



# Transition to Sustainable Intralogistics

## Sustainability @ Jungheinrich



**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 distribution center. In the foreground, a worker wearing a yellow hard hat is visible, surrounded by numerous cardboard boxes stacked on a conveyor belt or pallet. The lighting is bright, creating a sense of a busy industrial environment.

# INTRALOGISTICS IS PART OF A GLOBAL CHALLENGE...

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

**4.51 billion**

**parcels delivered  
in 2021 in Germany alone  
(+11.2 % more than in 2020)**

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.

# 35+ 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 perspective view of a long, brightly lit aisle in a hydroponic farm. Rows of lush green leafy plants are growing in white trays on both sides of a central walkway. The ceiling is high with recessed lighting fixtures. 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

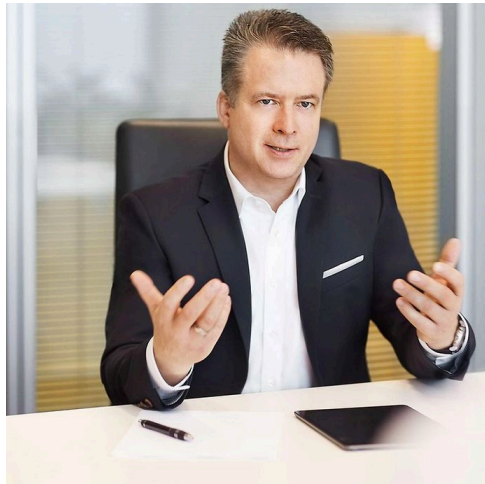


#### **Sustainability**

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

“Our aim is to reconcile **economic, ecological and social developments** and to place the **needs of all stakeholders** at the core of our activities.”

Dr. Lars Brzoska  
Chairman of the Board of Management



“We create **sustainable value**: Our products, solutions & services lead to **efficiency and sustainability for our customers.**”

Christian Erlach  
Member of the Board of Management  
Sales



“Jungheinrich stands for **entrepreneurship with vision** and ensures **sustainable growth.**”

