

# CO2 handling as a service

**Enabling the physical CO2 market with modular infrastructure**

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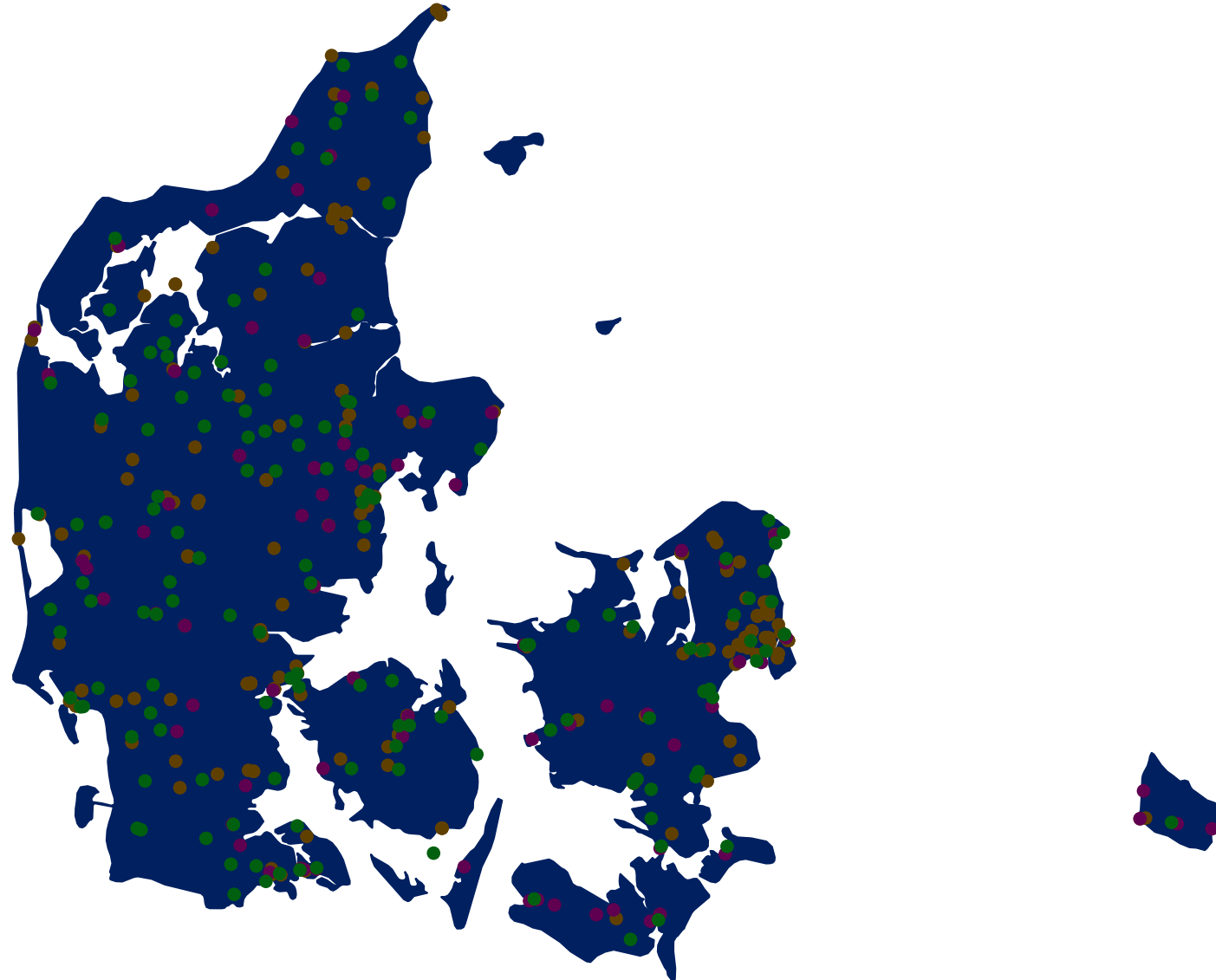
**Website**

[www.carbonconnect.dk](http://www.carbonconnect.dk)

