



Transition to Sustainable Intralogistics

Sustainability @ Jungheinrich

January 06, 2025



**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 CO₂e* 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 brackets are positioned around the text. The top-left bracket is dark green, and the bottom-right bracket is yellow. Both brackets 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 worker wearing a yellow hard hat is visible in the distance. The scene is lit with warm, natural light.

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 CO₂e are emitted worldwide every year.¹

4%

are caused by intralogistics itself – a relatively small proportion.²



20%

of global emissions are caused for example by the transport sector.³

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 grow lights. The overall atmosphere is clean and modern.

**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



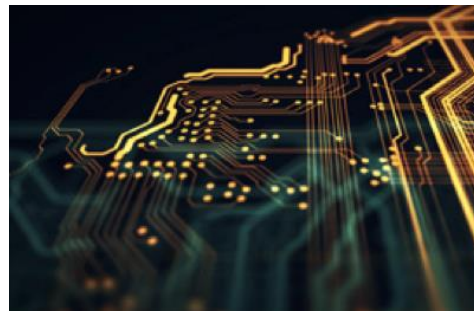
Digitalisation

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

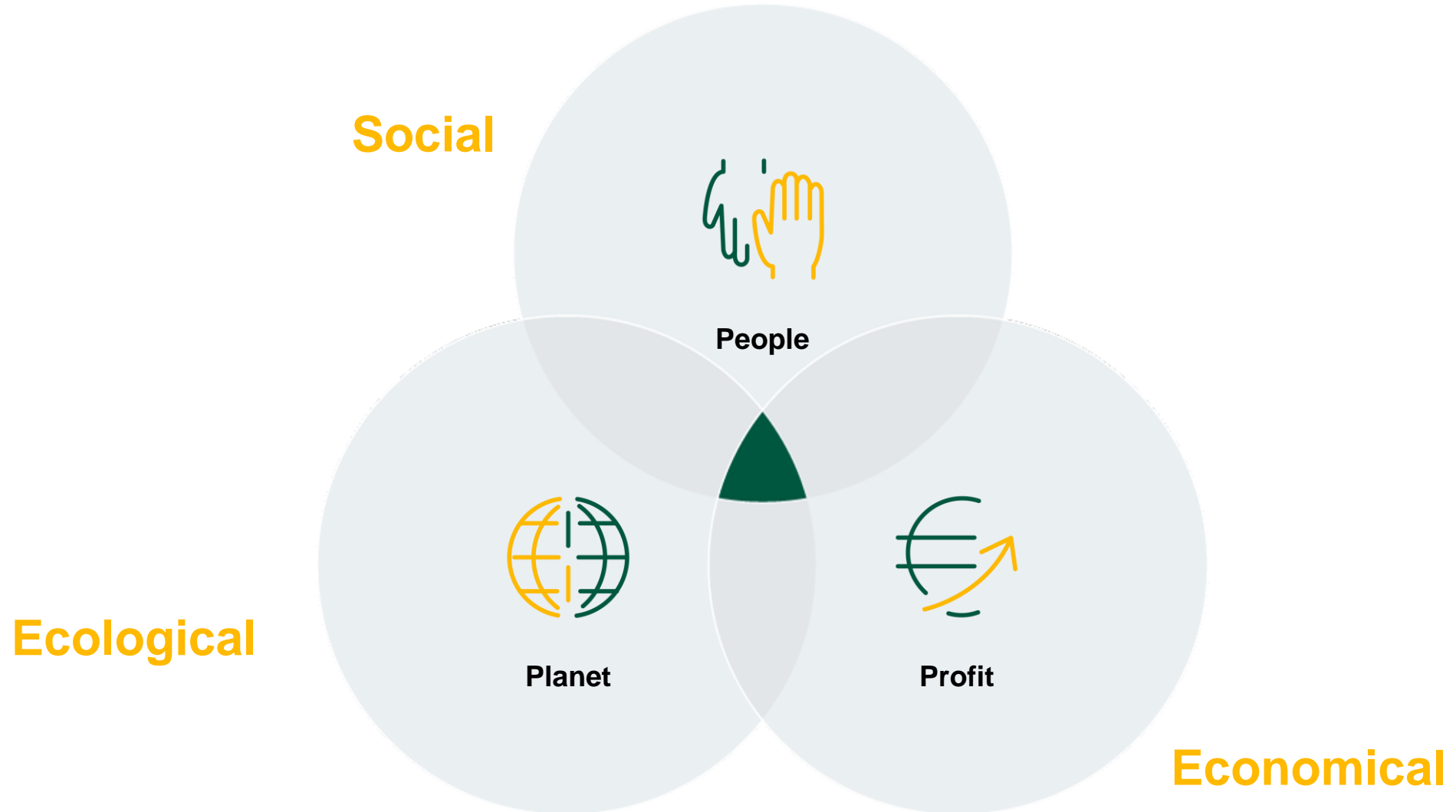
We think globally and act locally



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

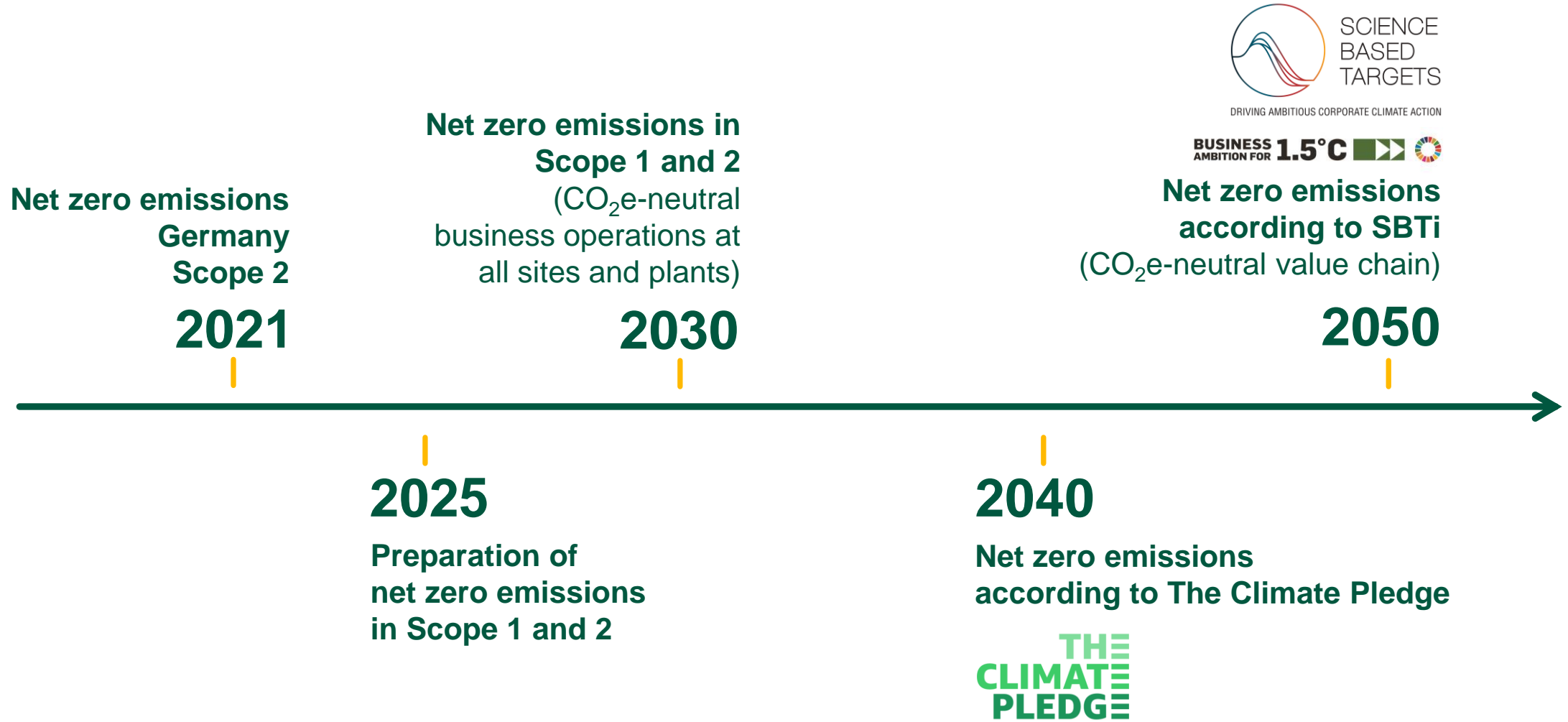
Boost revenue with sustainable products in line with EU taxonomy by 2025: 50 % lithium-ion equipment quota for our industrial trucks



