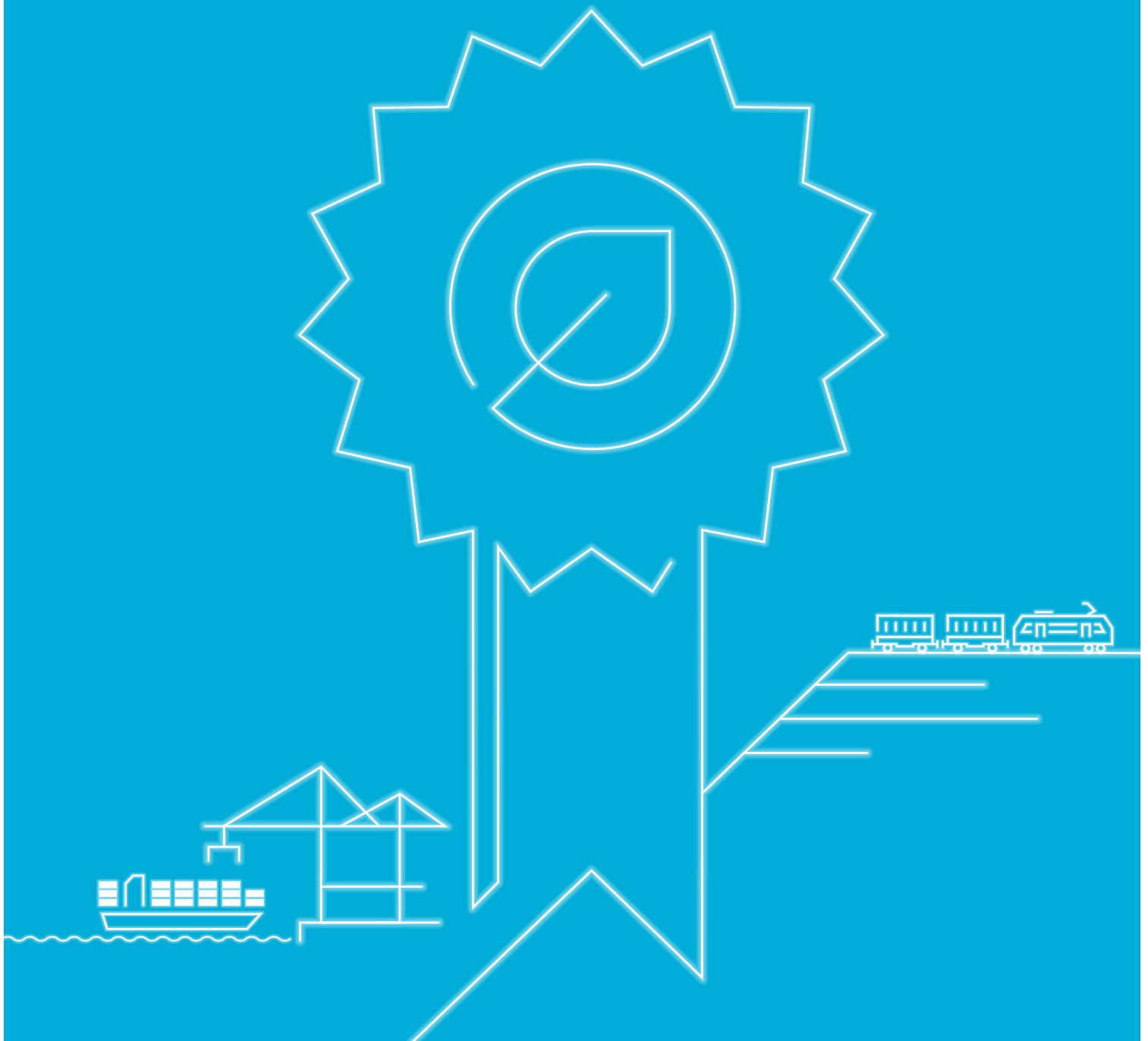




GATEWAY TO THE
FUTURE

HHLA Pure

For a climate-neutral supply chain – from the quayside to the hinterland
A service from Hamburger Hafen und Logistik AG



Welcome to the future of logistics: clean solutions for your supply chain

The future of logistics is carbon-free. It is the only way we can harmonise the rise in goods transportation with our climate protection objectives. With HHLA Pure, we have created a solution that combines all of the steps involved in intelligent container logistics in order to offer **eco-friendly handling and transport**.

THE LEADER IN ENVIRONMENTALLY FRIENDLY LOGISTICS | CTA is largely electrified.

SOMETIMES, EVEN SMALL CHANGES have a big impact. No one could have imagined how a movement such as the Fridays for Future climate change protests could have become such a powerful force for change around the globe. The combined actions of hundreds of thousands of children and young people have managed to achieve what countless conferences and declarations of intent had never managed.

The topic of climate change is now a defining factor in the social consciousness and has become a central issue for people from all walks of life and even companies.

