



Net-zero
by 2040

Luisa Kempf



Senior Manager
Sustainability & Energy Transition
Eurogate Technical Services GmbH

Luisa.Kempf@eurogate.eu

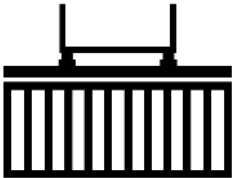


Vice Chair Operations Council TIC4.0

vicechairoc@tic40.org



Container Terminals in 8 Locations



Handling capacity:
> 13.5 mio TEUs

Utilizing the following equipment & infrastructure in Northern Germany



> 60



> 400



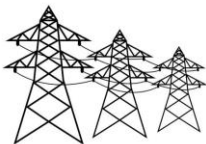
> 360



787 ha



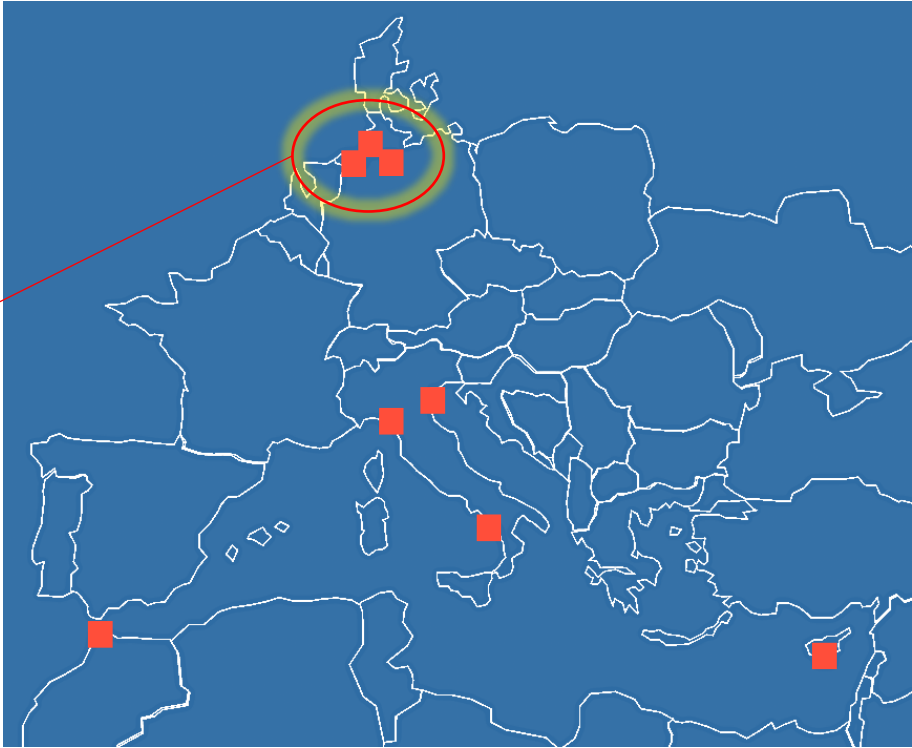
76.000.000 kWh



11,7 km



74 Buildings
+ 59 additional civil structures



Net-zero¹ by 2040 – Greenhouse Gas Emissions

Important Initiatives

We will focus on following **key initiatives in 2024 and 2025**:

- › **Energy Management System (ISO50001)**: Implementing a robust system to optimize energy consumption in our processes, our equipment and across our facilities.
- › **Evaluation of wind turbines**: Exploring investments in wind turbines to harness renewable energy for our operations.
- › **Prototype Testing for Green Straddle Carrier**: Testing technologies to find sustainable alternatives to diesel for our straddle carrier fleet. Considered alternatives are dual fuel biogas & diesel and HVO
- › **Automation of Terminals**: Developing a roadmap on Automation.

