

# *Carbon Capture in Sweden*

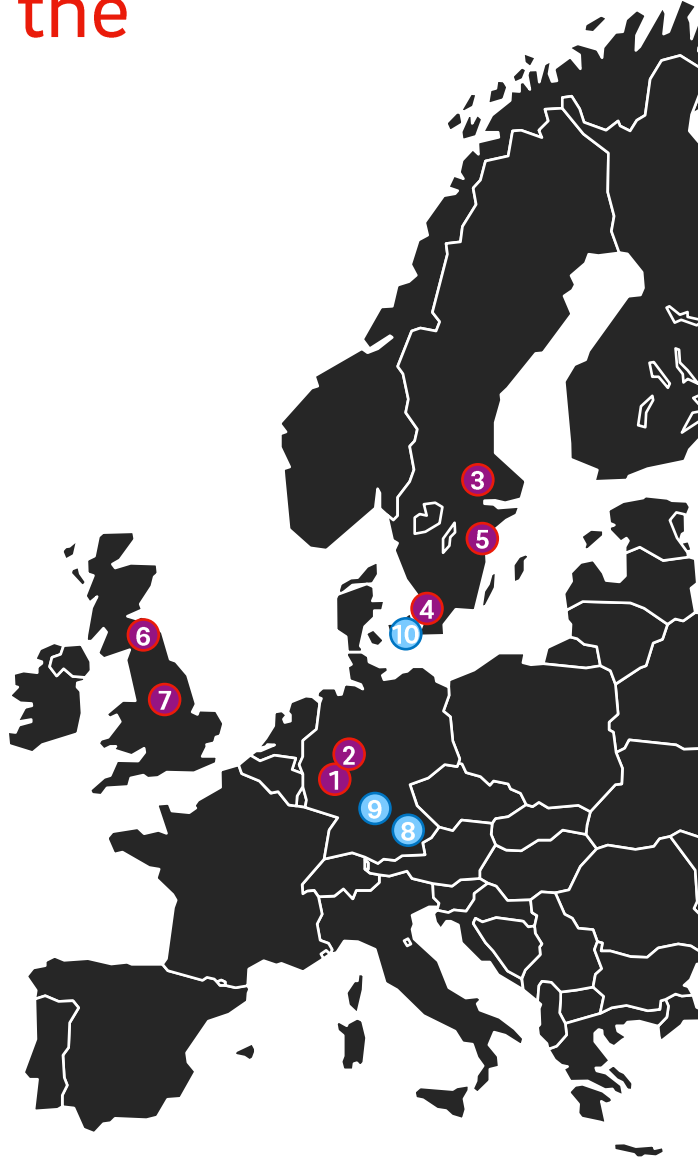
