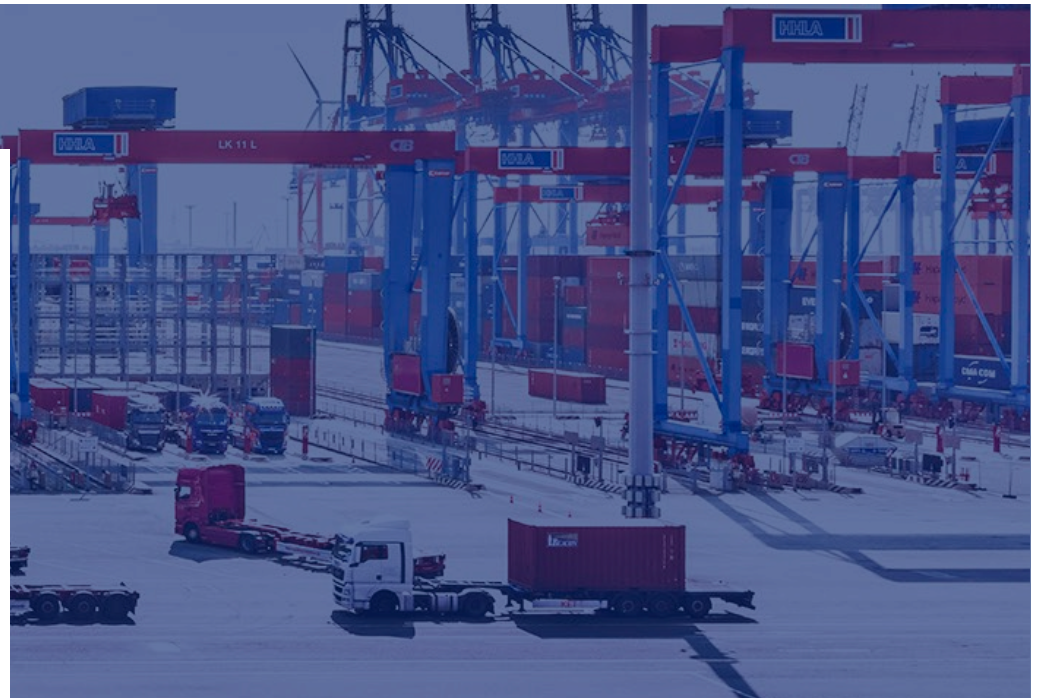




„Clean Port & Logistics - Decarbonising of heavy-duty logistics and port operation“

