

METRANS

THE SUSTAINABLE INTERMODAL SOLUTION

THE HHLA Pure



METRANS 2023 – The HHLA Pure

CO₂-neutral transport chains from the port to the hinterland

Hamburger Hafen und Logistik AG (HHLA) and **METRANS** are increasing its efforts to protect the climate and conserve resources. The aim is to make the entire Group climate neutral by 2040. The already successfully implemented sustainability strategy will now be realized under

the “Balanced Logistics” brand. HHLA and METRANS hereby underscore the commitment to be both, economically successful as well as socially and ecologically responsible.

We have developed The HHLA Pure, a product that can ensure climate neutral transport chains from the port into the European hinterland, making an important contribution to lowering transport-related CO₂ emissions. This product allows our clients to combine the strength of Hamburg as the largest European rail port with the environmentally friendly rail transport offered by the intermodal solution of METRANS.

We as METRANS are using energy efficient electric trains and lightweight flat wagons, which can transport more containers with the same train length. This offer enables You, our customers, to make Your container transport climate friendly and increases competitiveness at the same time. In the 2019 we have successfully managed a pilot and in the 2020 the product is ready for rollout. In the first phase we offer routing from/to Hamburg, from now on we also can offer you from/to Bremerhaven and Koper. In 2021 we started to use only green energy in Germany as well as in Austria and reduced the CO₂ for further 60%. During 2021 – 2022 we transported more than 900 tsd TEU per year with Zero Emission and more and more forwarding companies and shipping lines ask for certificates.

The map illustrates the METRANS rail network across Central Europe. A legend in the bottom left corner defines the symbols used:

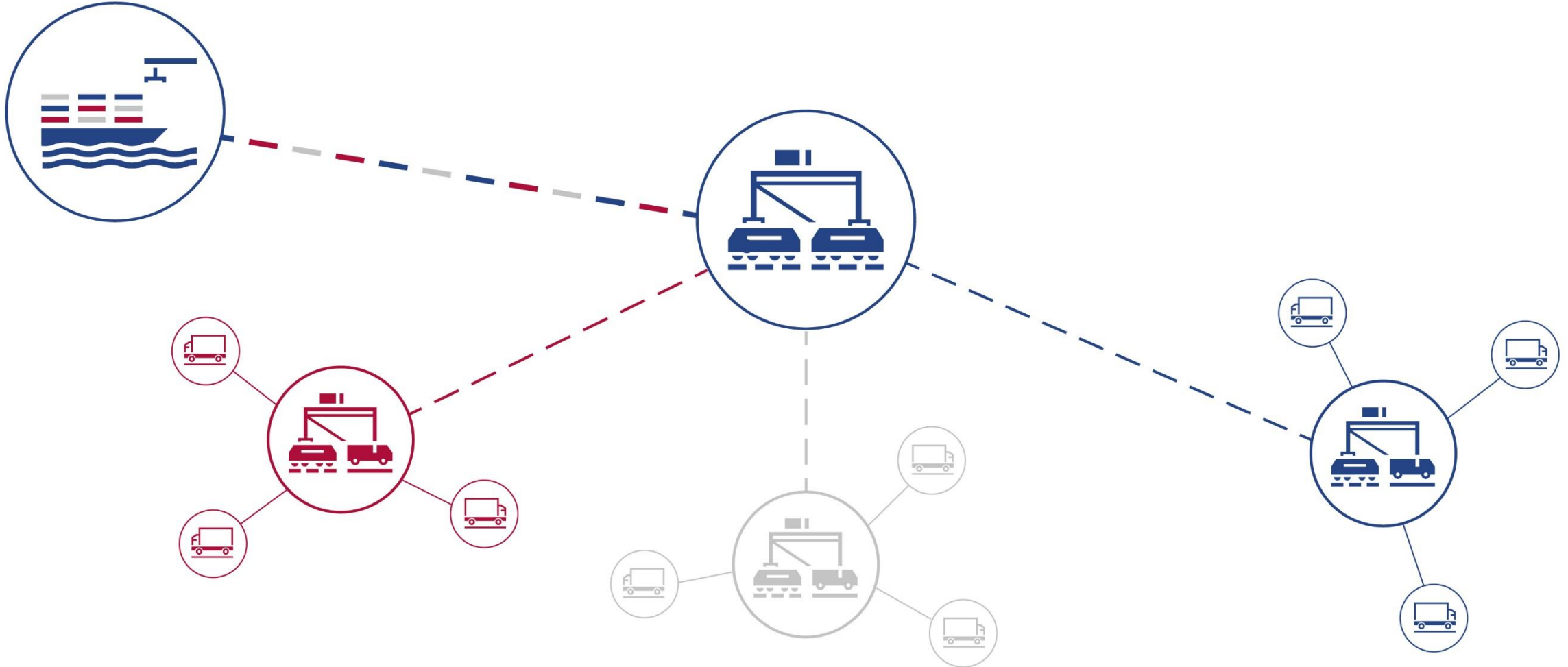
- METRANS HUB TERMINAL:** Represented by a solid dark blue square.
- METRANS TERMINAL:** Represented by a solid dark blue square.
- COOPERATING TERMINAL:** Represented by an open square.
- INLAND TERMINAL:** Represented by an open circle.
- SEAPORT TERMINAL:** Represented by a solid dark blue circle.
- REGULAR RAIL CONNECTION:** Represented by a solid dark blue line.
- RAIL CONNECTION ON REQUEST:** Represented by a dashed dark blue line.