We are participating in the following initiatives to foster innovation:



International cluster for decarbonizing heavy duty logistics



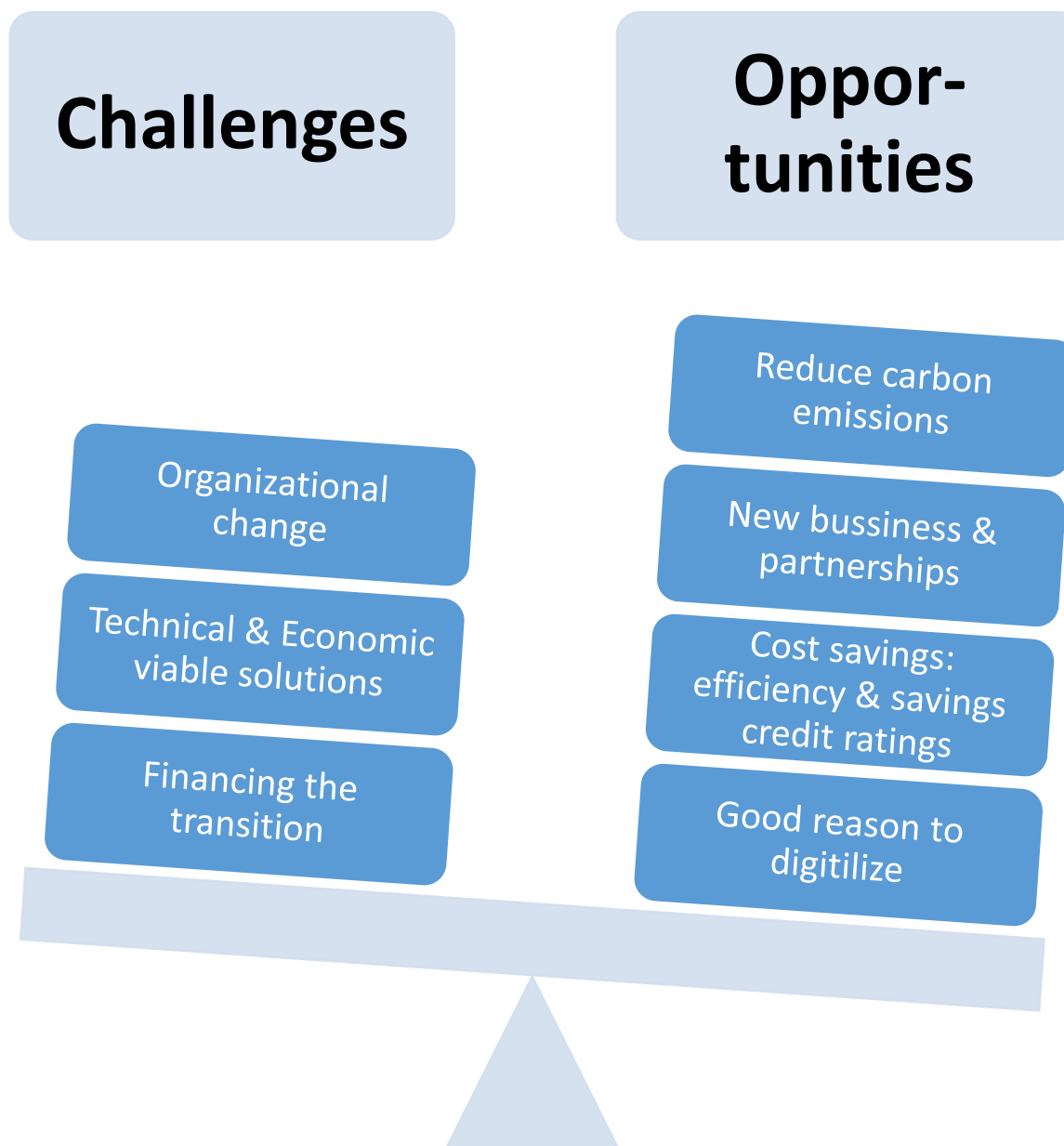
Define, promote and adopt standards that will enable the cargo handling industry to embrace the 4th industrial revolution