07.12.2023 - Dr. Georg Böttner



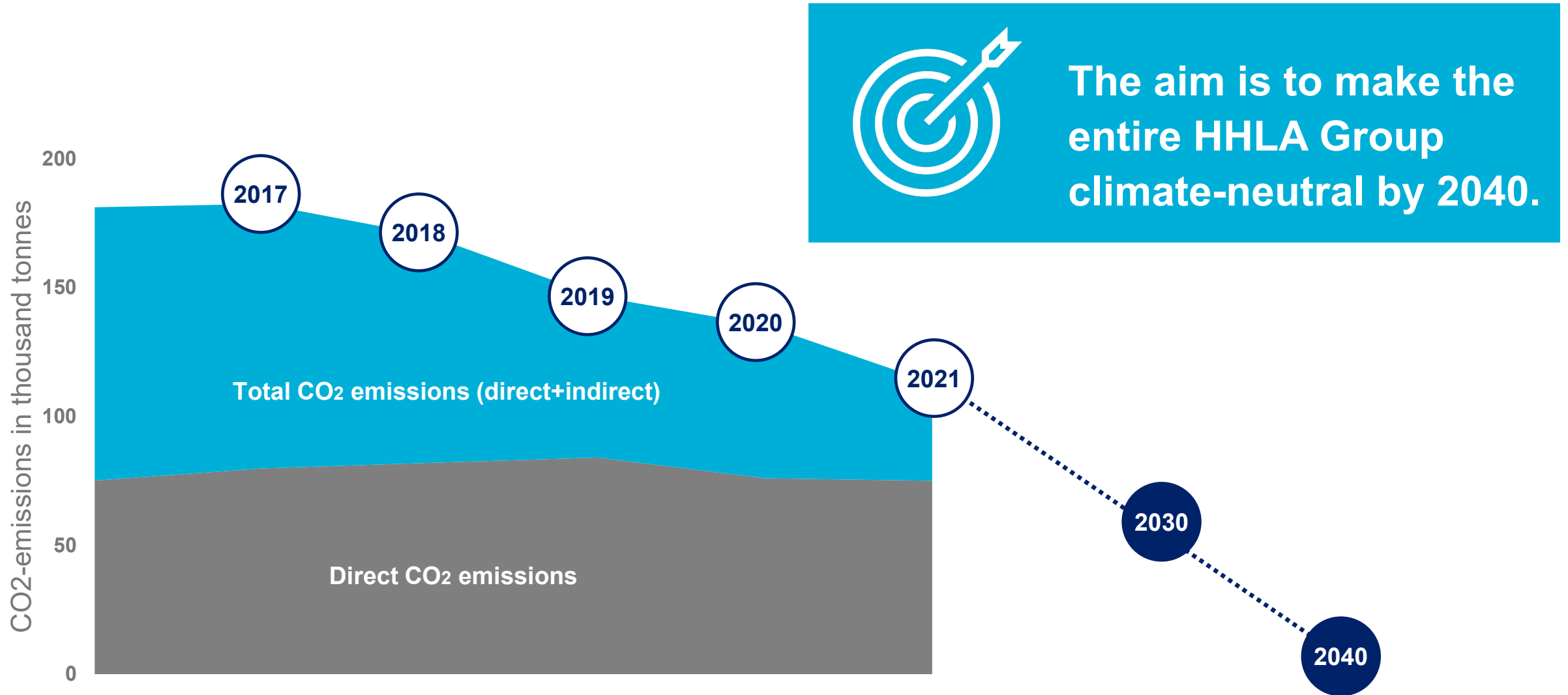
HHLA divides its activities into four segments: Container, Intermodal, Logistics and Real Estate.



HHLA's seaborne handling facilities in Hamburg, Tallinn, Trieste and Odessa are highly efficient logistics hubs for world trade



HHLA sets itself a new climate protection goal. However it's, still a long way to 50% or 100%!



A renewable technology should be reliable, appropriate for 24/7 operation and able to lift heavy goods



On the test field, a variety of heavy-duty equipment with renewable propulsion is to be trialed