Dr. Volker Hues  
Member of the Board of Management  
Finance

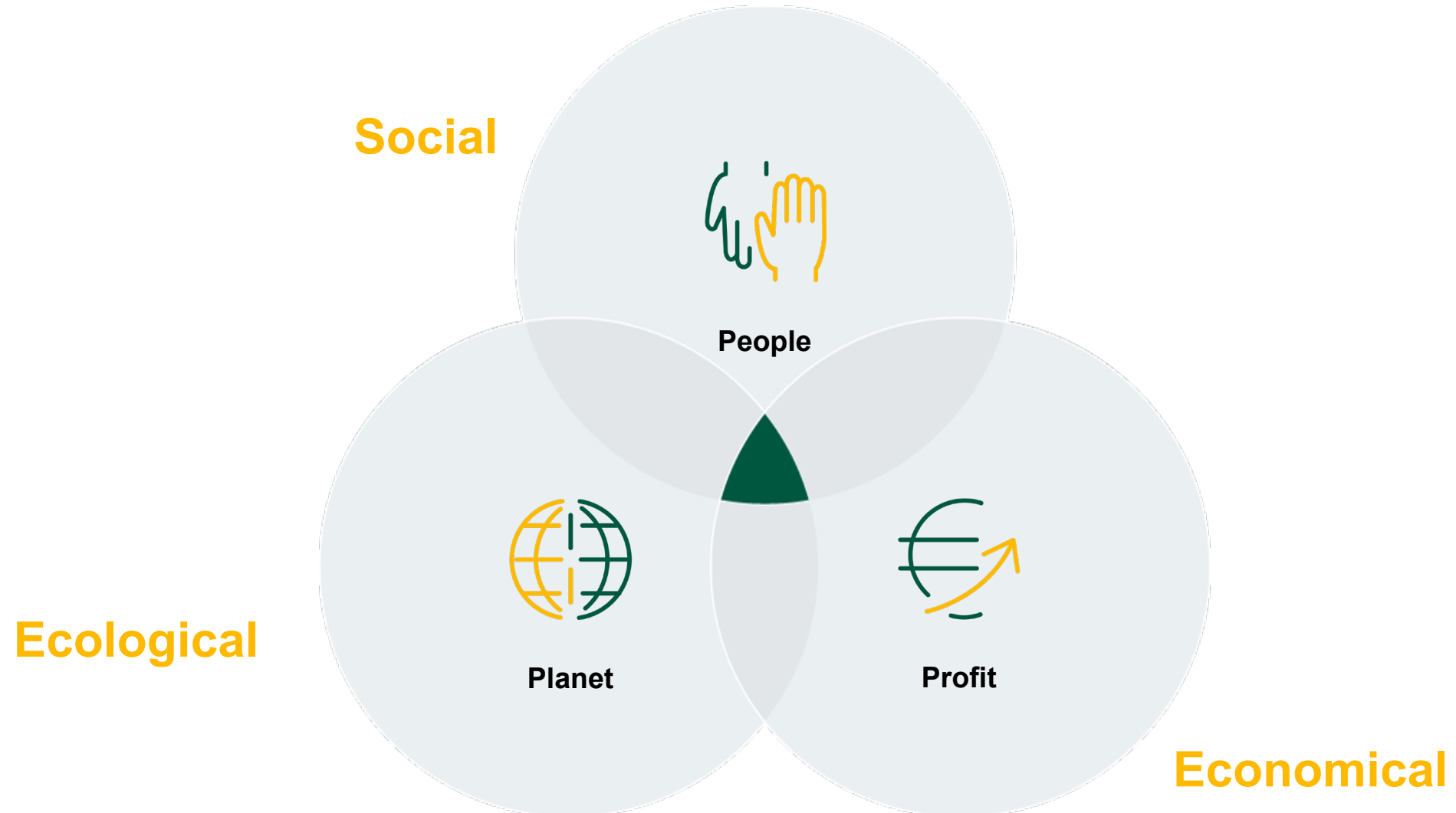


“Jungheinrich **electrifies intralogistics** with **energy expertise and innovative spirit.**”

Sabine Neuß  
Member of the Board of Management  
Technics



**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



## Reduce resource and energy consumption

By 2025: 0% landfill waste in German plants

By 2030: 0% landfill waste worldwide through internal processes



## Ensure transparent and sustainable procurement

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



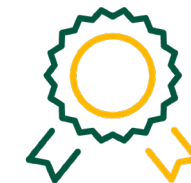
## Promote the health and safety of our employees

By 2025: Improvement of lost time injury rate (LTIR) to 12.5



## Provide intralogistics with sustainable products and solutions

Boost revenue with sustainable products in line with the EU taxonomy



## Achieve top ratings as proof of our sustainability performance

EcoVadis / CDP / MSCI ESG Ratings / ISS ESG

# Our contribution to climate neutrality: net zero greenhouse gas emissions.



DRIVING AMBITIOUS CORPORATE CLIMATE ACTION



**Net zero emissions according to SBTi**  
(CO<sub>2</sub>e-neutral value chain)

**2050**

**Net zero emissions in Scope 1 and 2**  
(CO<sub>2</sub>e-neutral business operations at all sites and plants)

**2030**

**Net zero emissions Germany Scope 2**

**2021**

**2025**

Preparation of net zero emissions in Scope 1 and 2

**2040**

Net zero emissions according to The Climate Pledge





**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.

# -15,000 t CO<sub>2</sub>e



- ▶ We have switched all locations where possible in Germany to green electricity, saving around 15,000 t of CO<sub>2</sub>e per year. International locations will follow.
- ▶ First-time 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.

