# BROCĒNI CARBON CAPTURE PROJECT AND PROGRESS

Krists Mertens
10/10/25

# SCHWENK GROUP

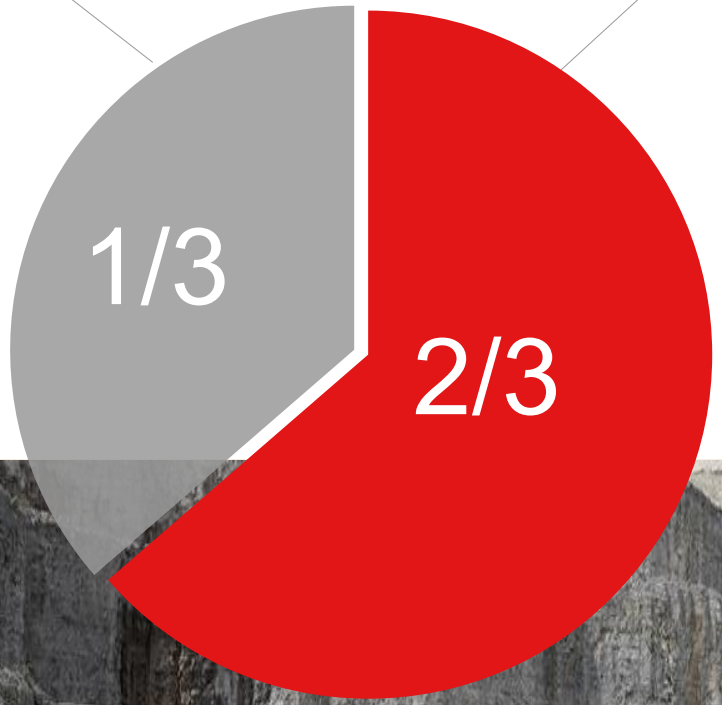
## CEMENT SITES AND TERMINALS

# EMISSIONS IN CEMENT PRODUCTION

## WHERE DOES 850KT OF $CO_2$ ORIGINATE IN OUR PRODUCTION PROCESS?

### FUEL DETERMINED EMISSIONS

Emerge through use of fossil and alternative fuels in rotary kiln.