1-5 Trucks



Empty Container Handler



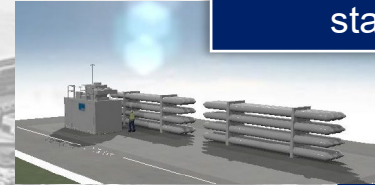
Terminal Tractors



Straddle Carrier



Forklifts



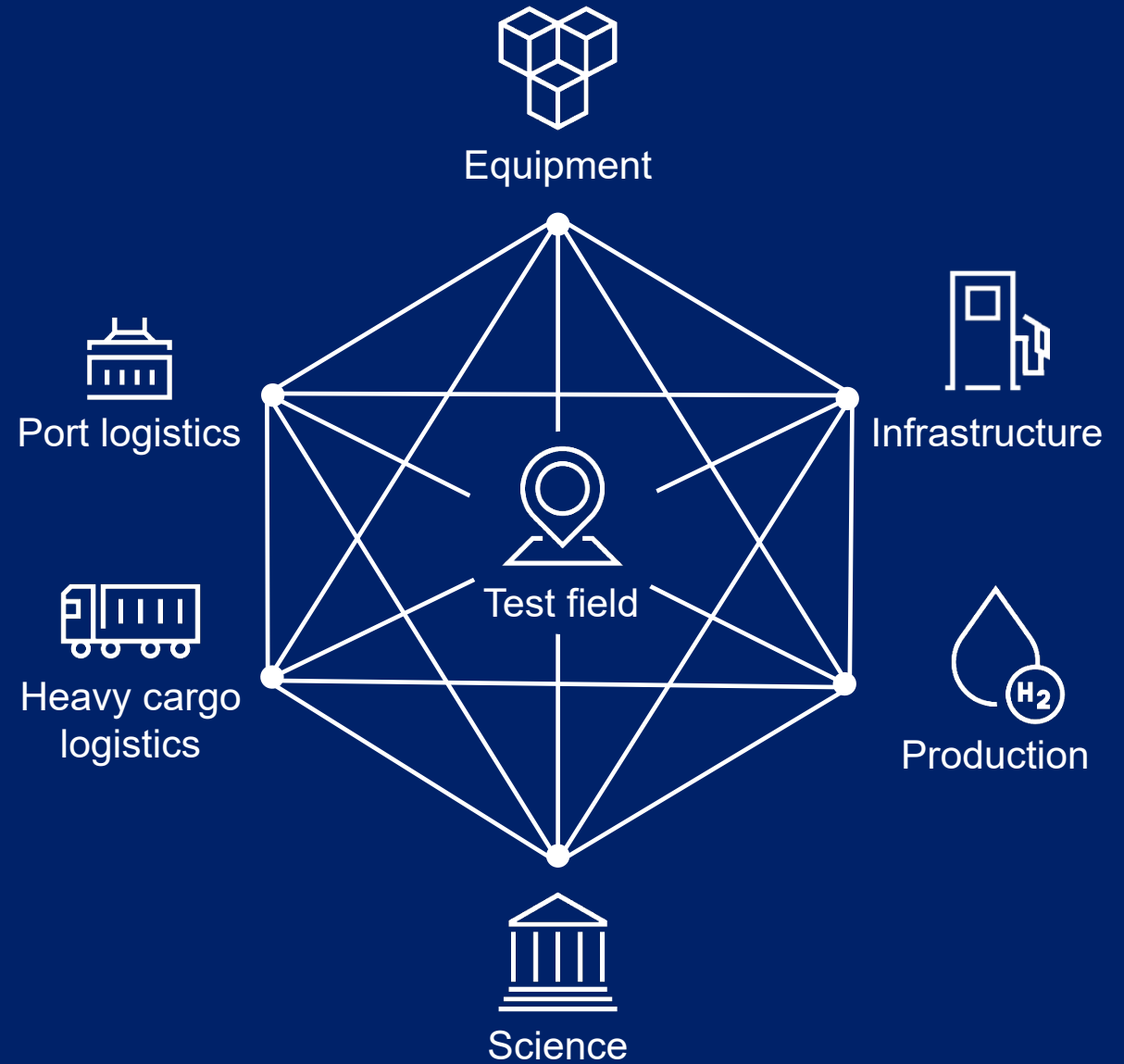
H2 Refueling station



Refuelling and Terminal Tractor

The Cluster

