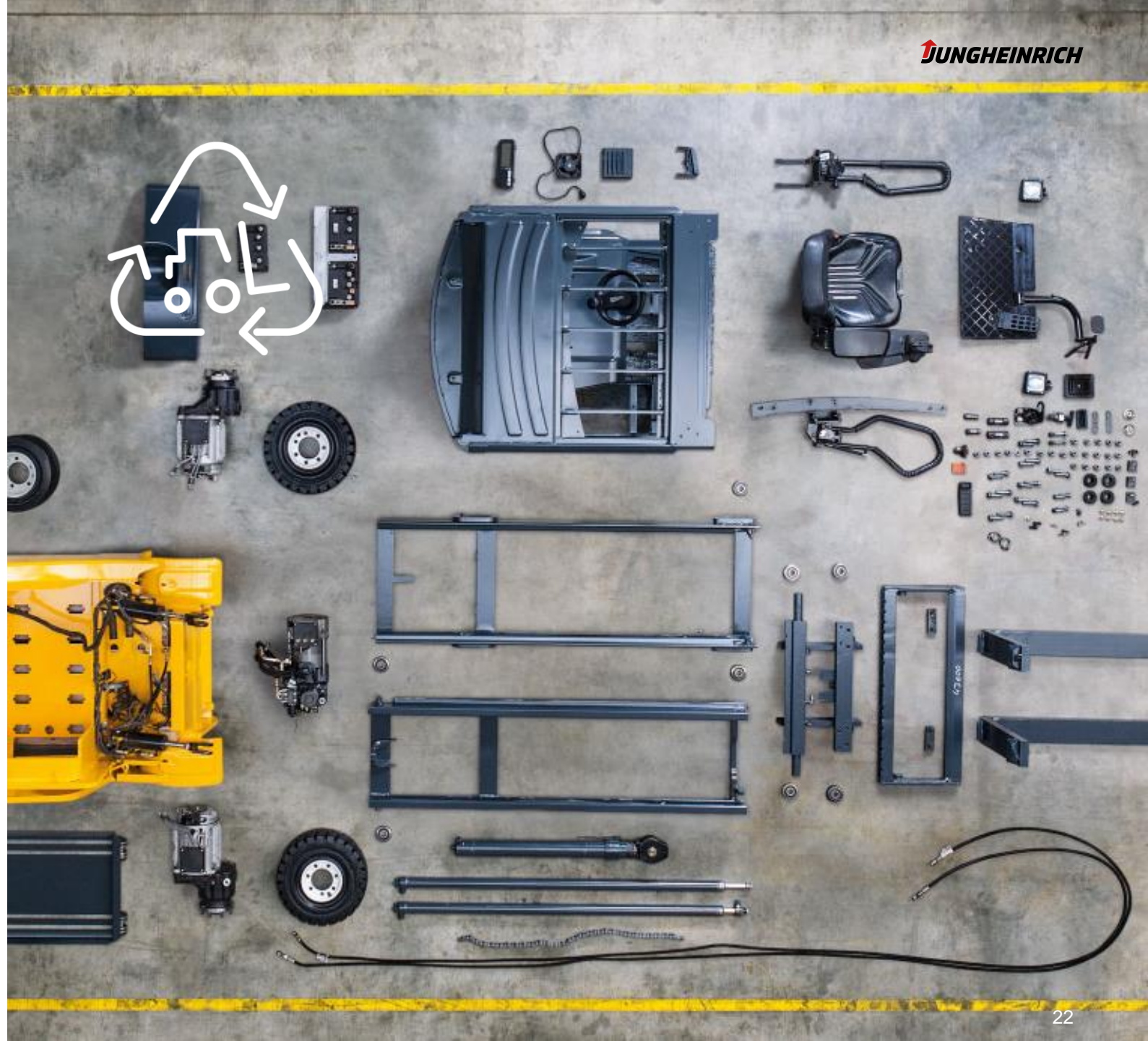
**Expansion of**  
**complete**  
**circularity**

**Further**  
**expansion of**  
**refurbishment**

# Proof points.

# 99 %

- ▶ Expanded use of refurbishing plants with up to 99 % reuse and recycling ratio per truck.
- ▶ **Circular economy** for more than 15 years based on remanufacturing.
- ▶ 2023 and 2022, more than **13,500 used Jungheinrich trucks** were refurbished.
- ▶ Second use vehicles deliver **savings of up to 80 % of CO<sub>2</sub>e** compared to new trucks.
- ▶ The circular economy is part of our business model – our products are **designed with Eco-Efficiency** in mind and validated by their Life Cycle Assessment.