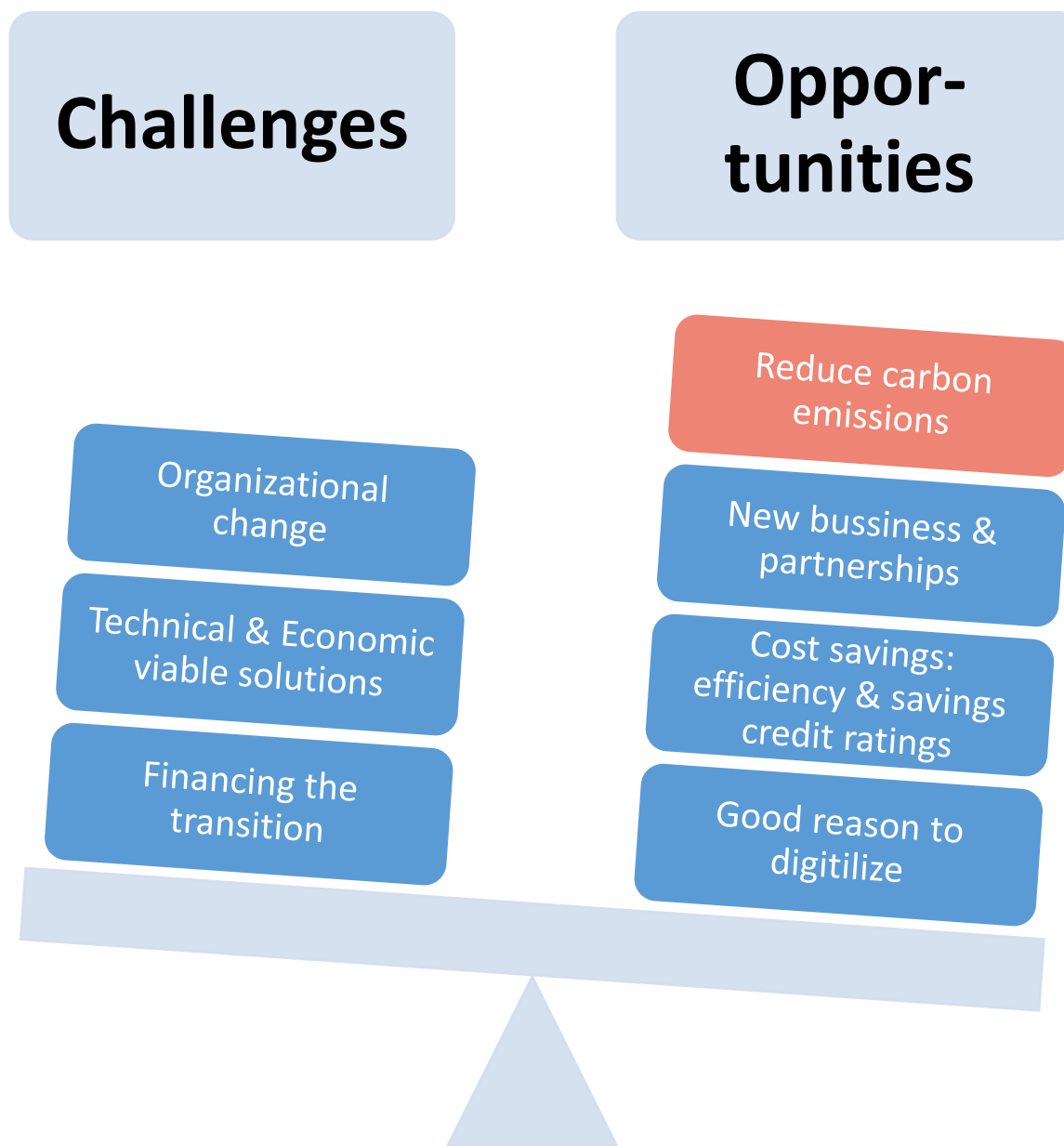
¹ Scope 1 and 2 emissions of greenhouse gases acc. to German Klimaschutzgesetz KSG §2 (1)