Hamburger Hafen und Logistik AG didn't need this as a wake-up call. Sustainable business practices have been embedded in the DNA of the company for a very long time. Whether in innovations in container throughput, the expansion of intermodal networks or the implementation of the digital strategy – our decision-making process is governed not only by questions of economic value but by issues regarding the environmental benefit for people and nature. The same applies to HHLA Pure. With cutting-edge technology, HHLA Pure optimises all the steps

involved in intelligent container logistics, boosting its green credentials.

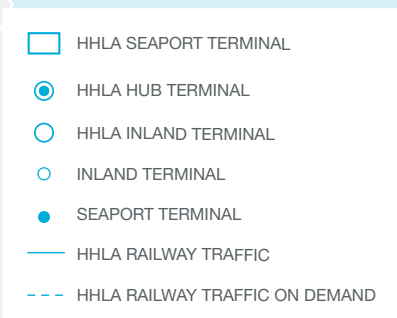
Carbon-neutral transport offers you and your customers the possibility to improve your own carbon footprint and thus make an effective contribution towards protecting the climate. After all, considerable amounts of CO₂ are released in the transportation of products and goods.

With HHLA Pure, HHLA customers can offset these emissions via certified development projects. Engaging with the topic of climate change is not only good for your image, it is also quantifiable. This is because the amount of reduced emissions are reliably documented.

With HHLA Pure, we guarantee our customers climate-neutral throughput and transport of their goods from our terminals in the Port of Hamburg all the way to the European hinterland.

The advantage for you: You can reliably document our eco-friendly logistics for your customers. Because we not only ensure that any carbon dioxide emissions are eliminated or offset at every step in the logistics chain, we can also prove it.





Carbon-neutral transport with HHLA Pure

Thanks to the extensive METRANS transport and terminal network, HHLA Pure is available in much of Europe.*

* To check which routes are available with HHLA Pure, please ask your contacts at HHLA or METRANS.

Reliable

We document your transports reliably in order to ensure a carbon-neutral logistics chain.

Sustainable

With the use of intelligent technologies, we are able to avoid and reduce carbon emissions, while unavoidable emissions are offset.

Credible

We certify your carbon-neutral transport with a confirmation, enabling you to prove your commitment to tackling climate change.

HHLA strengthens your company's sustainability strategy

Integrate HHLA Pure into your sustainability strategy. We reliably document your transports and certify the **carbon-neutral logistics chain in the form of a confirmation**. Show your customers that your goods are transported with a neutral carbon footprint.

CO₂ OFFSETTING |

Offsetting of all unavoidable CO₂ emissions through voluntary compensation measures in accordance with the highest sustainability standard (gold standard).



Restoration of rainforests in Panama



Wind farms in India



Low-friction anti-fouling paint for ships



**HHLA Pure offsets
16.2 tonnes CO₂
per rail route**

(Sample calculation of a fully laden train with 108 TEU cargo from Container Terminal Burchardkai in Hamburg to Budapest)

CONFIRMATION |

By doing so, we can certify the carbon-neutral transportation of your goods and the offsetting of any CO₂ emissions. This enables you to prove your commitment to protecting the climate.

CARBON-NEUTRAL LOGISTICS CHAIN |

Here, you can see a selection of the routes for which we are able to offer carbon-neutral transportation. The emissions values have been audited and certified by the TÜV Nord safety certification organisation.

Container Terminal Burchardkai, Hamburg



Distance: 1,207 km

Budapest

METRANS:

150 kg CO₂/TEU are fully offset with HHLA Pure

Average transport*:

240 kg CO₂/TEU**

Container Terminal Altenwerder, Hamburg



Distance: 864 km

Warsaw

METRANS:

130 kg CO₂/TEU are fully offset with HHLA Pure

Average transport*:

240 kg CO₂/TEU**

Container Terminal Tollerort, Hamburg



Distance: 665 km

Prague

METRANS:

90 kg CO₂/TEU are fully offset with HHLA Pure

Average transport*:

150 kg CO₂/TEU**

Interview with Jakob Weets: “We would join a project like this any time!”

The Weets Group, a logistics service provider from Emden, is one of the first partners of HHLA Pure. Managing Director **Jakob Weets** talks about the reasons behind his commitment to sustainable logistics chains.



JAKOB WEETS | Managing Director of the Weets Group



PROOF | Angela Titzrath, Chairwoman of the Executive Board for Hamburger Hafen und Logistik AG, presents Jakob Weets with the confirmation of sustainable logistics chains

What convinced Weets to get on board with HHLA Pure?

Reducing emissions is a major company goal for us at the Weets Group. Because protecting the environment has always been very important to us, we didn't have to think for long about whether we wanted to get involved. We also think that carbon-neutral container handling is a great idea. We set great store by measures to reduce CO₂ emissions and are always happy to support and promote projects of this kind.

How is HHLA Pure going down with your customers?

The project has been well received by our customers and they are delighted that such a service exists.

Do you also offer carbon-neutral logistics services through HHLA Pure?

