

CCS, Carbon Bank & Declaration Creation

How to create a declaration for my customer

02/06/2026





Agenda

1. CCS Introduction

Learn about the CCS process and our new products – evoBuild and evoZero

2. Carbon Bank Introduction

Discover the importance of the Carbon Bank in supporting our sustainability initiatives

3. Declaration Creation

Learn to create an evoZero declaration for the materials you bought



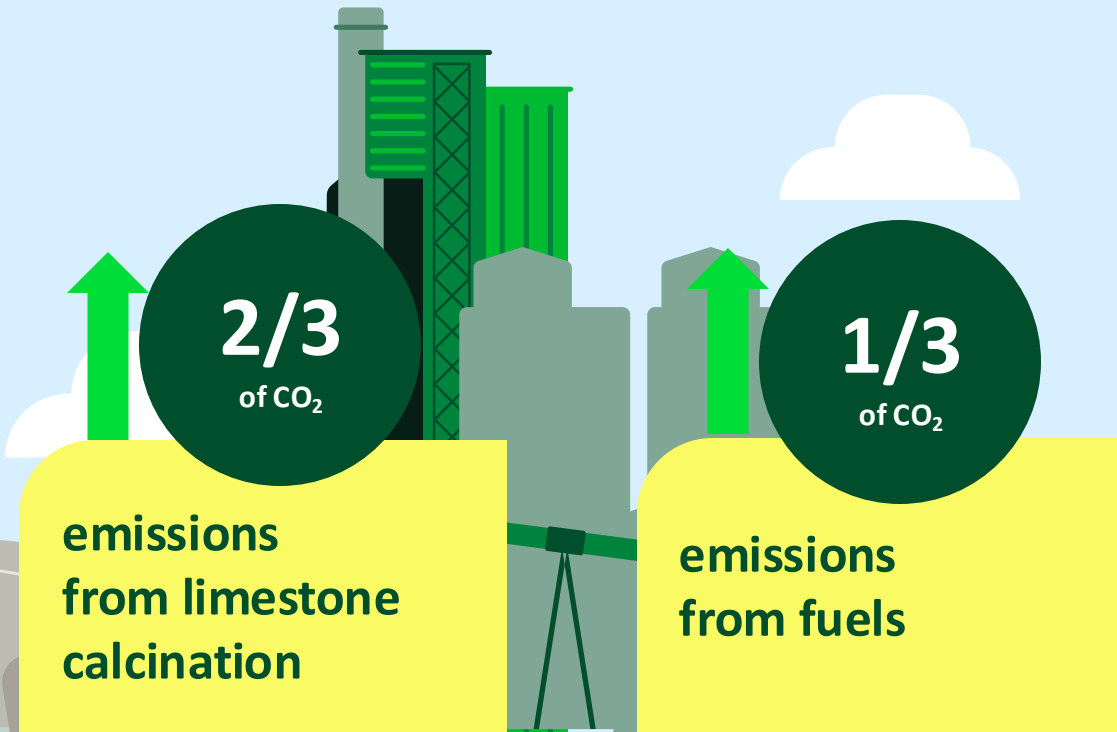
1.0

CCS Introduction

Learn about the CCS process and our new products – evoBuild and evoZero



CO₂ emissions are an unavoidable part of the cement production process



But there are actions we can take to reduce them while maintaining product standards



Promoting alternative fuel usage

Reducing reliance on fossil fuels



Inclusion of supplementary cementitious materials

Reducing clinker incorporation



Implementing and scaling CCS

Reducing the last unavoidable emissions

- CCS is essential to decarbonizing the cement and concrete industry, according to the Global Cement & Concrete Association and the International Energy Agency
- We are the first to employ this technology in the cement industry at scale, with other players following suit