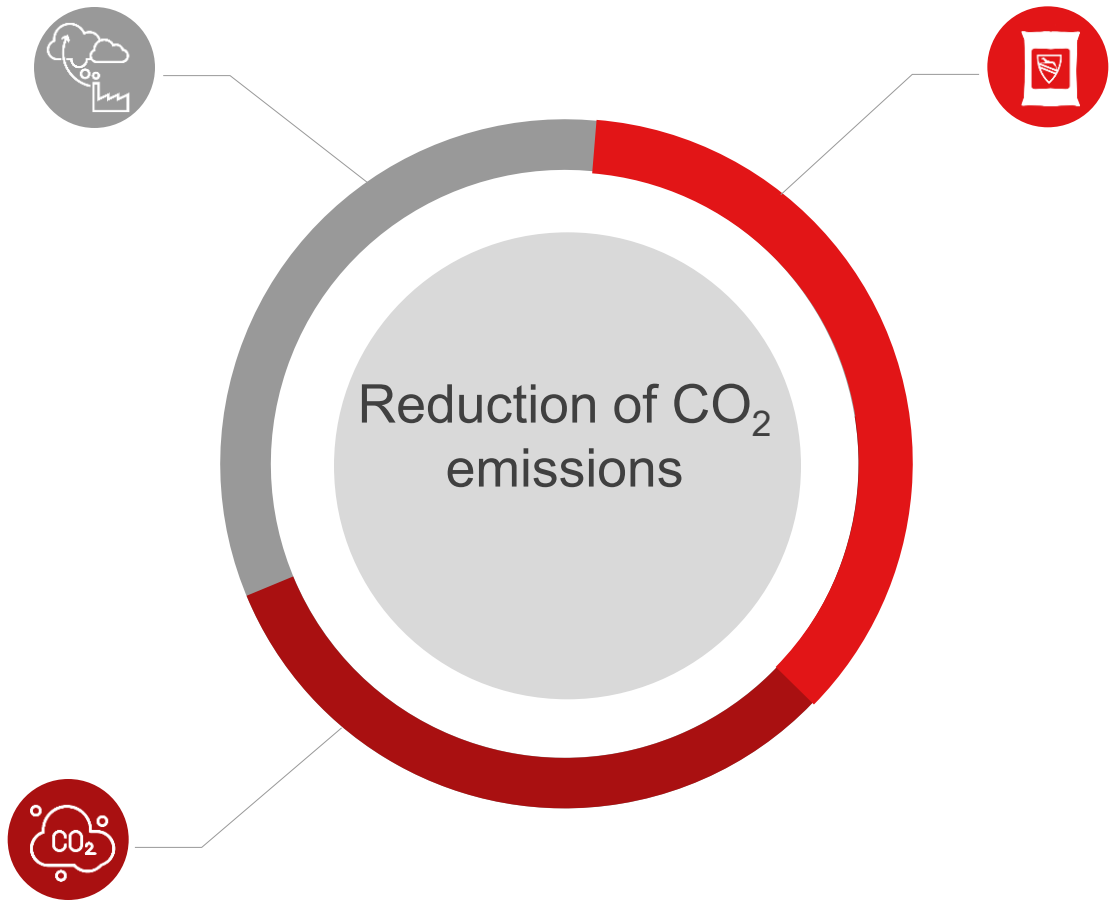

### RAW MATERIAL DETERMINED EMISSIONS

Bound in limestone and are released in burning processes

# SCHWENK'S DECARBONIZATION STRATEGY

**GOAL 1**
Reduce the average $CO_2$ emission factor of the clinker production.

**GOAL 3**
By 2030 – the first $CO_2$ capturing plant in the group (Broceni CC).




**GOAL 2**
Reduce the average clinker factor (% clinker in cement) until 2026 by 10%;
Until 2030 reduce by another 15%.

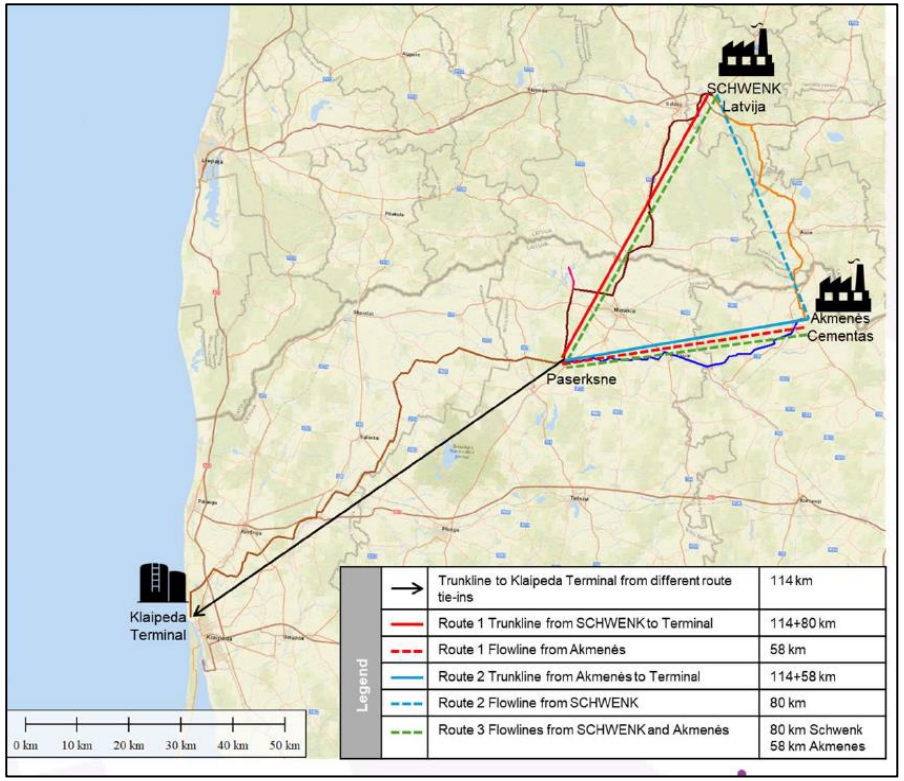
# PROJECT TIMELINE

## BROCENI DECARBONIZATION LONG-TERM INDICATIVE TIMELINE


**2023-Q1 2024**: PCI status for CCS Baltic Consortium project: partnership with KN Energies, Akmenes Cementas, Larvik Shipping/M.O.L