The map shows a dense network of terminals and connections, primarily concentrated in Central Europe. Key hubs include Hamburg, Berlin, Poznań, Wrocław, and Budapest. The network extends from the North Sea coast (Rotterdam, Antwerpen) to the Black Sea (Istanbul) and from the Baltic Sea (Gdynia, Gdańsk) to the Carpathian Basin. A note near Zalaegerszeg indicates a future connection: "Zalaegerszeg to come... 2024".



The Hub and Shuttle System

The Ports are linked with a Network of Hub and Inland Terminals





HHLA Pure CO₂-neutral container handling and transport

With the HHLA Pure product METRANS offers our clients a CO₂-free handling and also transport, and thus, together we make a real contribution towards climate protection.

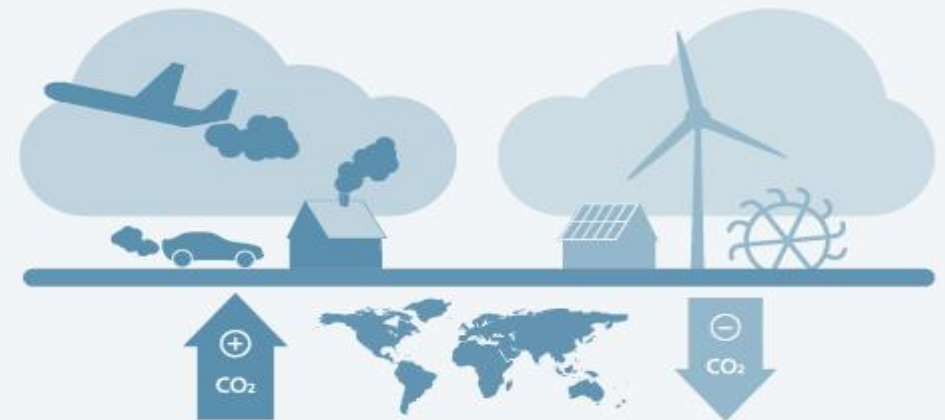
HHLA and METRANS course of action

- Modern hybrid and electric locomotives
- Electrification at the port container terminal with electric storage crane system, electric vehicles

How does the CO₂ compensation work?

Compensation is still worthwhile, even when large distances are involved

- Burning fossil fuels releases CO₂ emissions into the atmosphere.
- As the atmosphere has no borders, it makes no difference where in the world the CO₂ emissions are produced; the impact is the same the world over.
- **The solution** – with the course of action we solve CO₂ emission – for remaining emission we buy Certificates for environmental projects.



Quelle: http://www.myclimate.org/uploads/tx_nivoslider/KOMP-co2_01.jpg

OUR PRODUCT: GREEN HANDLING & GREEN TRANSPORT

Certified CO₂ neutrality for transportation from the port all the way to Europe's hinterland



- Handling at the HHLA container terminal with widely electrified processes
- Transport and collection via METRANS with CO₂-optimised trains and wagons.
- Any currently unavoidable CO₂ emissions are offset through certified development projects to the highest international standard (Gold)
- Process:
 - Certification of HHLA Pure by TÜV Nord
 - Receiving customer-specific transports (volume/route)
 - Offsetting and monitoring by TÜV Nord.
- Confirmation of climate-neutral transports for customers.

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**Thank you for your
attention!**