Speeding up transition in heavy duty logistics and port operation



The Members

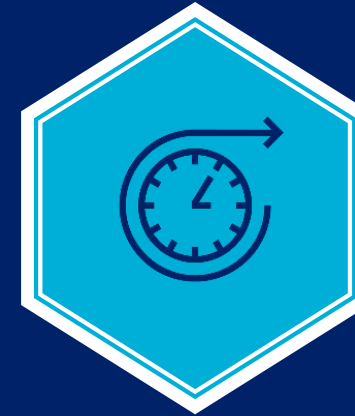
global, regional, local



The Aims



**Robust
foundations** for
decision-making



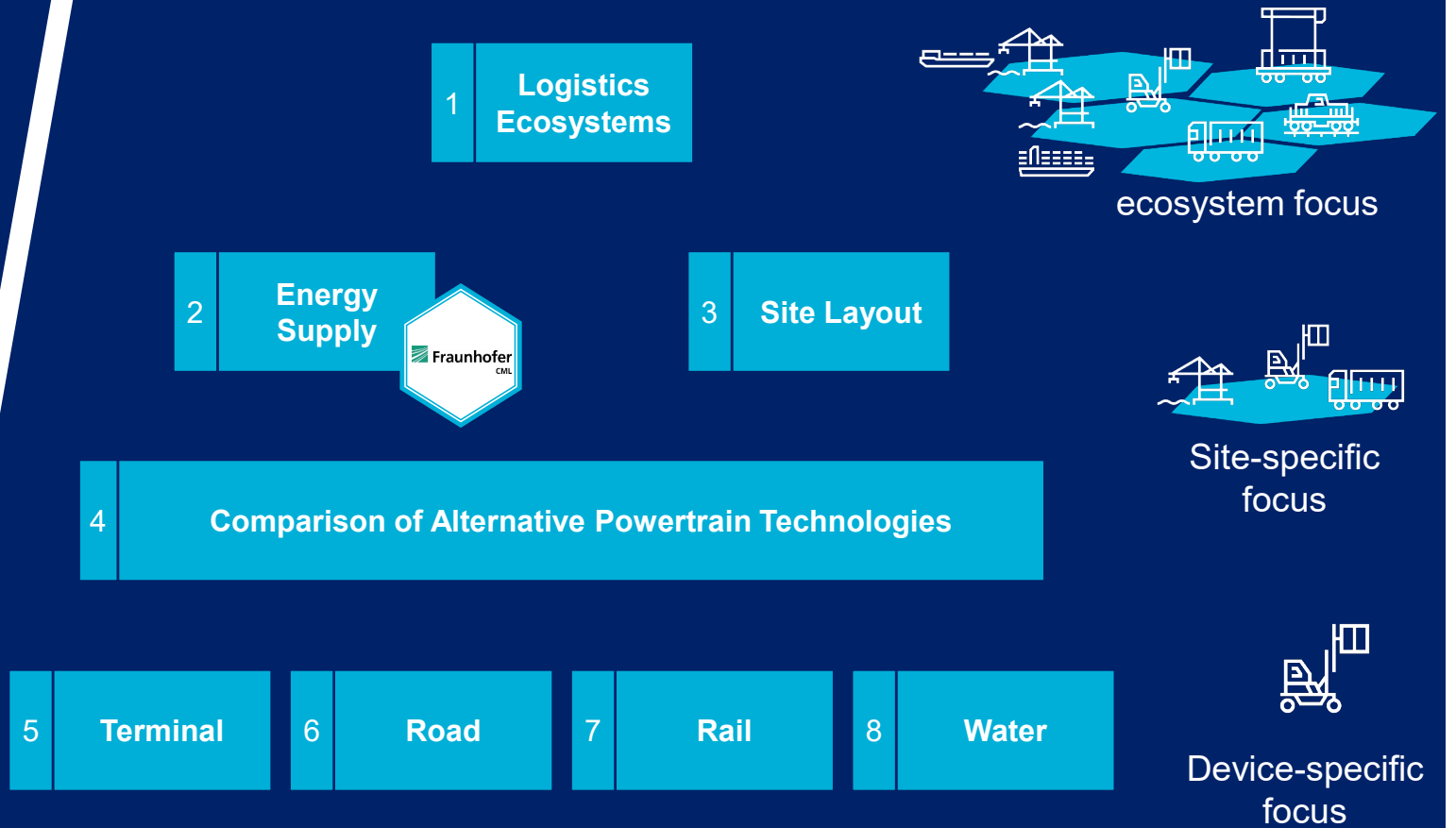
**Rapid market
maturity** of the
technologies