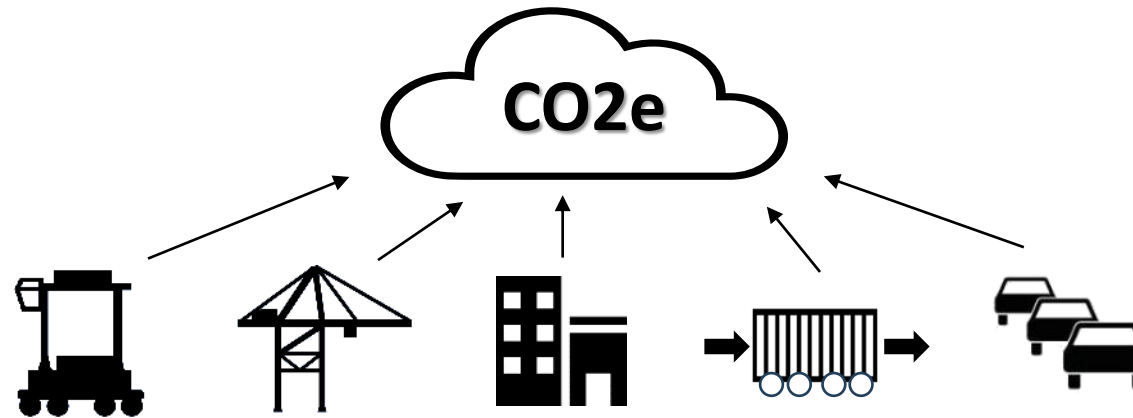
Energy transition
Challenges &
Opportunities