Capture facility in Brevik - 400.000 tons of CO₂ a year

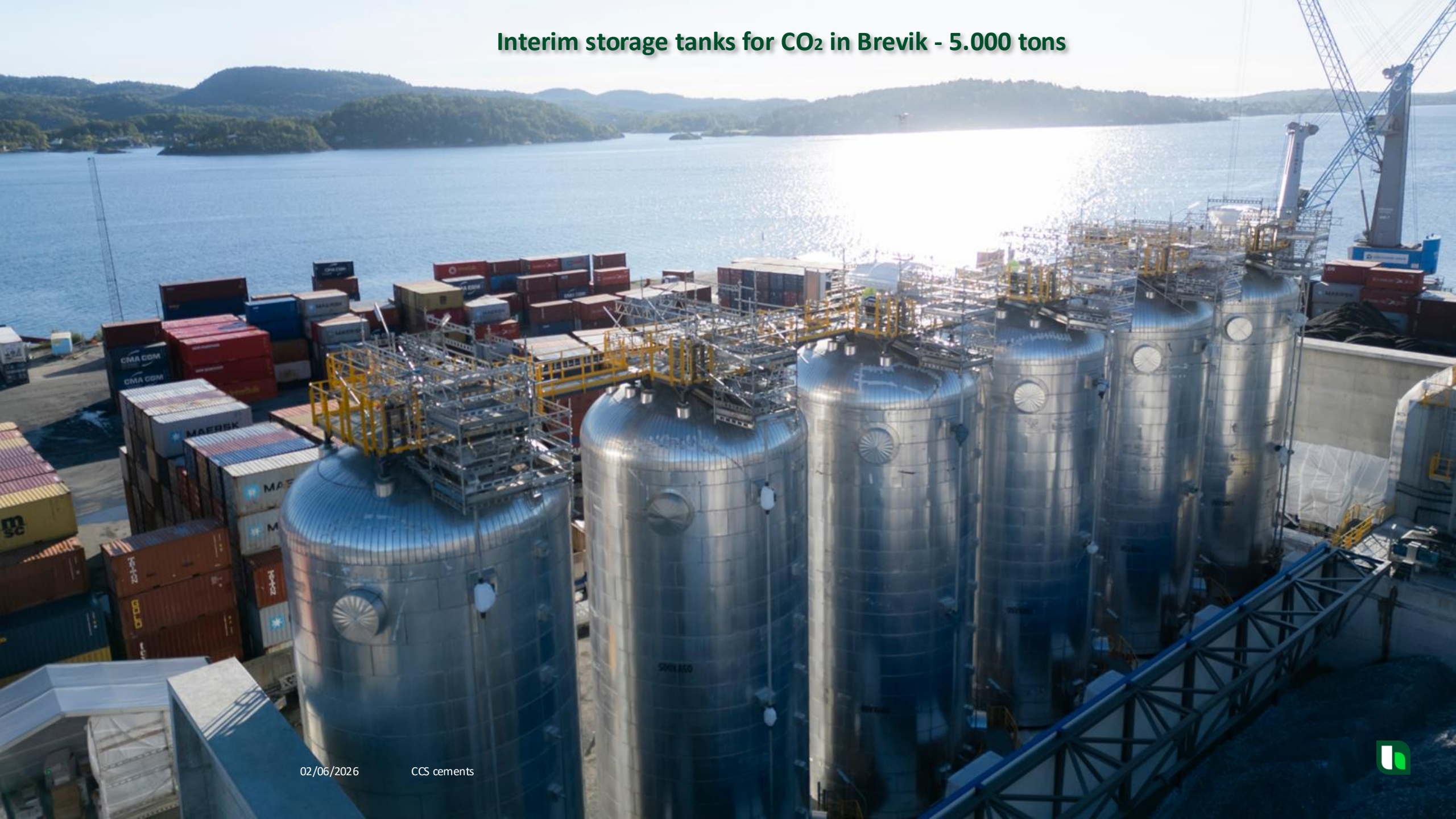


02/06/2026

CCS-cement



Interim storage tanks for CO₂ in Brevik - 5.000 tons



Northern Lights reception terminal in Øygarden



02/06/2026

CCS-cements

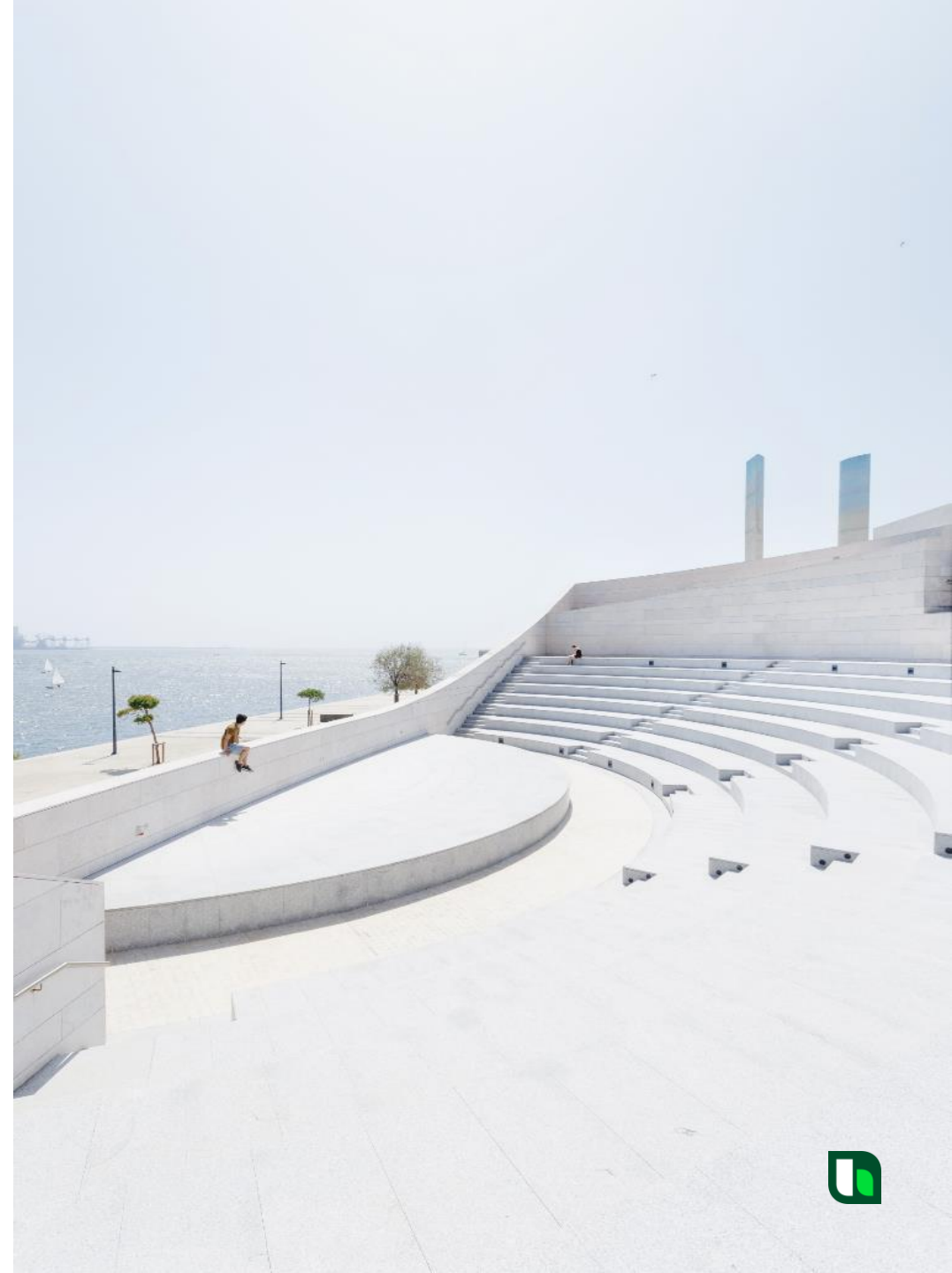




evoZero and evoBuild are the first CCS products in the cement industry worldwide

evozero

evoBUILD



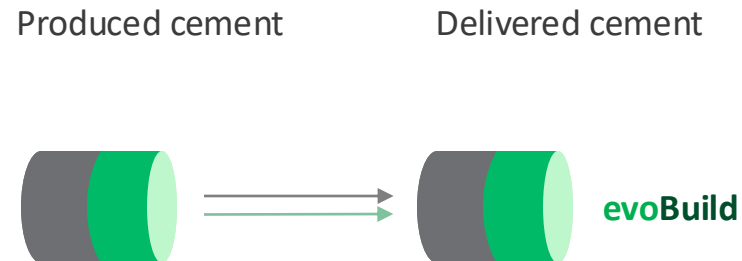
Two products are offered based on the CCS process

evoBuild is a low carbon cement produced at the CCS production facility in Brevik, Norway, and is documented with a P-EPD approved by ECO Platform and EPD Norge.