**Lively
marketplace** where
solutions quickly
find their users

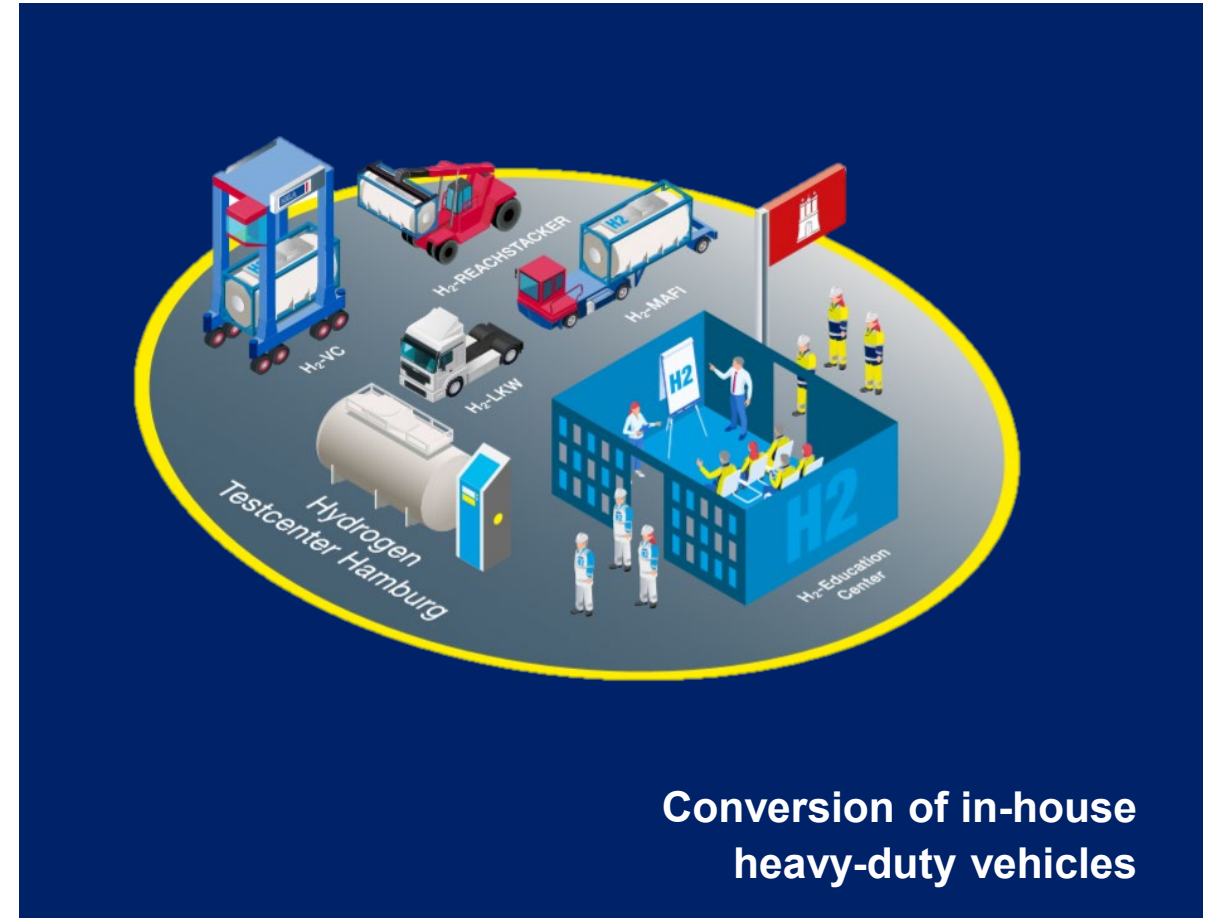
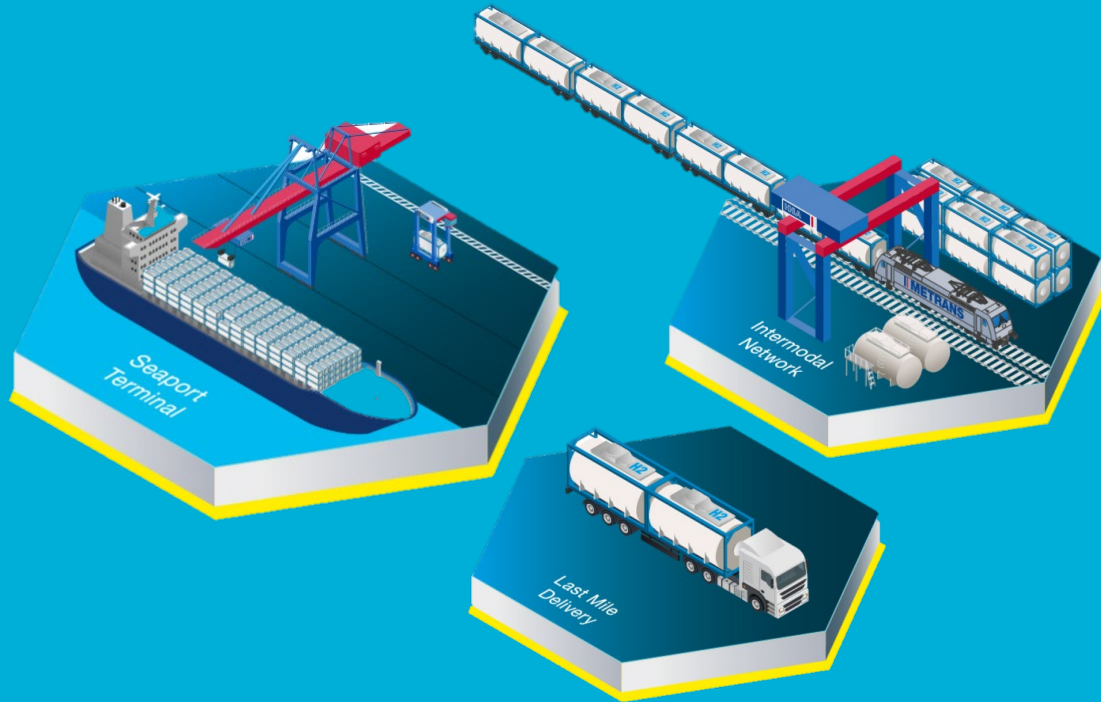
Working Groups