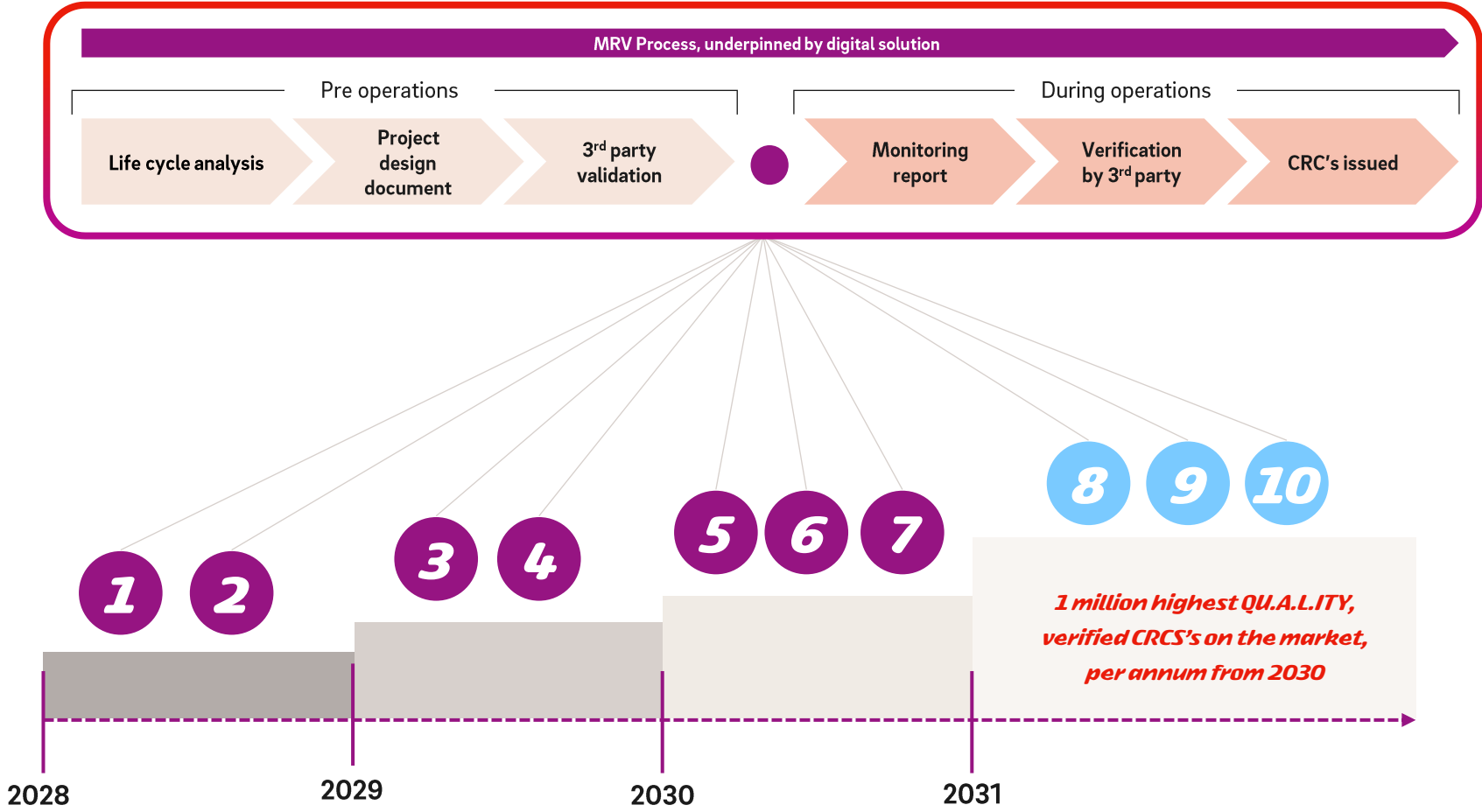
## *– The Need for Storage*