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 **CO₂e balance** (Corporate Carbon Footprint) for the entire Jungheinrich Group (Scopes 1 to 3).
- ▶ New plant in Chomutov, Czech Republic; energy-efficient and **CO₂e-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

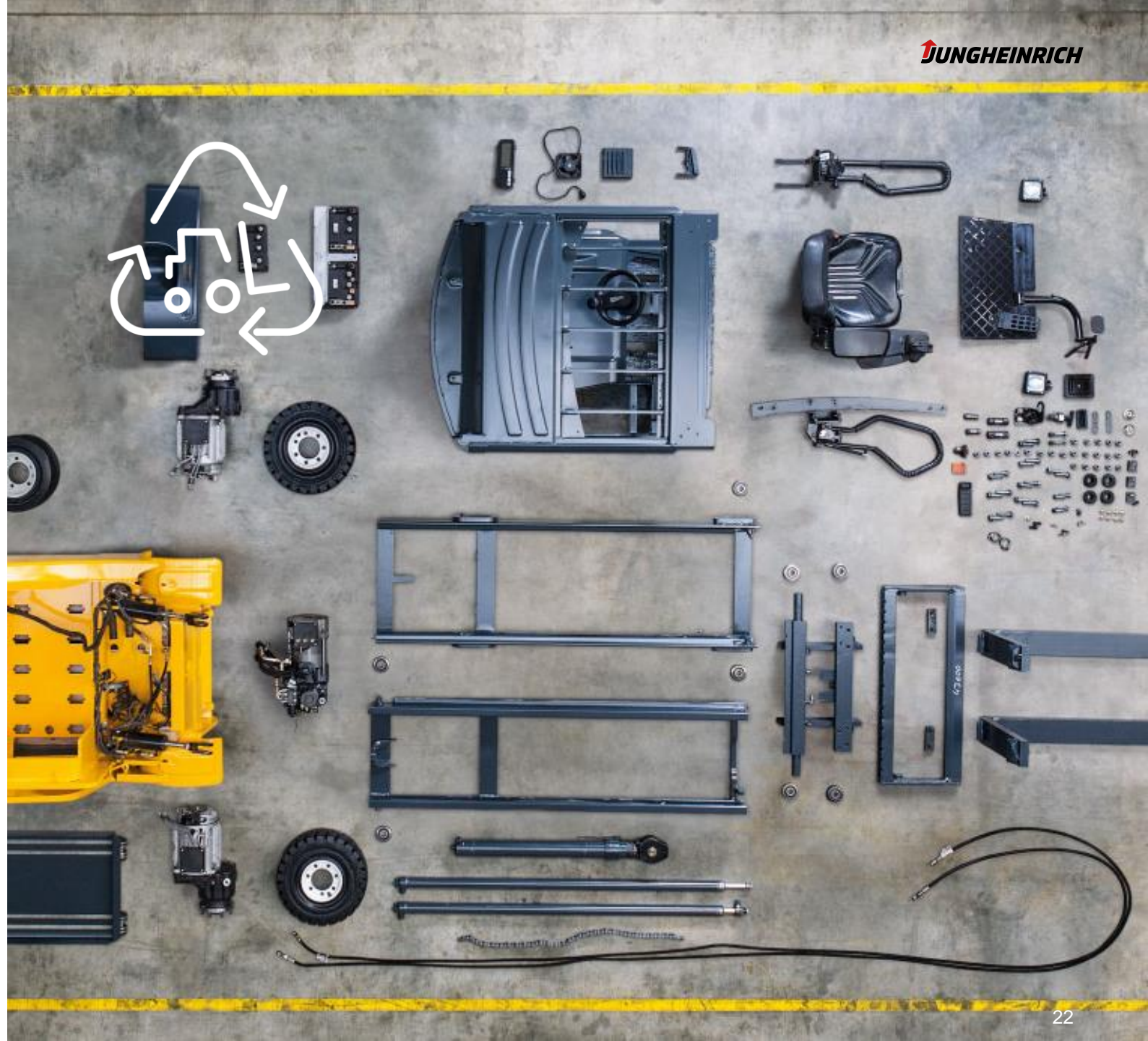
Further
expansion of
refurbishment

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 CO₂e** 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 & CO₂e consulting solutions

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**.
- ▶ Our **POWERLiNE** trucks with integrated lithium-ion batteries are highly efficient.
- ▶ 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.
- ▶ Our **customer service** is also being electrified in more and more countries.





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***