

# Our aspiration for a zero carbon future

## Addressing climate change

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# We provide comprehensive, global logistics solutions



**No. 1**  
globally

**Air Logistics**

2.2 million  
tonnes handled



**Top 5**  
in  
**Europe**

**Contract logistics**

10.2 million m<sup>2</sup>  
warehousing space  
worldwide



**No. 1**  
globally

**Sea Logistics**

4.6 million TEUs  
shipped



**No. 1**  
globally

**Road Logistics**

**24.4** million  
road orders



**Top 3**  
globally

**Integrated  
Logistics**

750+ supply chain experts  
in 8 control tower locations

# Our global network



**106**  
countries  
worldwide

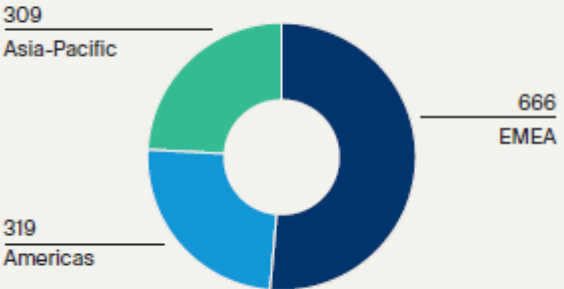


**1,294**  
sites  
worldwide

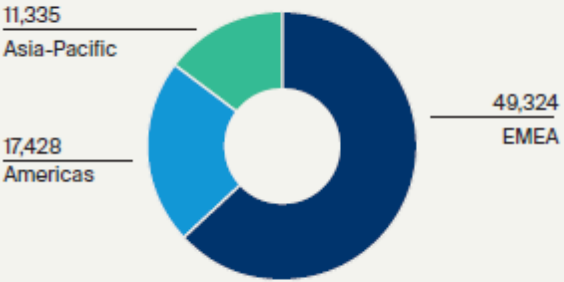


**78,087**  
employees  
worldwide

Number of sites by region

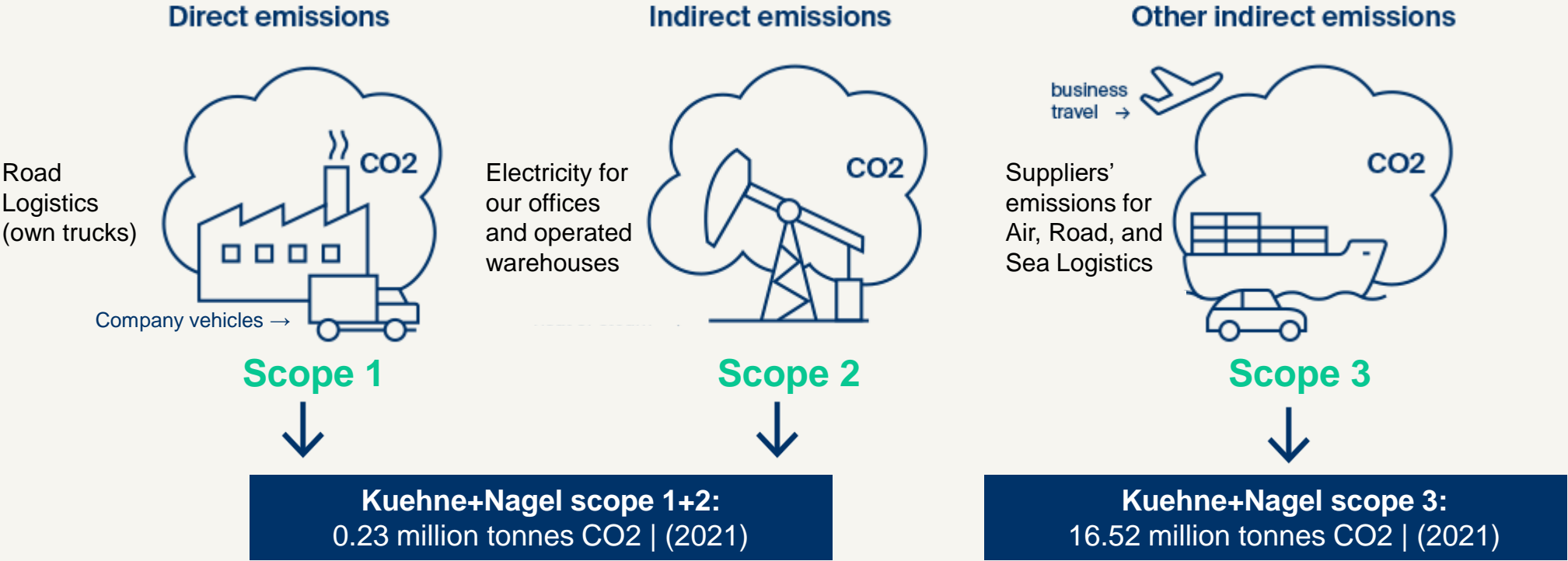


Employees by region



# Supporting our customers and suppliers with solutions is key to decarbonisation

**98.6%** of Kuehne+Nagel's emissions are created in our value chain (scope 3)





# Our 2030 environmental targets

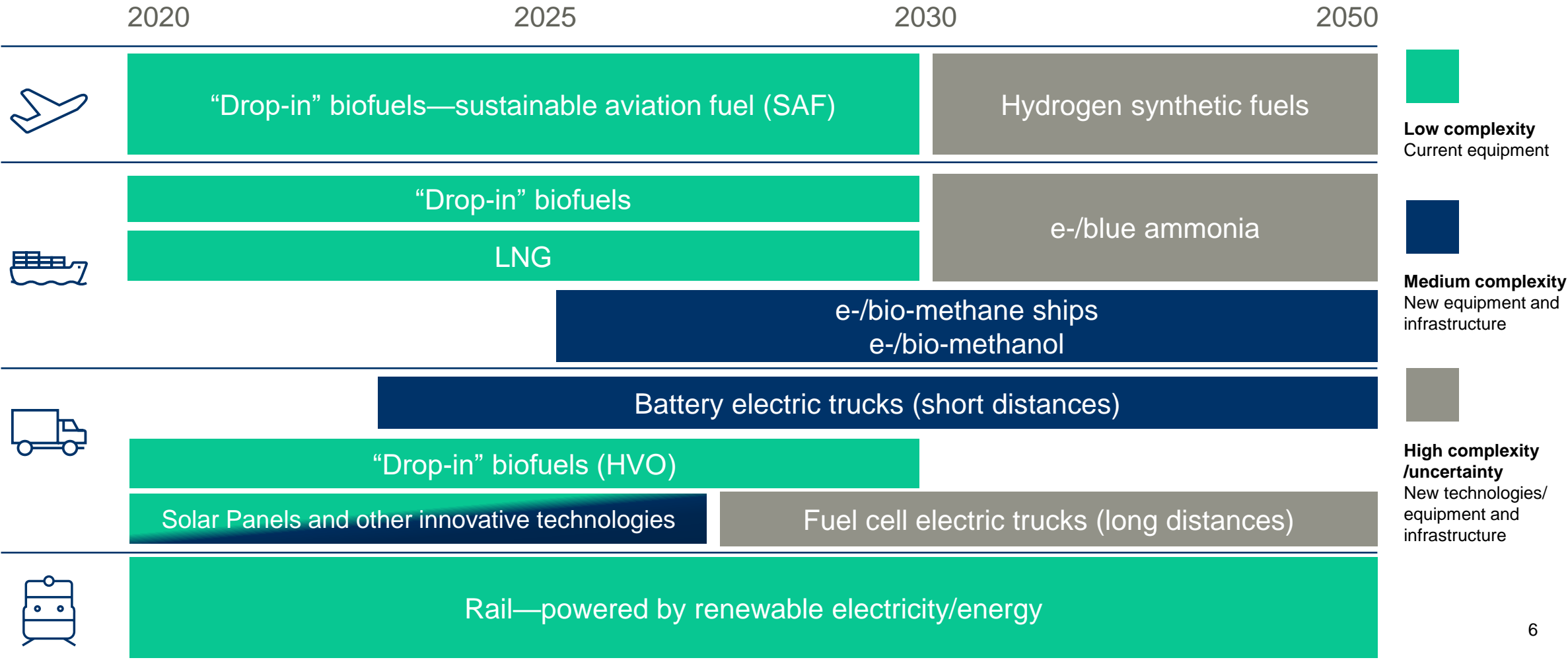
Kuehne+Nagel's commitment to the SBTi and beyond

- **CO<sub>2</sub>e reduction goals** (near-term goals aligned and approved by the SBTi):
  - **33% absolute reduction** of Kuehne+Nagel's total emissions against the 2019 baseline
  - **5.5 Mt emission reduction** in our supply chain
- **100% renewable energy** and maintain 100% renewable electricity in all our sites
- **Zero waste** to landfill
- **Zero Plastics in all facilities**
- **Maintain 10% reduction of water consumption** (vs. 2019)



# Transformative clean technologies are developing

Low-carbon modes of transportation are the bridging solution to 2030+



# Key levers for a zero carbon future



## Customer collaboration

Building strong partnerships with customers to jointly address scope 3 emissions



## Supplier engagement

Engaging with suppliers/carriers in scope 3 for decarbonisation efforts



## Low carbon fuels, renewable energy

Using alternative fuels and renewable energy to decrease the carbon density of transport warehousing activities



## Technology and data

Utilising technological advancements (e.g. big data) to increase visibility, optimise transport activities, and invest in new low carbon vehicles



# Our decarbonisation offer for our customers

## Aligned with the SBTi

### Measure

**Measure** the emissions in the supply chain based on reliable data

### Avoid

Leverage data analysis, operational optimisation and consolidation, modal-switch solutions, carrier and route preferences to continuously improve and to **avoid emissions**

### Reduce

Leverage new transport technologies and prioritise low-carbon fuels (SAF, next generation biofuel, HVO\*) to **reduce emissions**