**May 2025**

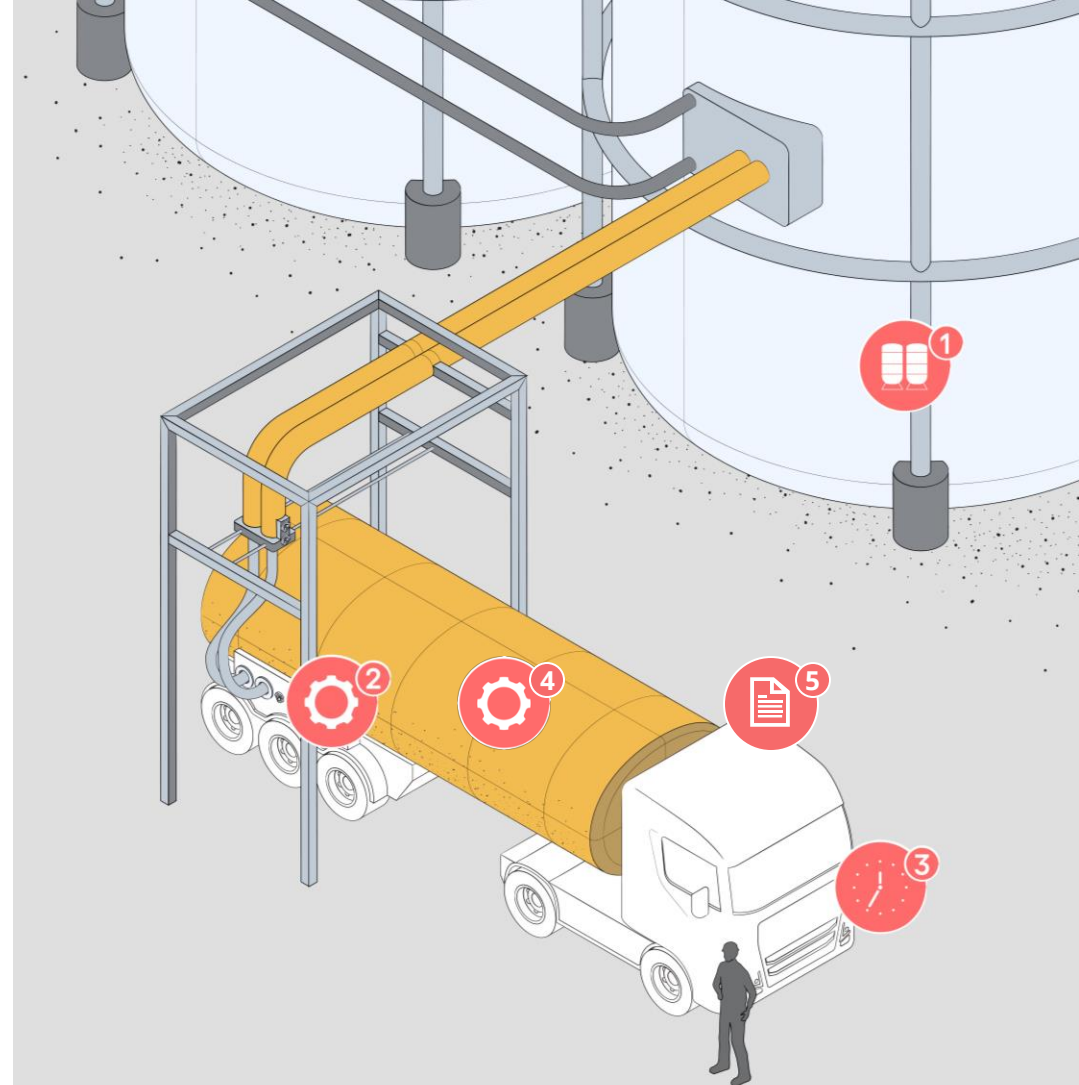
# Solutions for all Emitters

Large emitters will rely on large scale infrastructure, small and midsize will need alternatives



# THE PROBLEM

- 01 Inefficient and redundant stationary storage
- 02 Significant manual handling
- 03 Time consuming and suboptimal resource utilization
- 04 Inflexible and single-modal
- 05 Limited focus on documentation and carbon footprint



## CO2 handling demand expansion towards 2040

Now\*

3.5Mt/yr.