# PROJECT TIMELINE

## CCS BALTIC CONSORTIUM




CCS BALTIC

1 Carbon Capturing

SCHWENK

AKMENĖS CEMENTAS

2 Onshore Transport

conexus

Amber Grid

KN ENERGIES

3 Multimodal $LCO_2$ Terminal in Klaipėda port

KN ENERGIES

4 Offshore Transport

MOL

Mitsui O.S.K. Lines

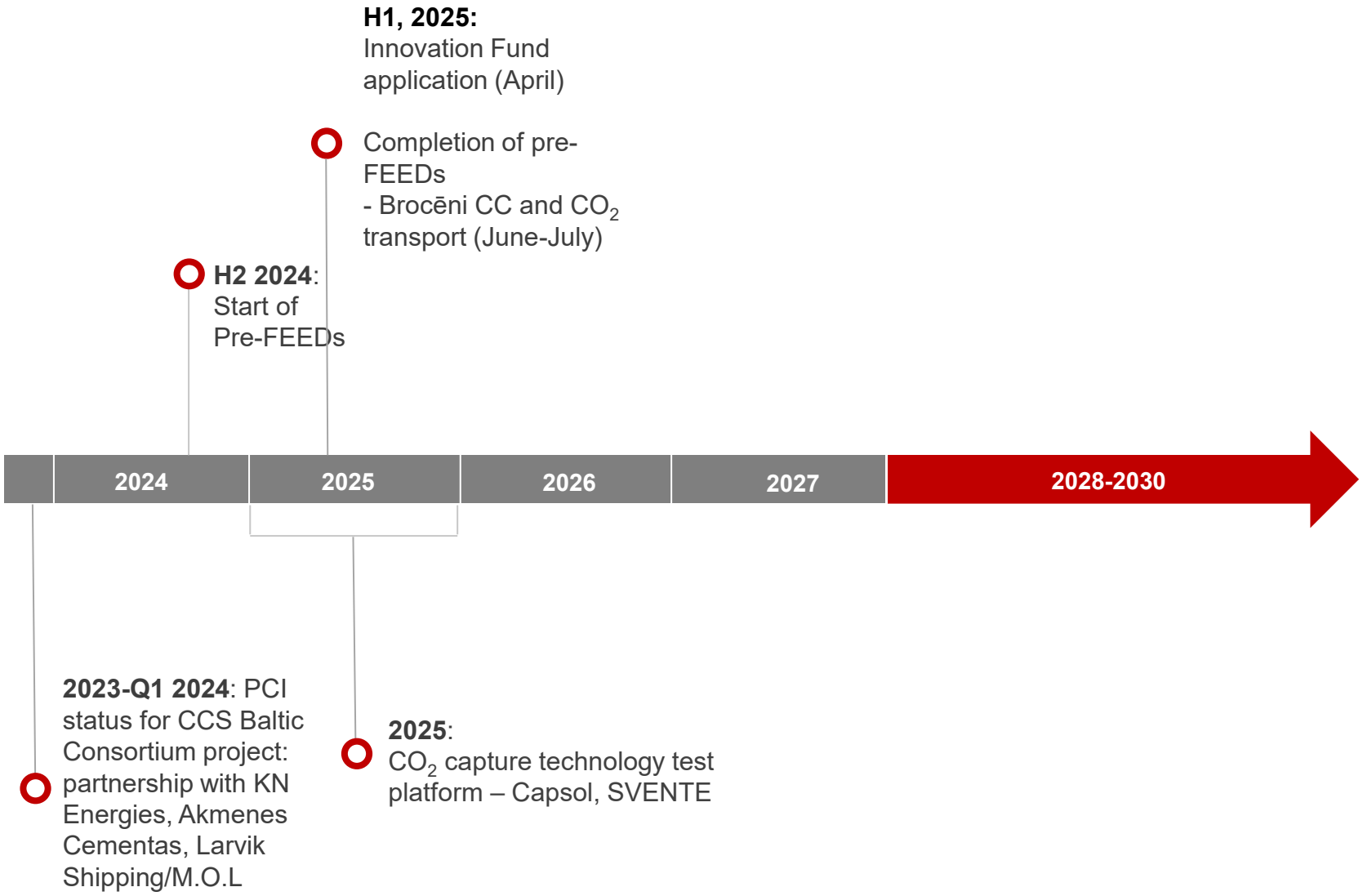
Larvik Shipping

5 Storage

Storage of $CO_2$ is projected in the North Sea.