January 2025

**e-on**

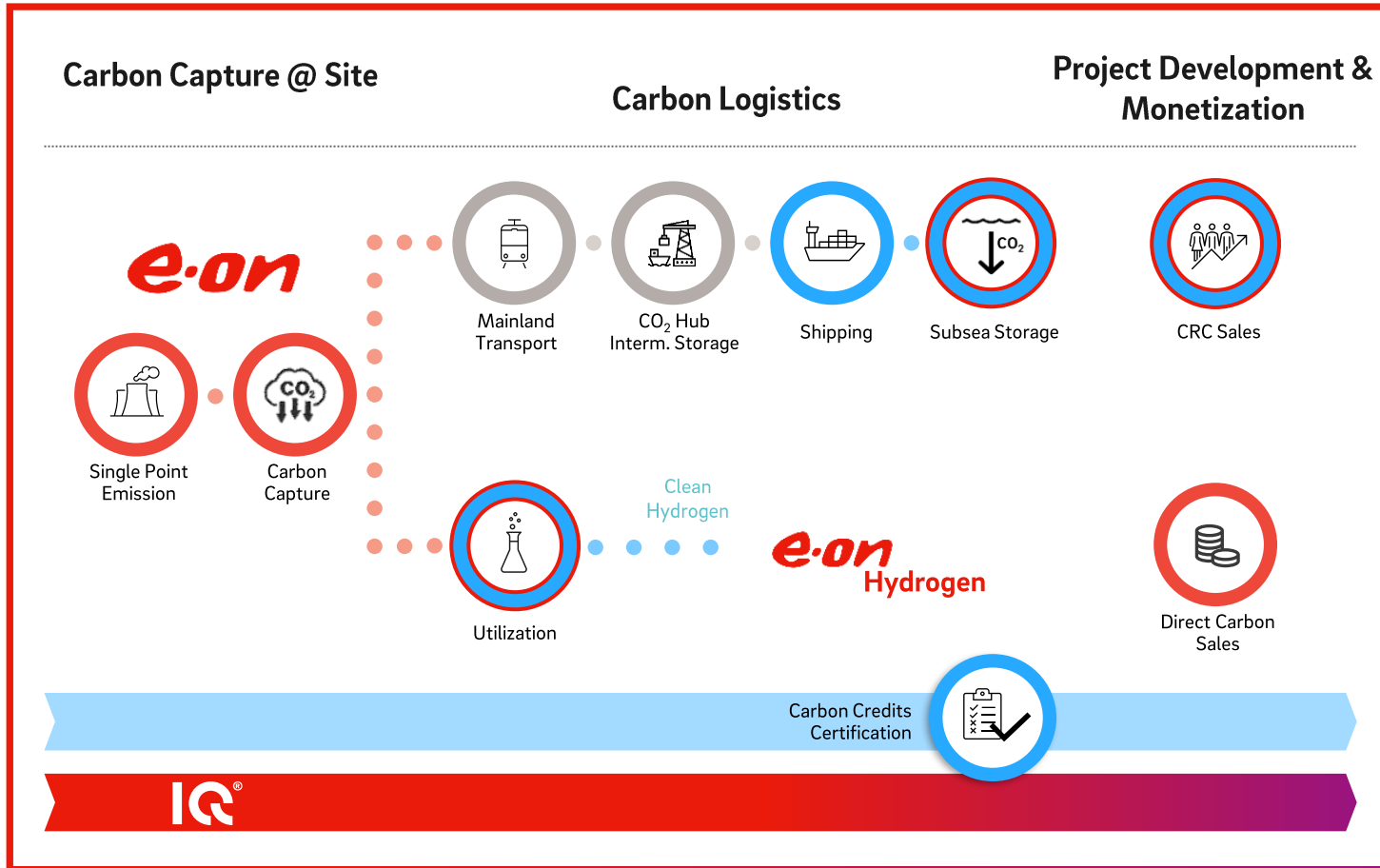


# E.ON's potential for technical carbon removals with the highest level of quality and standard



# E.ON Carbon Management

## Ensuring trust and mitigating risk via total value chain approach



*E.ON Carbon Management – Managing the entire value chain*

### *Key Success Factors*

1. High Quality Credits
2. Portfolio approach
3. Whole value chain approach
4. In house core competencies

# Project Pipeline | Selected opportunities



## BioCarbon Bergkamen

- Decarbonization of existing Biomass-CHP with a carbon capture facility
- Carbon capture facility ~29,8t CO<sub>2</sub>/h (160 kta + 55 kt/a) capacity
- Several infrastructure connections available (rail and channel)

Technology	Carbon Capture (Amine scrubber)
Capture Rate	~ 210.000 t/a
Feedstock	Biomass



## BioCarbon 3

- Decarbonization of existing WtE-CHP with a carbon capture facility
- Carbon capture facility ~ 33t CO<sub>2</sub>/h

Technology	Carbon Capture (Amine scrubber)
Capture Rate	~ 260.000 t/a
Feedstock	Municipal Waste



## BioCarbon 4

- Potential to generate up to 270kt CRC/a (60t/h)
- Strategically advantageous location for T&S and CCaaS operations.
- Excellent potential for optimization and the integration of advanced technologies such as oxyfuel and MOF.

Technology	Carbon Capture (Amine scrubber)
Capture Rate	~ 270.000 t/a
Feedstock	Biomass



## BioCarbon 5

- Decarbonization of existing WtE-CHP with a carbon capture facility
- Carbon capture facility with about 60t CO<sub>2</sub>/h capacity

Technology	Carbon Capture (Amine scrubber)
Capture Rate	~410.000 t/a
Feedstock	Municipal Waste