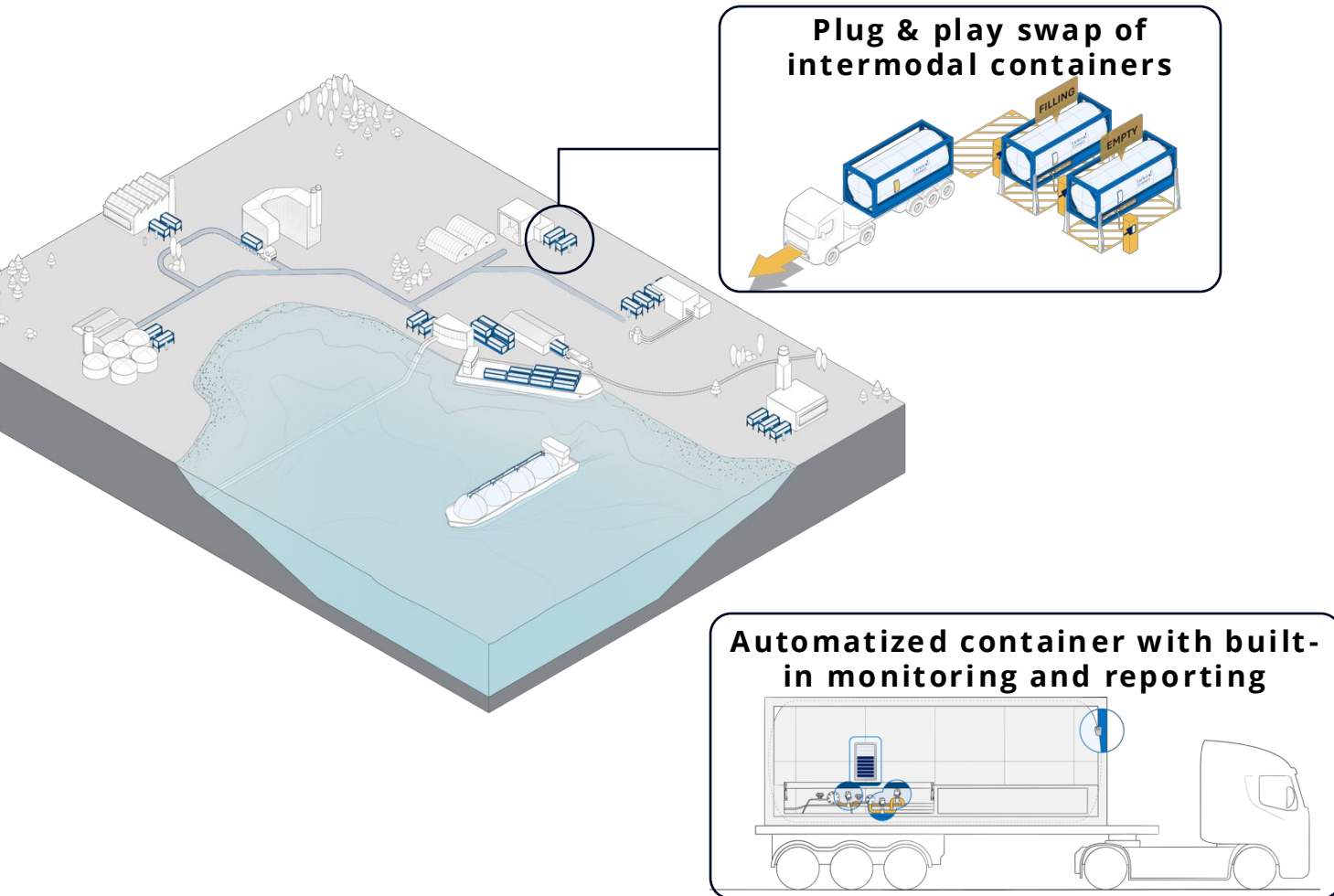
2030\*\*

50Mt/yr.