# 75 %

# [§]

- ▶ Over 700 suppliers, who account for over 75 % 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

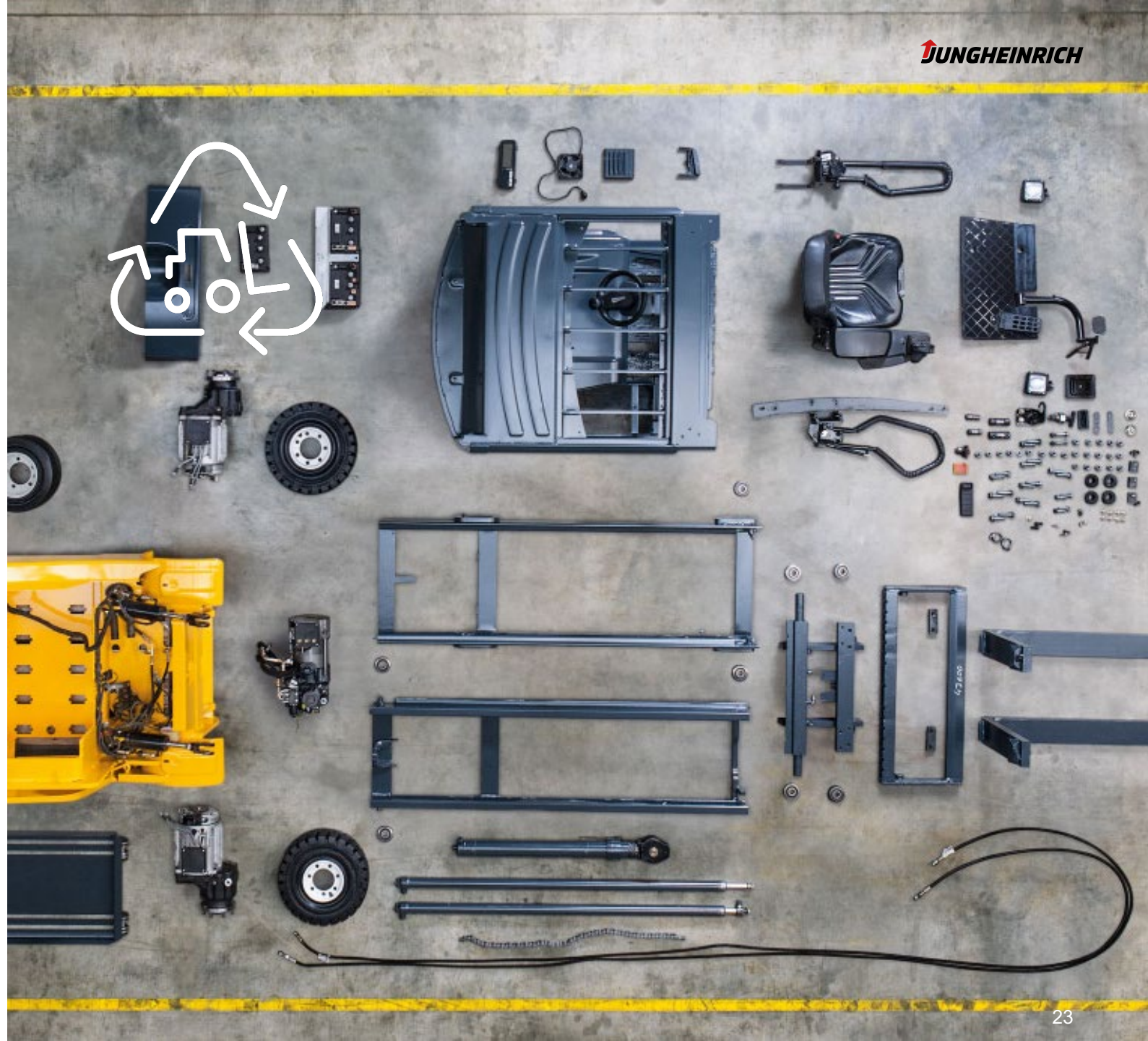
Further  
expansion of  
refurbishment



# 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.
- ▶ 2022 and 2021, more than **11,500 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 almost 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 2022 & 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 2022

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***