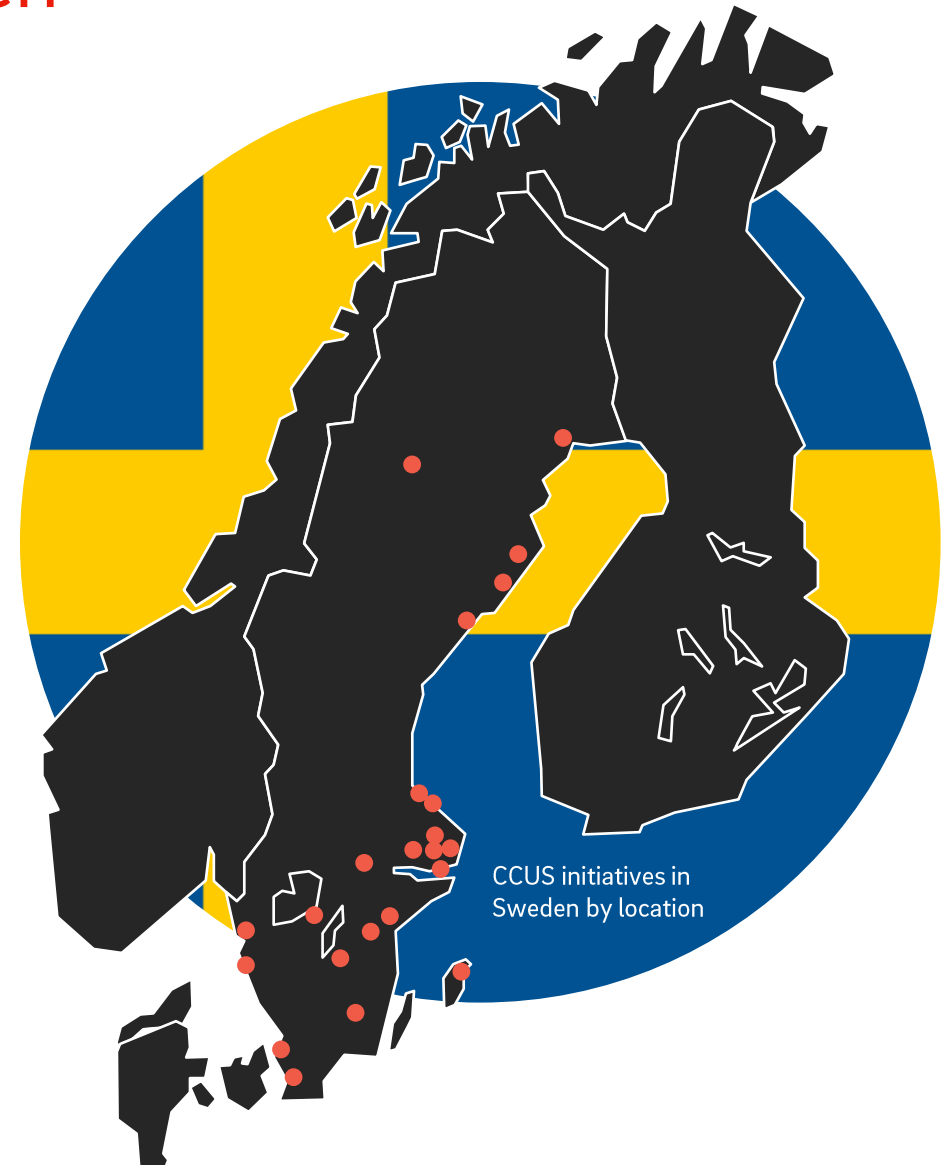
## Carbon X

- Decarbonization of Danish Waste-To-Energy power plant with a carbon capture facility
- Carbon capture facility ~ 47t CO<sub>2</sub>/h capacity
- Participation in Danish CCS subsidy tender 2025 envisaged

Technology	Carbon Capture (Amine scrubber)
Capture Rate	~380.000 t/a
Feedstock	Municipal Waste

# 20+ emitter CCUS initiatives in Sweden\*

- Potential for biogenic CO<sub>2</sub> up to 35\*\* Mton/a.
- Maturity ranges between "close to FID" to "pre-feasibility"



\*Dagens industri

\*\*Energimyndigheten, Naturvårdsverket och Energiforsk

What does it take to realize BECCS projects?