2040\*\*

280Mt/yr.

# OUR SOLUTION



**01**

**Cost effective**

**02**

**Flexible and movable storage**

**03**

**No need for trained personnel**

**04**

**Efficient use for time and resources**

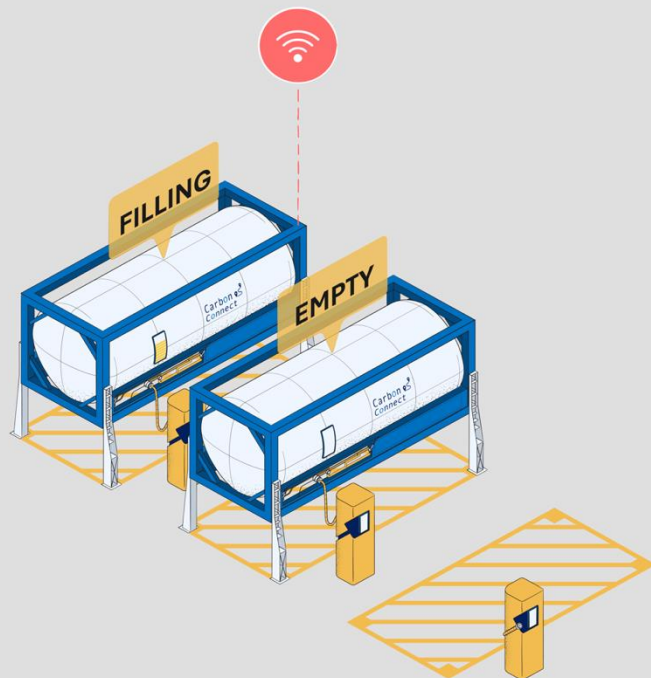
**05**

**Multi-modal transport**

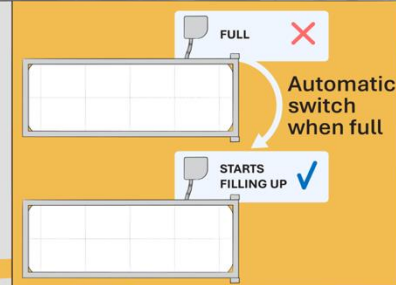
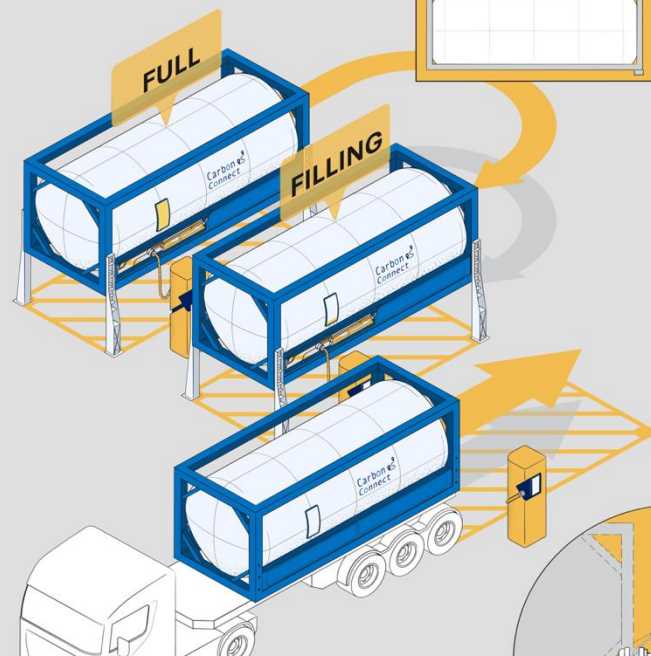
**06**

