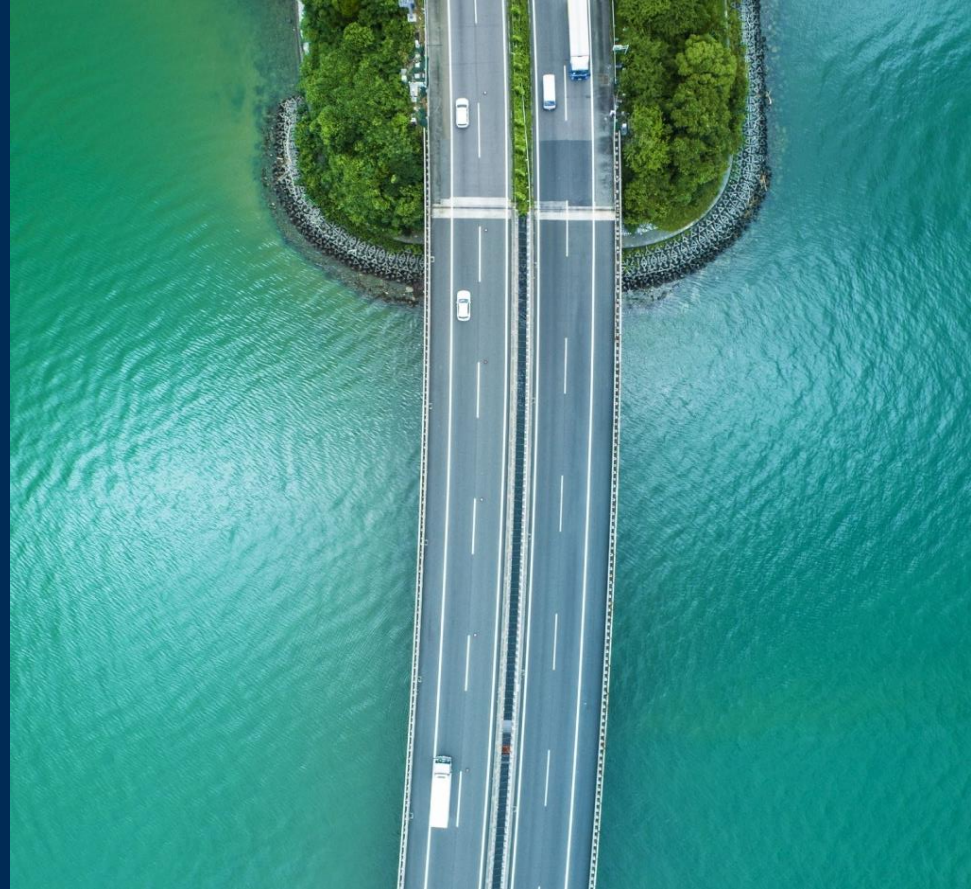




Net Zero Carbon

Our commitment to
sustainability in logistics.

Edgar Uribe
14, November 2019





With „Net Zero Carbon“ we address CO₂ reduction in transport and logistics services worldwide. In addition to our own **CO₂ neutrality**, we offer solutions to our customers for reducing their supply chain's CO₂ footprint.

KNGreen 2020 Major Achievements



Carbon emissions:

24% of total carbon emissions avoided by implementing KNGreen

Low carbon energy:

20% of our total energy consumed is from renewable sources

Environment champions:

More than 800 environment champions trained and working around the world

LED illumination:

3,000,000 sqm installed and the number continues growing every year

Electric vehicles:

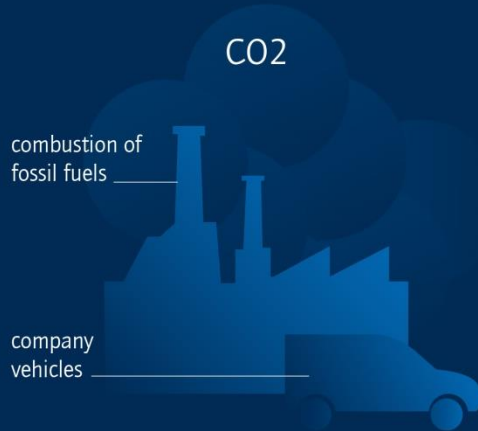
All company's forklifts are 100% electric