Report & Reduce Carbon Emissions

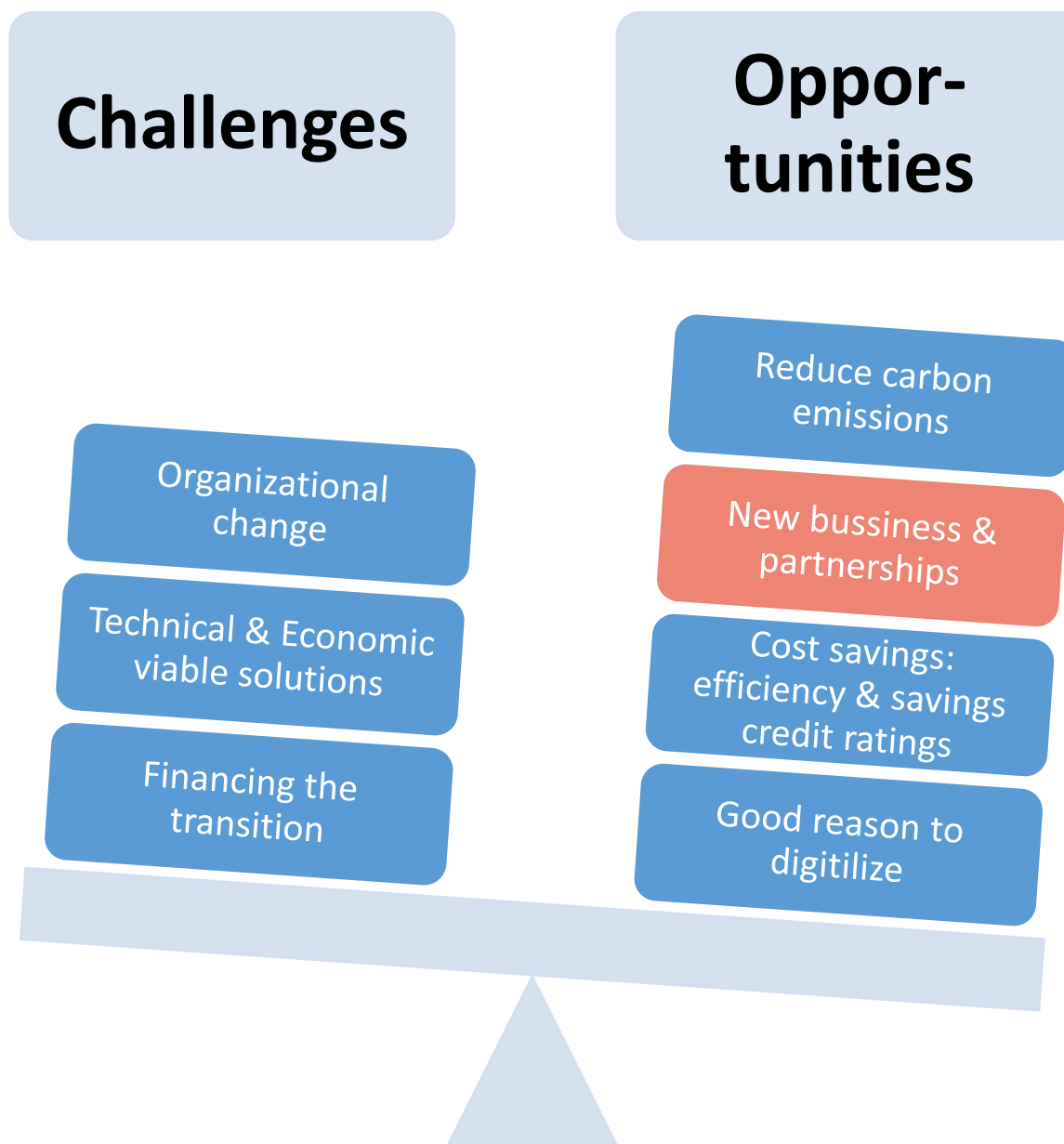


GHG Protocol is the standard

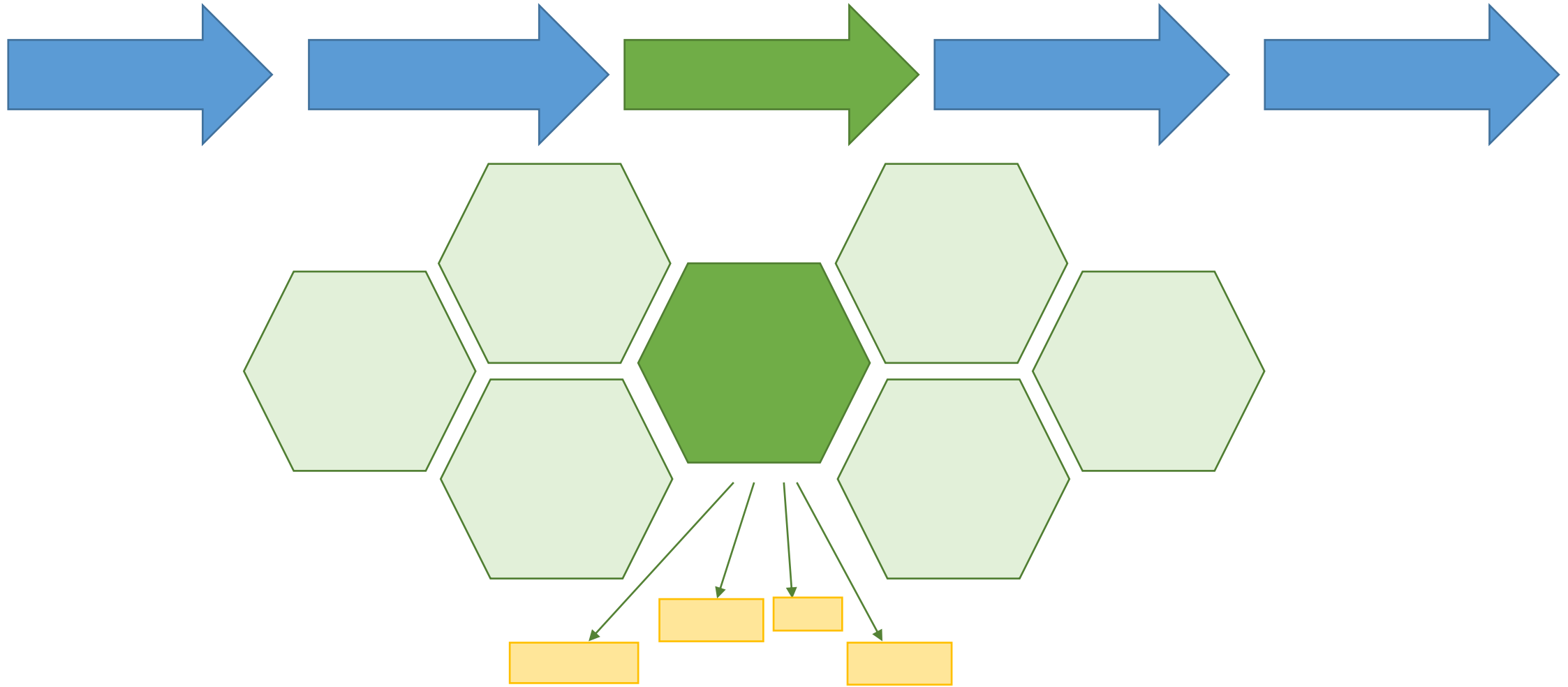
Reporting is a challenge

Opportunities: drives digitization & reduces cost