# PROJECT TIMELINE

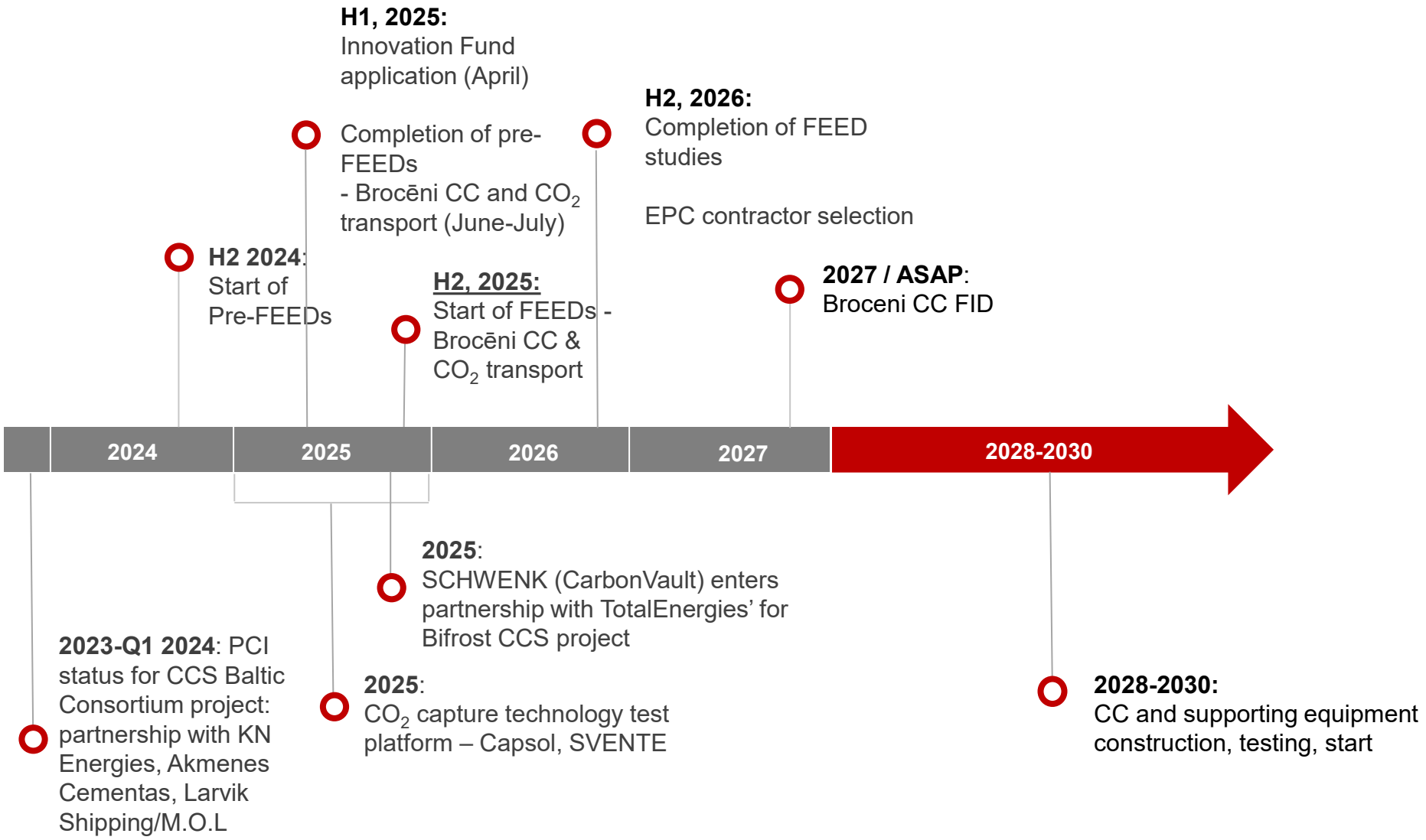
## BROCENI DECARBONIZATION LONG-TERM INDICATIVE TIMELINE



# INAUGURATION OF THE $CO_2$ CAPTURE TECHNOLOGY TEST BASE

# PROJECT TIMELINE

## BROCENI DECARBONIZATION LONG-TERM INDICATIVE TIMELINE



# THANK YOU

**SUSTAINABILITY** THAT WORKS.

www.schwenk.de

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