Topics and focuses



The aim of the hydrogen activities is to unlock profitable growth areas along the transport routes of tomorrow

Positioning in the area of import and distribution



Conversion of in-house heavy-duty vehicles

HHLA connects hydrogen application with national and international hydrogen import and distribution projects

Conceptual phase

gwi
Bundesministerium für Bildung und Forschung
AquaVentus
GASCADE
RWE
Hanse Werk
hydrogenious
MUKRAN PORT
Helgoland
Fraunhofer

Leitprojekt TransHyDE

Feasibility for import strategies
of different carriers

Demonstrator setup

Homepage → Media → Newroom → Detail view

21.10.2022

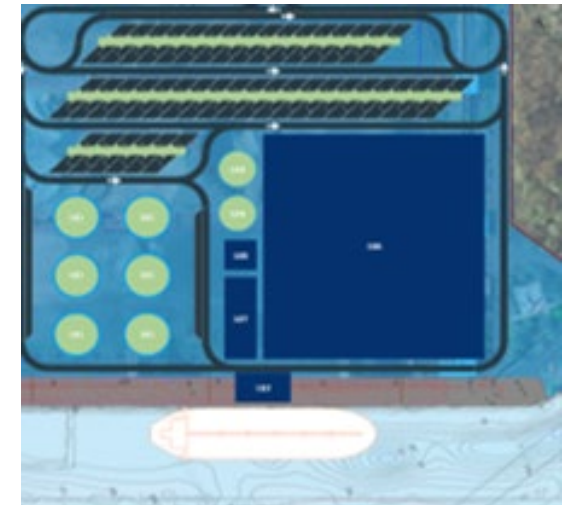
Successful completion of the first ammonia test delivery from the UAE to Germany

The first low-carbon ammonia test shipment from the United Arab Emirates (UAE) to Germany was successfully completed with its arrival at multi-metal manufacturer Aurubis. As a leading European logistics group with strong ambitions to drive forward decarbonisation, Hamburger Hafen und Logistik AG (HHLA) handled the test cargo at the climate-neutral Container Terminal Altenwerder in Hamburg.



First demonstration projects for
supply

Full Scale Import terminal



Consideration of possible
import structures



Thank You

Clustermanagement - Clean Port & Logistics

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