Transparency is required to focus reduction activities

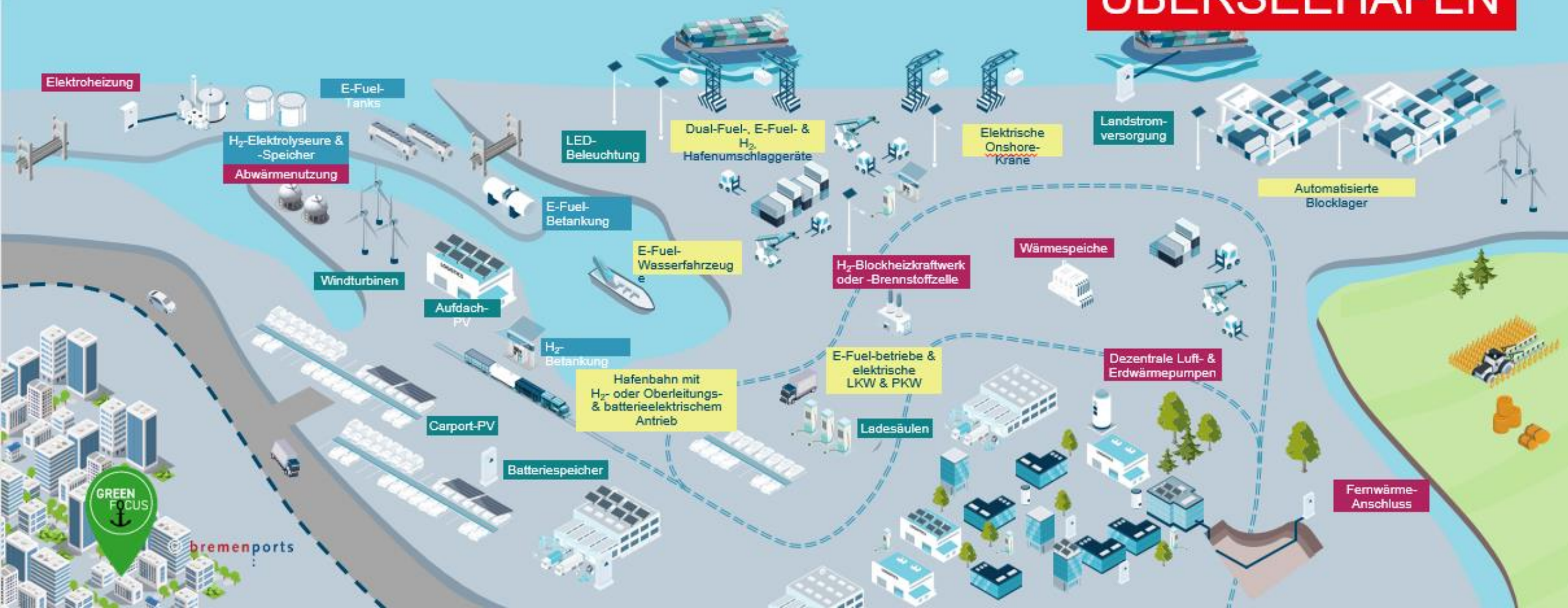


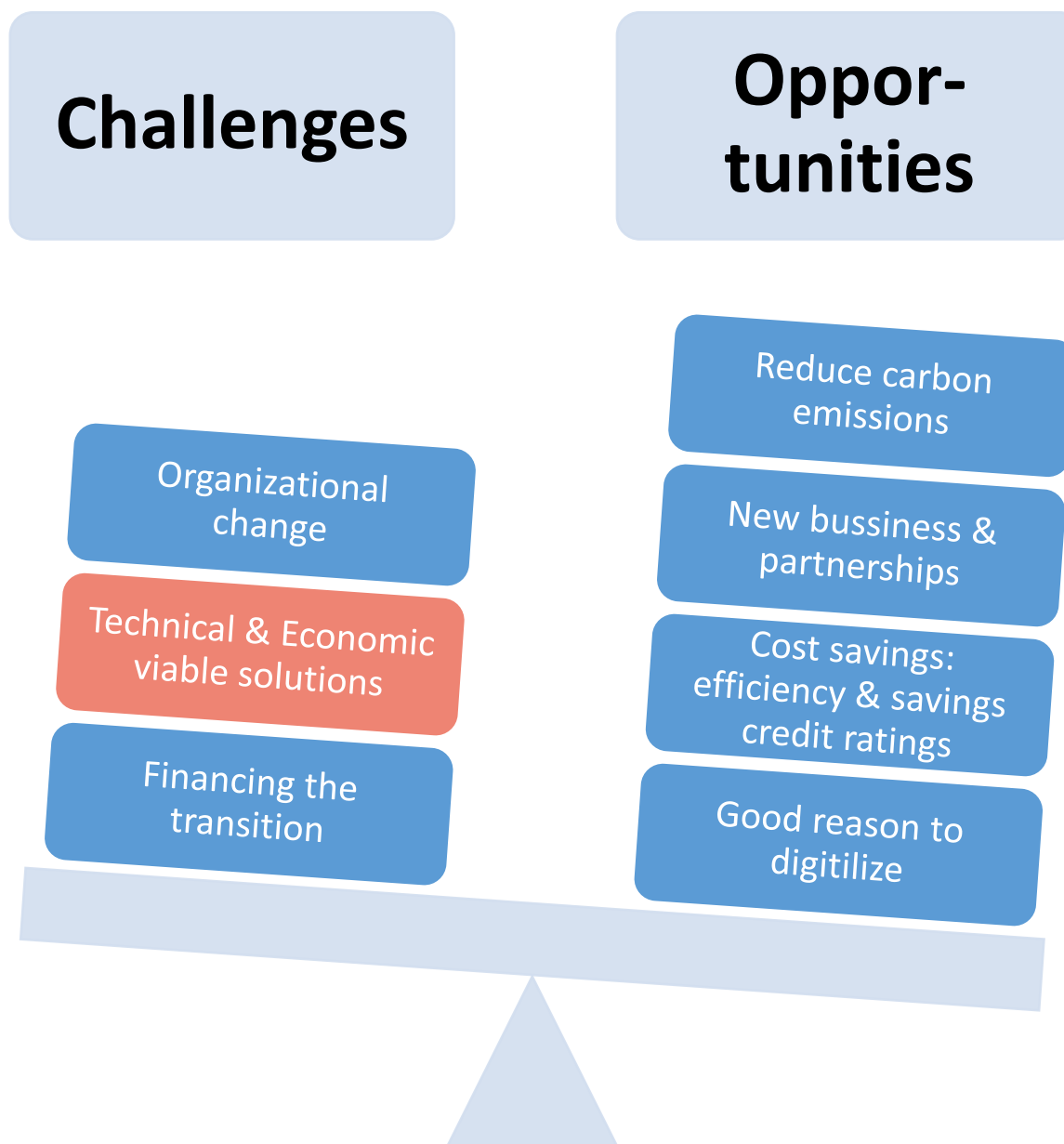
Big challenges require a new perspectiveness & openness for new business, new solutions and partnerships



DER CO₂-NEUTRALE ÜBERSEEHAFEN 2035 AUF BASIS DES DIGITALEN ZWILLING: EMISSIONSFREIER HAFENBETRIEB DURCH ELEKTRIFIZIERUNG UND GROSSFLÄCHIGEN AUSBAU ERNEUERBARER ENERGIEERZEUGUNG