**Effortless documentation**

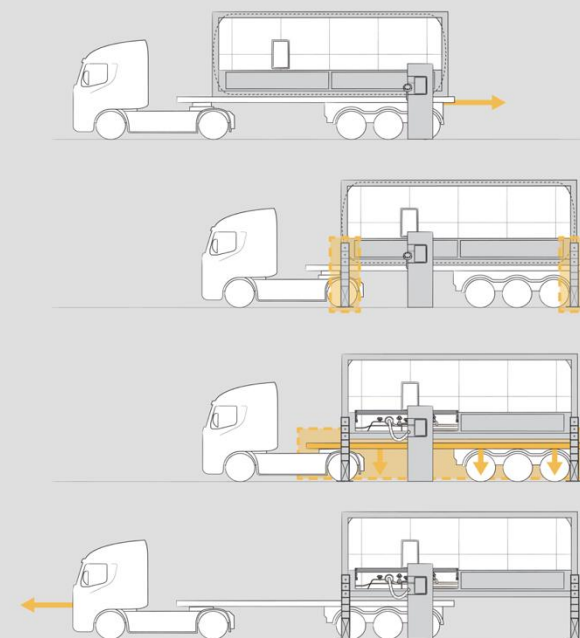
# 1 - Close to full alert



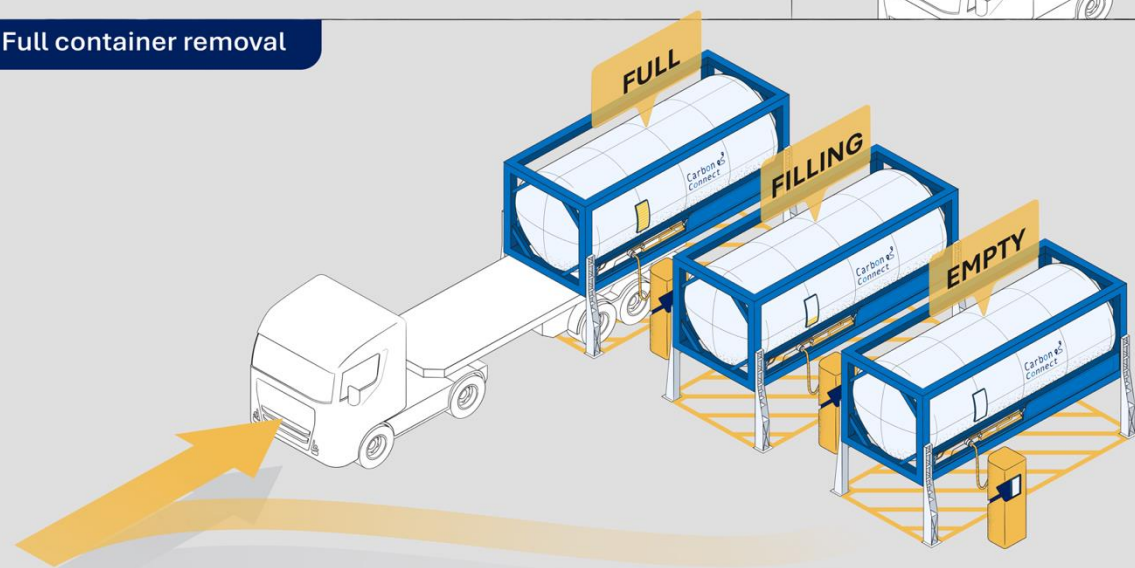
# 2 - Empty container brought in



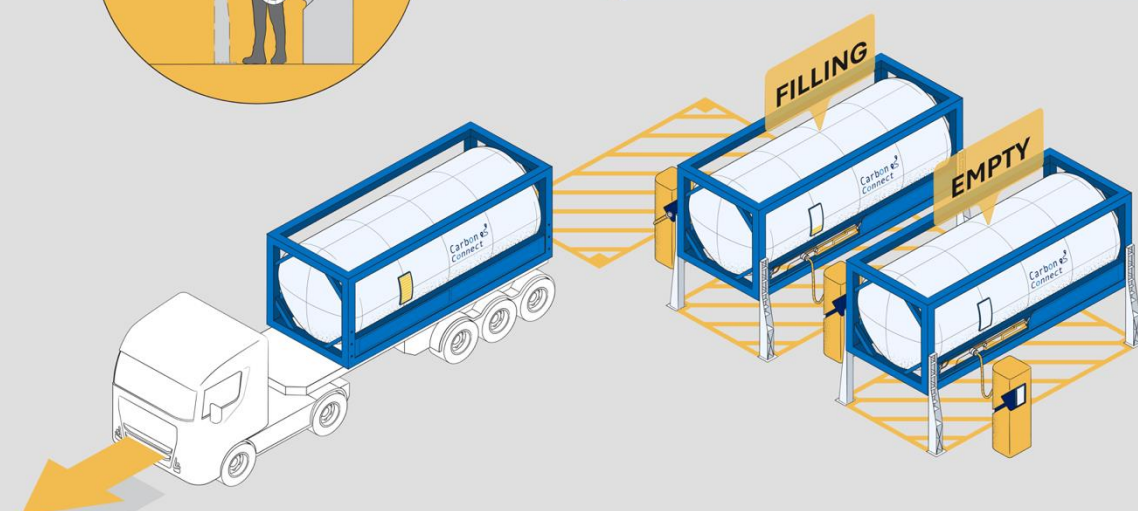
# 3 - Container swap procedure



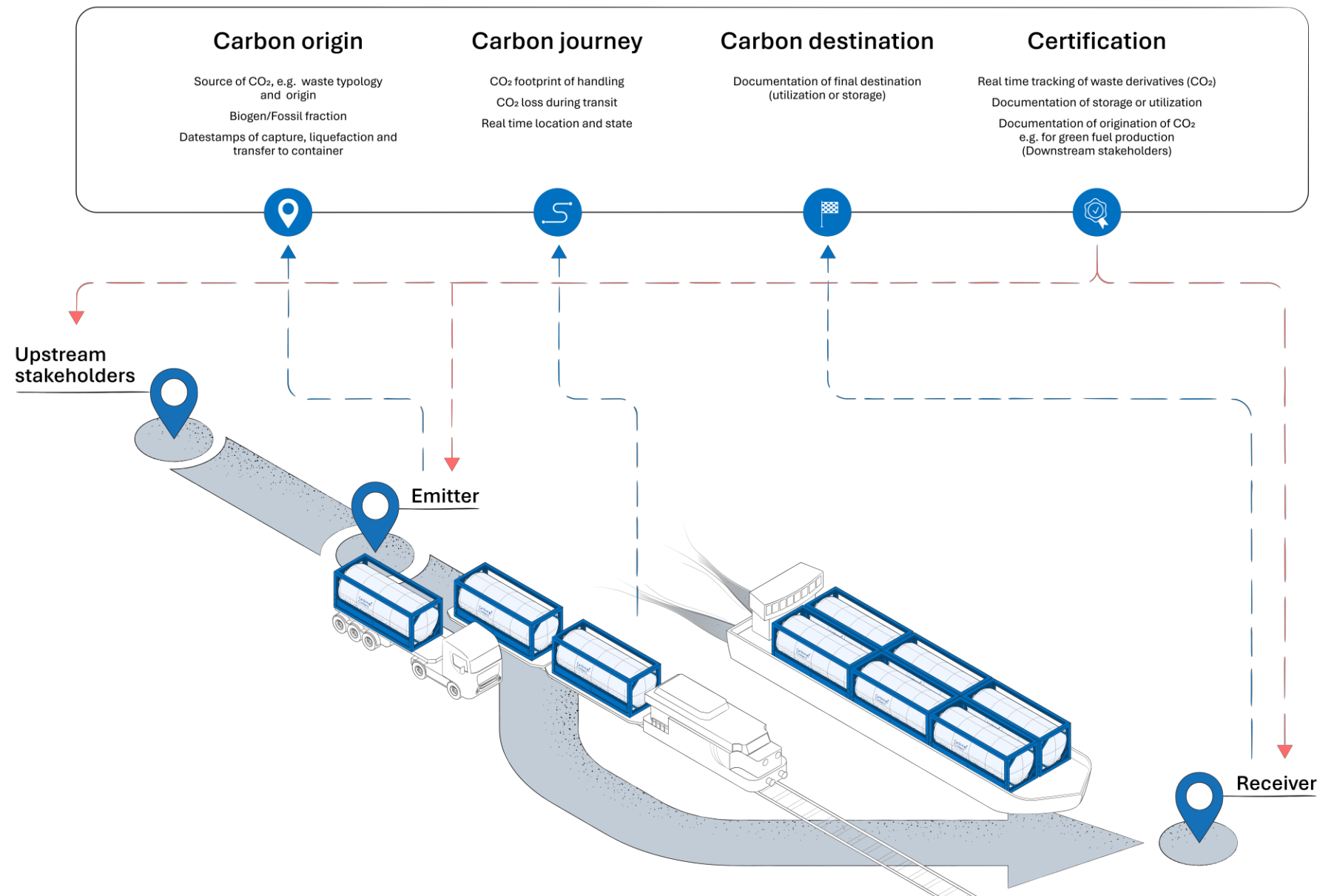