## **Our mission:** **Products and solutions for sustainable intralogistics.**

Increase in lithium-ion quota

Solutions for Warehouses of the Future

Expansion of energy & CO<sub>2</sub>e consulting solutions

Global rollout of CO<sub>2</sub>e-neutral customer service

Further development of vertical farming

## Proof points.

# 100 %

- ▶ The proportion of industrial trucks produced with electric drives is 100 %.
- ▶ More than **one million electric trucks in use worldwide**.
- ▶ Introduced **range of carbon neutral POWERLINE** trucks until delivery through innovation & carbon certification.
- ▶ Lithium-ion trucks consume **around 20 % less energy** in daily use compared to industrial trucks with lead-acid batteries.
- ▶ **Material flow consulting & energy consulting** to help our customers to optimise their processes.
- ▶ **CO<sub>2</sub>e-neutral customer service** launched rollout in Norway, Great Britain and the Netherlands.







**Our mission:**  
**Promoting safety and health of our employees.**

Strengthening of health & safety concept

Introduction of health & safety management system

Rollout of health care programme

Further development of the future of work

## Proof points.

# 97 %

- ▶ The health rate of our workforce is nearly 97 % across the organisation.
- ▶ Increased **flexibility of working conditions** by switching to mobile working, home offices or hybrid models.
- ▶ Promoting a **healthy lifestyle for employees** for example by subsidizing preventive occupational health examinations and company sports programs.
- ▶ JH Campus: **lifelong learning** for our employees independent of time & place.





## Our mission: Supporting the UN SDGs.

High impact  
on defined  
**UN Social  
Development  
Goals**



Local  
**Community  
Engagement**

Development  
of **global group  
guidelines**

## Proof points.

# 42

- ▶ Created a code for Human Rights at all 42 Jungheinrich sales units around the world.
- ▶ Long-term partnership with **action medeor** where our core expertise enables us to give valuable assistance.
- ▶ Jungheinrich employees regularly collect donations for **action medeor** as part of the company's internal "Restcent campaign".
- ▶ We support the **ARCHE** with donations and volunteer commitment.



# Our sustainability commitments:

## An alliance with science:



SCIENCE  
BASED  
TARGETS  
DRIVING AMBITIOUS CORPORATE CLIMATE ACTION



**BUSINESS  
AMBITION FOR 1.5°C**

**Vision of net zero emissions by 2050 at the latest**

affiliated since 2021

## Recognising the urgency:



**THE  
CLIMATE  
PLEDGE**

**Reiterating our aim of being carbon neutral by 2040 at the very latest**

affiliated since 2021

## Showing the way:



**50 SUSTAINABILITY  
& CLIMATE LEADERS**  
A RACE WE CAN WIN

**Committed to the United Nations Sustainable Development Goals (SDGs)**

affiliated since 2020

## Our reputation for sustainability. Our ratings and rankings:



### Platinum Rating since 2021

With platinum certification in the independent EcoVadis sustainability rating, Jungheinrich is among the Top 1 % of the world's most sustainable companies.



### B Rating

In recognition of our transparent and committed climate protection policy, we received a B rating from CDP in the "Climate" category.

## Our reputation for sustainability. Our certifications:



**Our compliance profile at Integrity Next** shows our rating regarding human rights, environment, compliance & our own supply chain.



**ISO certifications for environmental management, green house gases, carbon footprint and health& safety** are already in place or planned to be in place by 2025.

# JUNGHEINRICH

**Jungheinrich and I have a common goal to make the world more sustainable through e-mobility and smart technologies.**

Nico Rosberg

Brand Ambassador of Jungheinrich  
Green-Tech Entrepreneur





**THE FUTURE IS ELECTRIC.  
THE FUTURE IS CIRCULAR.  
THE FUTURE IS CARBON-NEUTRAL.**

 ***JUNGHEINRICH***