### Offset

We also offer **compensation** projects in other sectors (VCS, GS\* certifications) outside our value chain

\*SAF = Sustainable aviation fuel  
HVO = Hydro-treated vegetable oil

VCS = Verified Carbon Standards,  
GS= Gold Standard



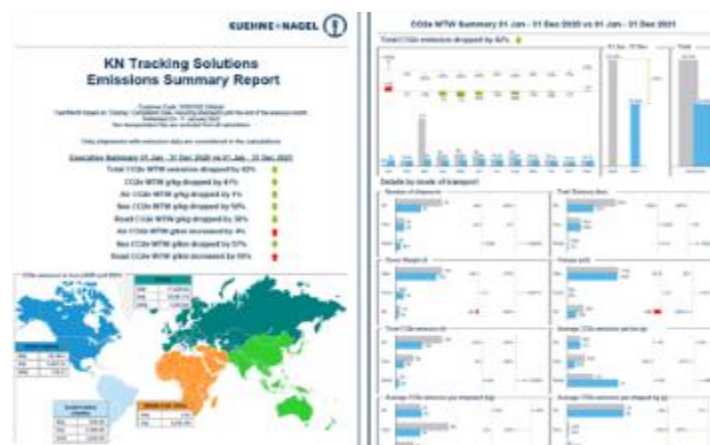
# Measuring CO<sub>2</sub>e emissions

## Visibility, reporting, analytics



## Emissions Visibility

Customers can have access to their emission information on a shipment level



## Emissions Reporting

- Interactive emission Dashboard
- Emissions Summary Reports
- Emissions detail reports (shipment level, breakdown per leg, shipment status)



## Emissions Analytics

- Possibility to manage the CO<sub>2</sub>e emissions for a customer's complete supply chain
- Setting and monitoring of targets
- Monitoring of data quality

# Seaexplorer

The digital platform for emission transparency

## Applicability:

Visibility

## Purpose:

Provides full control of global routing options across carriers with CO<sub>2</sub>e transparency

## Scope:

- Worldwide availability

## Benefit:

- CO<sub>2</sub>e emissions and ratings per routing
- Real time visibility
- Data-driven



# Biofuel solutions for different modes of transport

## Emission reduction



### Sea freight

We have secured the equivalent volumes of a waste-based next generation biofuel to **save CO<sub>2</sub>e emissions of 40,000 TEUs**.



### Air freight

- Sustainable aviation fuel (SAF) for air freight is the bridging solution to **immediately reduce** CO<sub>2</sub>e emissions. In 2022, we sold and deployed more than 11 million litres of SAF
- We also invest in the production of **new synthetic fuels**



### Road Logistics

Waste-based Hydrotreated Vegetable Oil (HVO) fuel replaces diesel and offers **up to 83% reduction in CO<sub>2</sub>e emissions**. HVO is being used on a 3,700km round trip from Belgium to Spain for shipping vaccines.



# Renewable energy initiatives for trucks and warehouses



## Solar Panels on trucks

The solar panels reduce fuel consumption by up to 1,200 litres per year, per vehicle.

This reduces a truck's overall fuel consumption by up to 6%, lowering CO<sub>2</sub>e emission per truck by 3.8 tonnes on an annual basis



## Sustainable airport corridors

- Electric vehicle service for airport transfers in India
- Electric truck service to shuttle cargo from airlines to local facilities (Los Angeles)



## Solar power generation

- Utilising the large surface area of our warehouses in Luxemburg, the 17,000 solar panels generate approximately 5,900 MWh per year
- 100% of our electricity comes from renewable sources



# Our partnerships for addressing climate change



## UN Global Compact

Kuehne+Nagel joined the **UN Global Compact**, which is the largest and most global platform for business engagement on the **Sustainable Development Goals (SDGs)**. The platform translates the SDGs for businesses globally and helps companies understand how they can leverage these goals to drive good practices and growth opportunities.



**Development and  
Climate Alliance**



**Road Freight Zero**



**Smart Freight  
Centre**



**Getting to Zero  
Coalition**



**Clean Skies for  
Tomorrow Coalition**

**Our Vision:**  
**We want to be**  
**the best**  
**company to**  
**work for and**  
**work with**



Inspire. Empower. Deliver.





# Our social goals through the lens of the UN SDGs



**Double female representation in top leadership**

Improve our talent processes such as talent identification in our succession pipeline as well as hiring practices



**Increase intake of interns by 15%.  
Increase conversion to full time employment**

Measure the intake and increase efforts to create more opportunities for young starters



**Create a workplace where everyone feels they belong**

Our Balance+Belonging programme focuses on diversity and inclusion.



# Local Success stories



**Ecuador**  
One of the Best Places to Work for Women



**France**  
high score in trainee index

**China**  
one of the Top Graduate Employers

**Sweden**  
Top 100 employers for young talents

**Vietnam**  
Best Employer of Choice (2<sup>nd</sup> year in a row)

**France & UK**  
Certified Top Employer