# 4 - Full container removal



# 5 - System keeps running without interruption





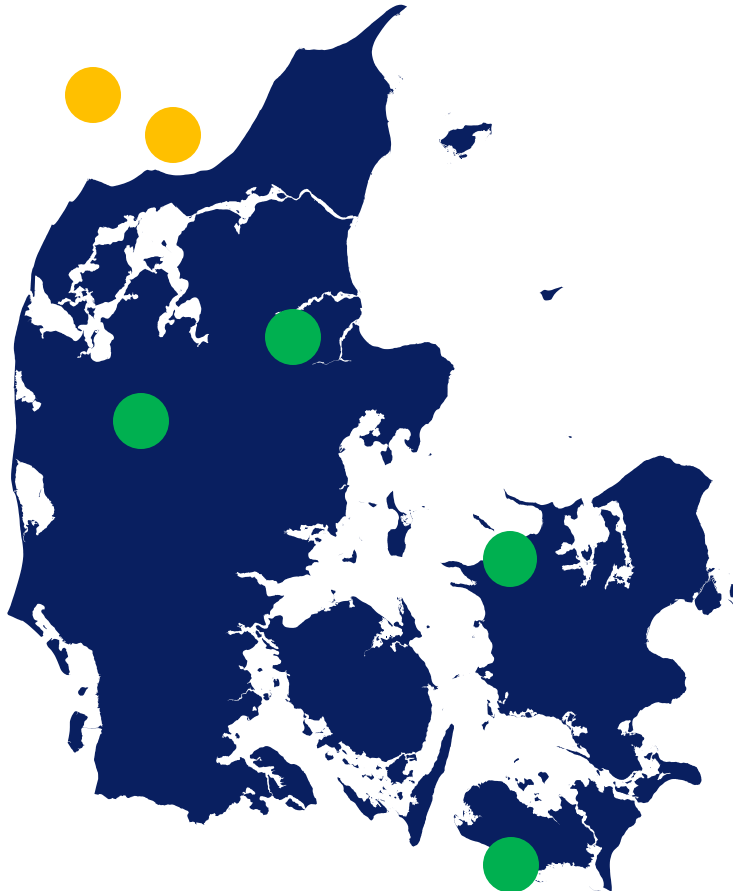
# Full Value Chain Documentation








# CCS Action in Denmark

## Storage concessions

-  Awarded concessions/exploration licenses
-  Ongoing tenders



## CCS subsidy tender

-  **28.6 bDKK (3.8 b€)** for capture and permanent storage of CO<sub>2</sub>
-  **9-month tender period** with prequalification in Marts and offer submission in December
-  **Open for all value chain participants** that can guarantee storage of min. 100 ktpa
-  **16 contenders** for 10 spots in the tender.
-  **Contenders announced on 9<sup>th</sup> of May**