Net Zero Carbon

Carbon neutrality targets until 2030



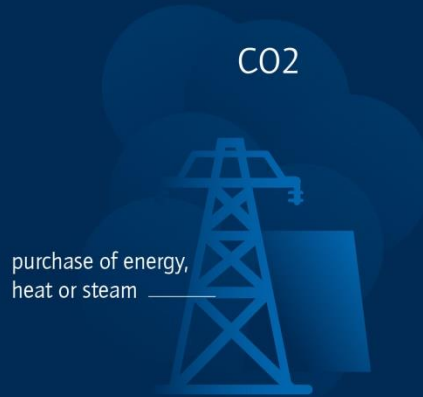
Direct emissions



Kuehne + Nagel carbon neutral according to scope 1+2 as of 2020

SCOPE 1

Indirect emissions



SCOPE 2

Other indirect emissions by non-company controlled sources



Kuehne + Nagel carbon neutral according to scope 3 by 2030

SCOPE 3

Net Zero Carbon

Scope 1+2 as of 2020



As of 2020, we will be fully carbon neutral worldwide for *all* direct and indirect emissions in our own sphere of influence.

How will we neutralise Scope 1 + 2?

- **Visibility**
Global Facility Carbon Calculator
- **Reduction**
e.g. usage of renewable energy and solar panels on logistics facilities
- **Offsetting** the remaining CO₂



Net Zero Carbon

Scope 3 by 2030 – We act now



- Carbon neutral including our suppliers' and clients' footprint / 3rd party emissions by 2030

We want to neutralise the emissions included in Scope 3 of the GHG Protocol by addressing the CO₂ footprint of our suppliers: airlines, shipping lines, and haulage companies – together with our customers.



How will we achieve Scope 3?

CO₂ visibility enables CO₂ reduction



- Advanced CO₂ visibility through *Big Data and predictive analysis*
- In addition to CO₂ reports: *Full visibility* of shipping-related emissions in our SeaExplorer platform for liner services in container shipping
- We provide the opportunity to select *transport routes that emit substantially less CO₂*
- Further customer facing CO₂ emissions visibility platforms for Airfreight and Overland are being developed



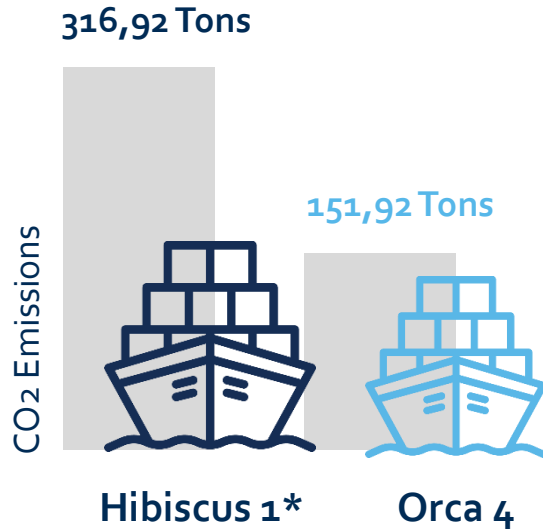
CO₂ Visibility enables CO₂ Reduction

Example CO₂ savings based on SeaExplorer data



Shanghai to Long Beach

Distance 10,551 km, 350 TEU

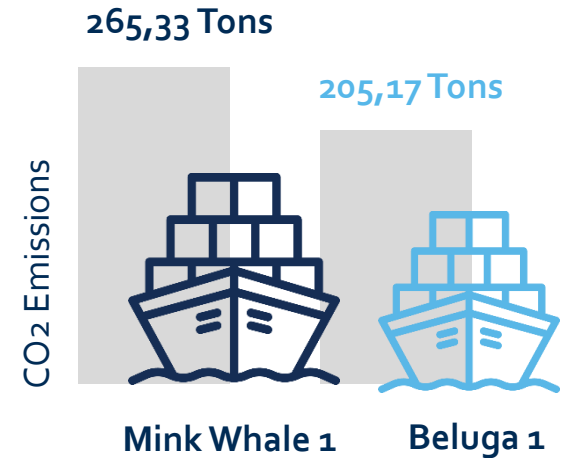


Possible Savings
165 Tons CO₂ = 52%



Ningbo to Rotterdam

Distance 19,264 km, 350 TEU



Possible Savings
60 Tons CO₂ = 23%

*Kuehne + Nagel's terms for certain ocean freight services

Framework of our Net Zero Carbon Programme

Key to comply with our customer's requirements and global standards



Climate Neutral



Kuehne + Nagel's Net Zero Carbon Programme fits into our overarching climate activities.

Thank
you