A large proportion of our cargo is moved using alternative modes of transport (rail, barge). We founded Weets Bahn Transport GmbH as a rail transport company early on, thus making a step in the right direction towards reducing CO₂ emissions and protecting the environment. We have a modern fleet, which we continually expand and upgrade, with the result that it only comprises vehicles meeting the requirements for Euro 5 and Euro 6 emissions categories. We were already using five trucks powered by LNG in 2019. We are also testing the use and practicality of electric trucks within the scope of another project. Electric ground-handling vehicles, photovoltaic systems and high-efficiency lighting (on an area measuring 50,000 m²) are other measures we employ to reduce our emissions. With their higher volumes, the use of two trucks is enabling us to reduce traffic and also protect the environment.

How happy are you with HHLA Pure?

We are very satisfied and would be happy to join a project like this any time.

ENVIRONMENTALLY FRIENDLY LOGISTICS CHAINS |

From the quayside to the hinterland, HHLA is focussing on the eco-friendly electrification of its logistics processes.



Facts and figures

HHLA is a leading European logistics company. The company's strengths include a **comprehensive transportation and terminal network for containers** in seaport-hinterland traffic and increasingly also in continental transport by rail.

More than
2,000

employees now work for the METRANS Group. This accounts for almost one in three HHLA employees.



More than
30,000

METRANS trains criss-cross Europe every year, transporting containers between the seaports and the hinterland.



Approximately
600

train departures are guaranteed by METRANS throughout Europe every week.

More than
3,000

wagons and 80 locomotives in the METRANS fleet. These enable the company to offer its customers a more reliable service and achieve greater dividends from revenue.

8

seaport terminals are operated by HHLA in Germany, Estonia and Ukraine.

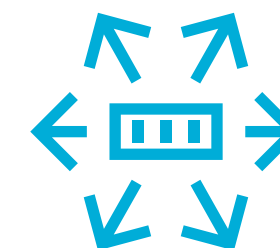


16

terminals in the European hinterland

The network of HHLA rail subsidiary METRANS comprises 16 inland terminals in five Central and Eastern European countries.

Five of these facilities are large efficient hub terminals that bundle and redistribute cargo flows. The newest is the hub terminal in the Hungarian capital Budapest.



Approximately
1,300,000

standard containers (TEU) are transported by rail subsidiary METRANS every year.



24/7

reporting via Track & Trace through cutting-edge EDI technology and quick transport times and customs clearance (AEO Certificate) are part of our intermodal service.

7,500

kilometres would be the length of the line formed by every container transported by METRANS in 2019. This is equal to the linear distance from Hamburg to Tanzania, in East Africa.



720

metres in length and up to 108 TEU can be handled by the optimised train. Reduced braking noise is standard for every wagon.

HHLA develops sustainable solutions

From our container terminals in the Port of Hamburg, we make it possible for our customers to take advantage of eco-friendly handling and transport into the European hinterland.

CTA

The world's first certified climate-neutral container terminal

CTA operations are primarily powered by green electricity. Terminal processes that still produce CO₂ emissions today are being gradually electrified, or their transition to electrical power is being field-tested. The remaining CO₂ emissions are offset by certified compensation measures.

AGV

Intelligent power storage units at the terminal

The automotive industry is still waiting for the era of the self-driving car to arrive. At HHLA, the electrification of all logistics processes has been running at full speed for a long time – for example with the electric, emissions-free and automated container transporters at the Container Terminal Altenwerder (CTA). While powering up, they compensate for fluctuations in the electricity supply using their intelligent technology.

Container throughput

Hybrid straddle carriers

HHLA relies on a broad range of new technologies to make its container logistics eco-friendly. This includes electrified crane systems, the smart management of processes in block storage and straddle carriers with hybrid drive systems (above) at the Container Terminal Tollerort (CTT) and Burchardkai (CTB). These vehicles use the energy from braking for their electric drives, which considerably reduces fuel consumption and emissions.

METRANS

Clean rail transport throughout Europe

The long-distance overland transport of goods is particularly efficient by rail. With HHLA's rail subsidiary METRANS, this is done using electric locomotives. For this logistics network to also function beyond national borders, the locomotives can work with the electricity systems in seven different European countries. At the Port of Hamburg itself, the heaviest shunting work is performed by eco-friendly hybrid locomotives.

Container transport

Eco-friendly truck connections

More efficient processes in truck logistics are guaranteed by the "Fuhre 4.0" programme, which also protects resources. One of the innovations that HHLA is currently working on is electric traction engines. They will be used at CTA between block storage and the rail terminal.



We would be happy to advise you

Whether in Hamburg or Prague, our experienced sales staff at HHLA and METRANS are available to answer your questions.

Together with you, we want to make a contribution towards protecting the climate and natural resources.



Contact:

Maria-Elisabeth Malzkuhn
Tel.: +49 40 3088-2204
Email: sales@hhl.de



Contact:

Robert Groiss
Tel.: +43 676 83787104
Email: rgroiss@metrans.sk