CO₂NEUTRALER ÜBERSEEHAFEN

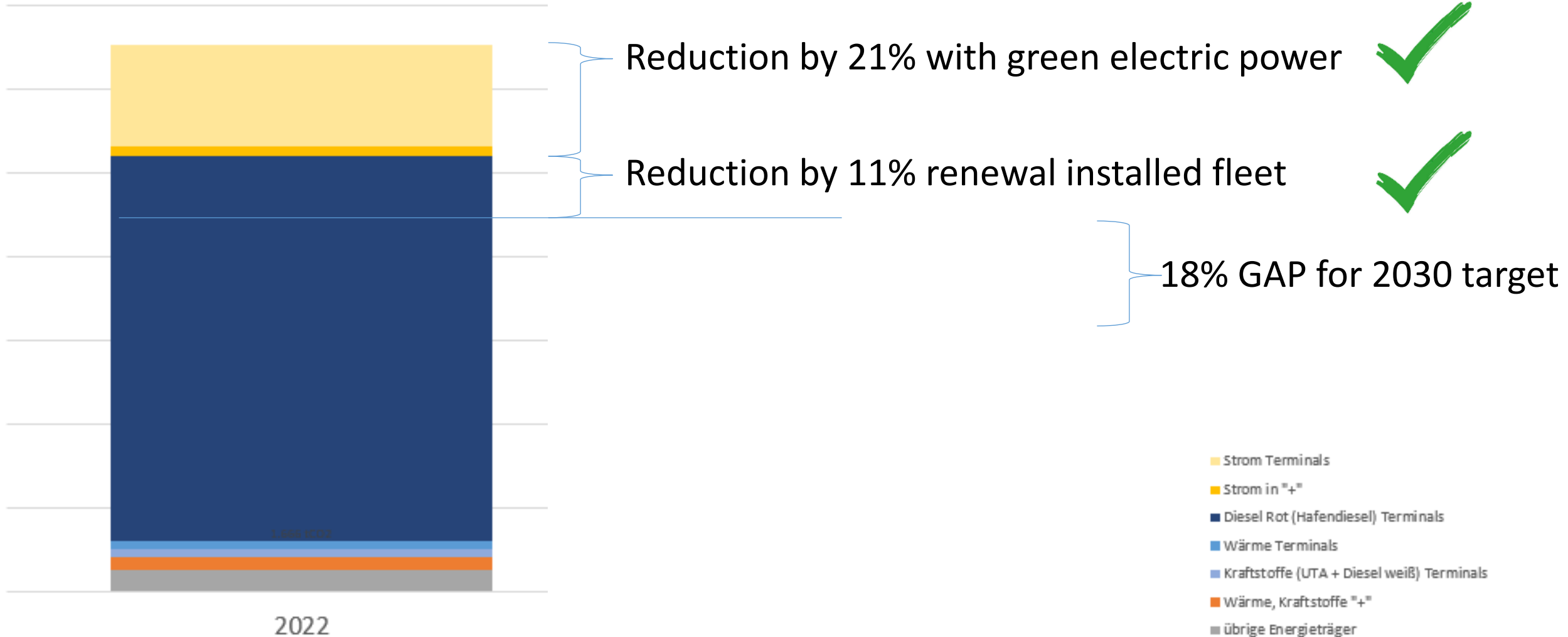




Prognosis CO2 Emissions 2022 vs. 2030

Measures: green electric power & renewing SC fleet with hybrid

EUROGATE German Terminals + Services





What can you do? Terminal operator



- Take this topic seriously – it is a topic for the big boss – the long term future!
- Implement a functioning structure within your organization and assign resources
- Include the reporting of the measures in your day2day and strategic initiative reporting
- Adapt your operational processes:
battery-electric operation is different to fossil fuel operation
- Act now: a reachstacker you buy today influences your CO2 footprint the next 8 – 15 years
- Reducing energy for a „sustainable future“ is a powerful motivation for people



What can you do? OEM or solution provider



- Take this topic seriously – it is a topic for the big boss
- Assign resources
- Develop solutions (new investment + installed fleet)
- Include the longer term benefits in your sales strategy and convince your customers
- Calculate your product carbon footprint „cradle to gate“ acc. to GHG Protocol
 - STS Cranes
 - Straddle Carrier
 - Reachstacker, Forklifts, Empty Handler
 - Spare parts
 - Services & Solutions



What can you do? Employee



- Take this topic seriously – it is a topic for everyone
- Show and tell your „big boss“ that the topic is important for you
- Take your share to reduce energy consumption and the CO2 footprint in your professional and private life.





Net-zero
by 2040

Let's go into a greener
and brighter future.