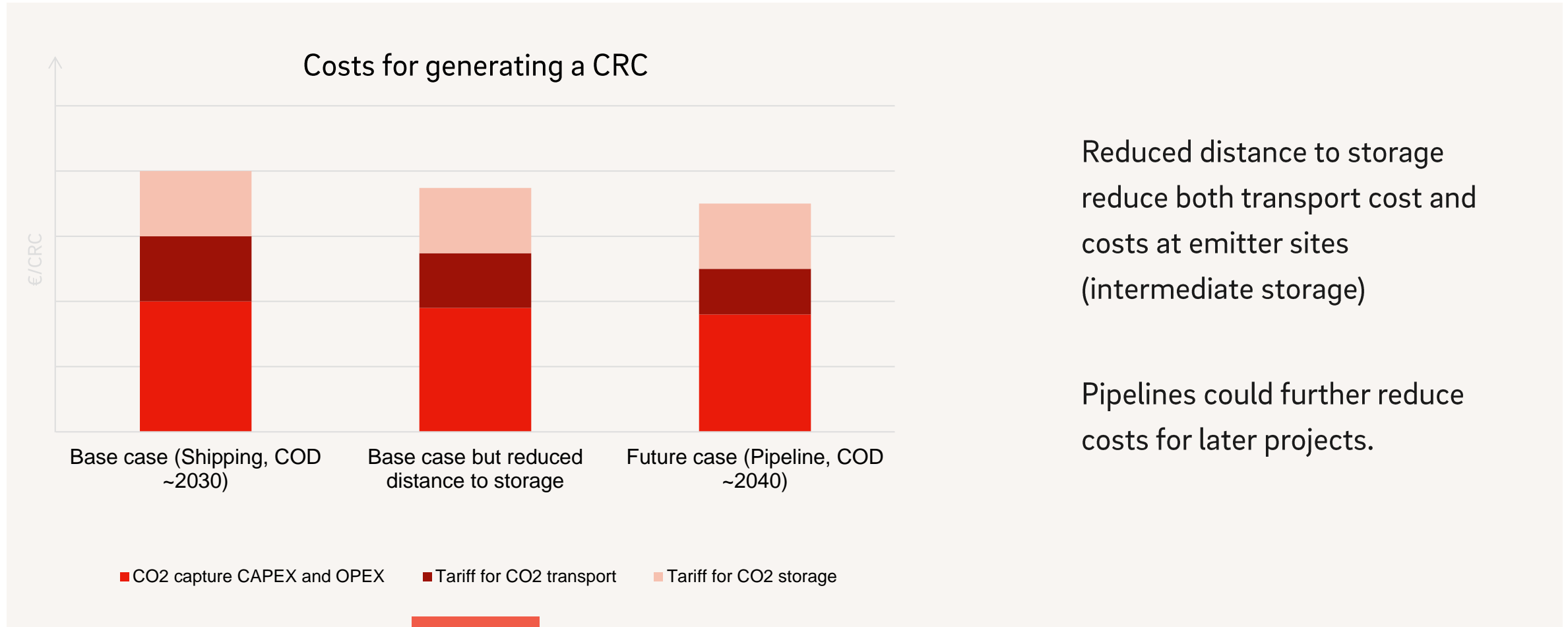
***CRC cost < CRC sales price***

# What does it take to realize BECCS projects?

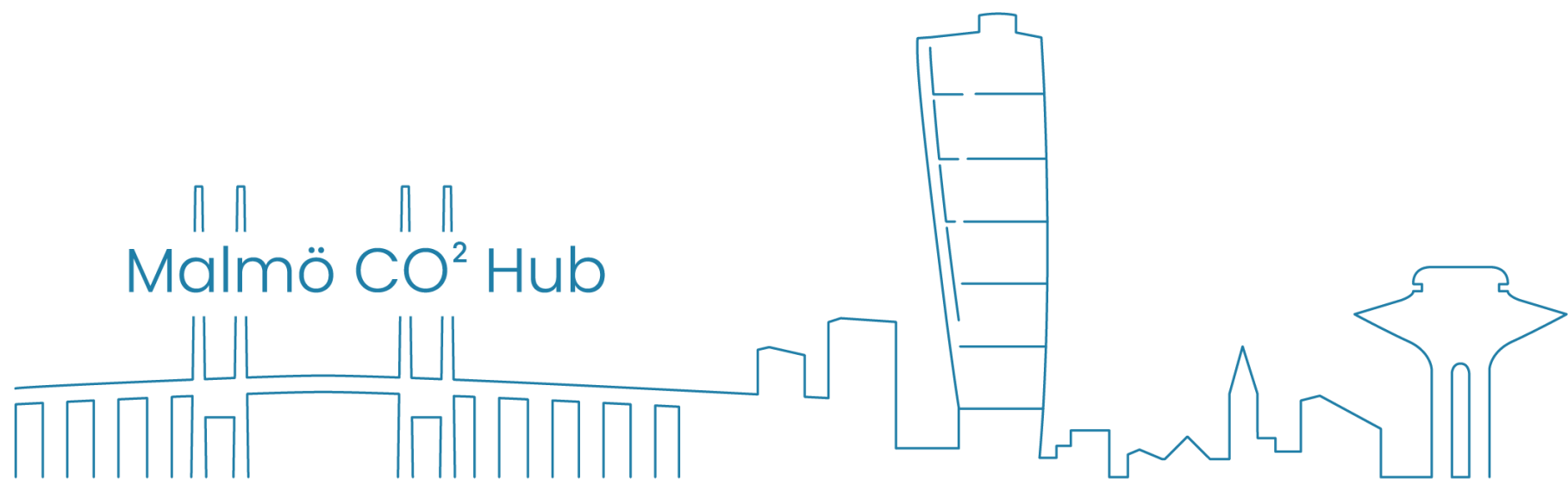


Illustrative

# How does distance to storage and mode of transport affect costs?



# Malmö CO<sup>2</sup> Hub



# The need for „local“ storage

Where should the 35+ Mton of CO2 go?

Huge potential in Sweden...

...can become the huge potential for Denmark



***Let's talk.***

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***e.on***