# Challenges & Experiences

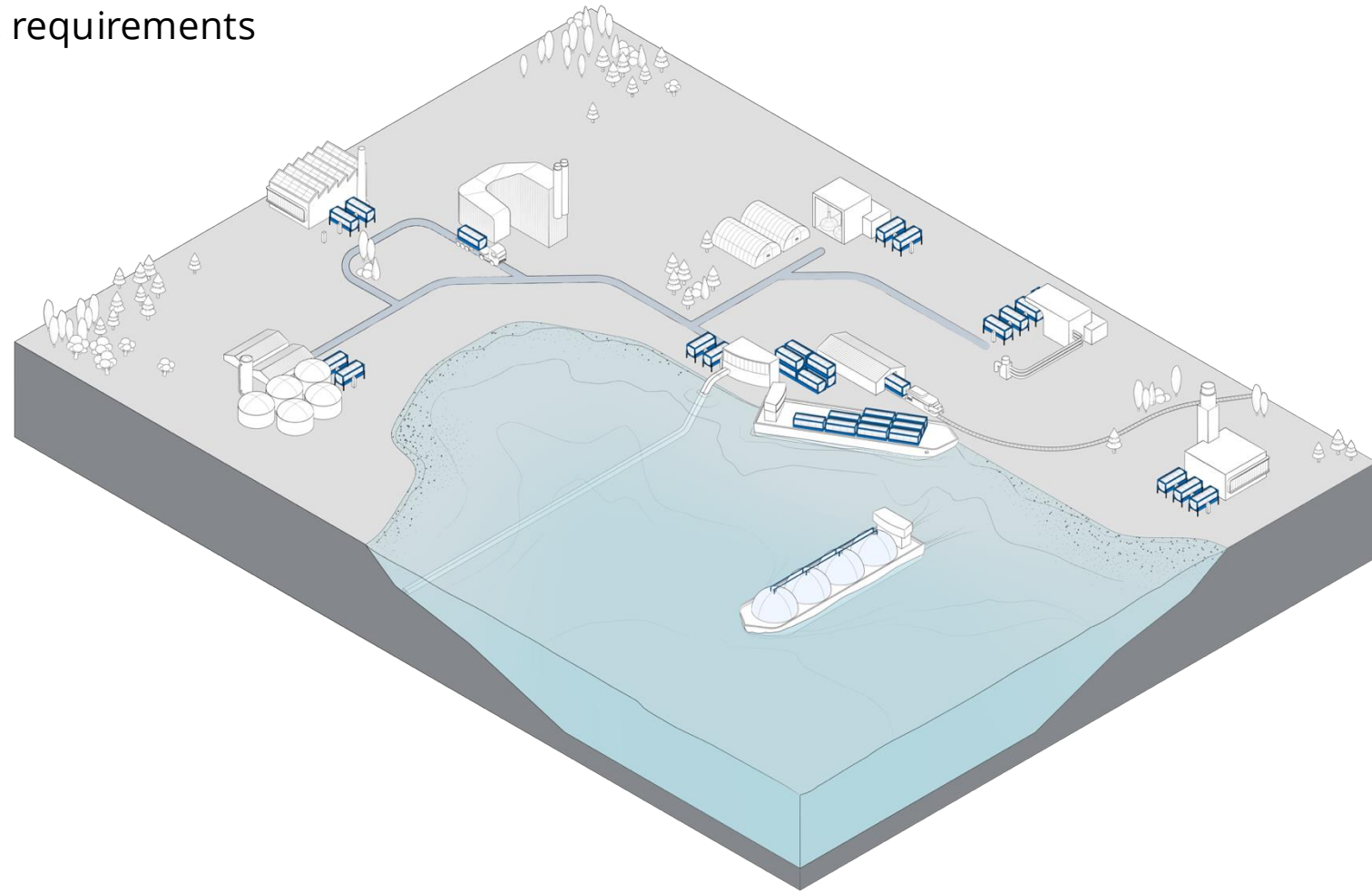
The landscape for CO<sub>2</sub> infrastructure in Denmark is being shaped now

**01 CO<sub>2</sub> quality requirements.** Currently, requirements are being set by first movers.

**02 Residual CO<sub>2</sub> in transport tanks** risks cross contamination of CO<sub>2</sub>.

**03 Driving restrictions** at emitters giving rise excessive storage and congestion.

**04 Terminal interface uncertainties**



# Thank you for the attention

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