evoZero is a near zero cement created using the principle of mass-balance on cement produced at Brevik.

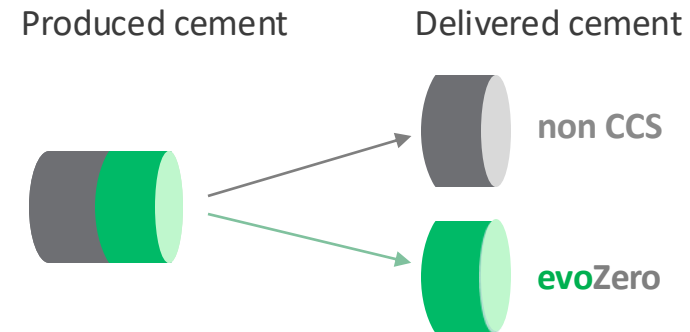
evoBUILD

CO₂ reduction from CCS based on an average capture rate



evozero

CO₂ reduction from CCS based on principle of mass-balance



2.0

Carbon Bank Introduction

Discover the importance of the Carbon Bank in supporting our sustainability initiatives

Heidelberg Materials



To enable decarbonization we employ two stringent pillars for transparently allocating CO₂

Supporting a transparent and traceable CO₂ accounting system

Chain of Custody Models

Enable assignment of emissions to different products

Flexibly transfer emission reductions over wide geographic area

Adapted from successful rollout in similar heavy industry (e.g. Steel, Energy & Aviation Fuel)

The Carbon Bank



A digital tool to track and allocate CO₂ reductions

End to end management of CO₂ certificates

Decentralized Blockchain Technology

3rd Party Verified for transparency & trustworthiness



What is the Carbon Bank?

The **stored carbon dioxide** is registered in the **Carbon Bank** and then linked to the CCS cement product.

The **Carbon Bank** is only used for evoZero.

The **Carbon Bank** is a MRV (Monitor, Report, Verify) system:

- ✓ quantifies and tracks carbon reductions across the entire supply chain
- ✓ ensures full transparency, traceability and ownership of carbon reductions by block-chain technology

The end customer can claim the CO₂ reductions through the **evoZero Declaration** from the Carbon Bank.

Declarations

Standard FA Brevik

500 / 2.000 t

Remaining for declaration creation

500 t / 316.308 kg CO₂



Create your first declaration

You can create declarations for one or more materials by clicking on "Create declarations".

Attributes

Quantity	Product GWP Total	Bundled carbon savings
500 t	333.308 kg CO ₂	316.308 kg CO ₂ Brevik, Norway



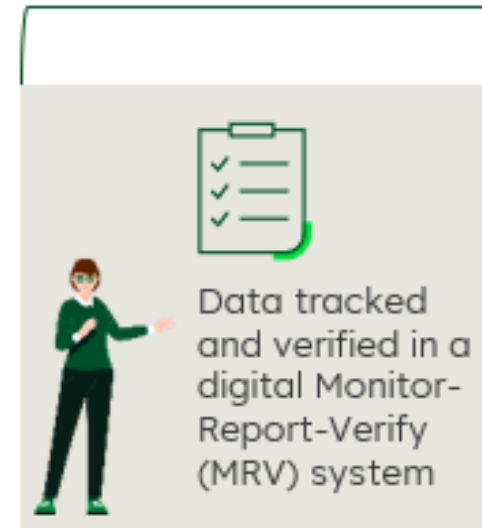
DNV provides independent limited assurance

Role of DNV

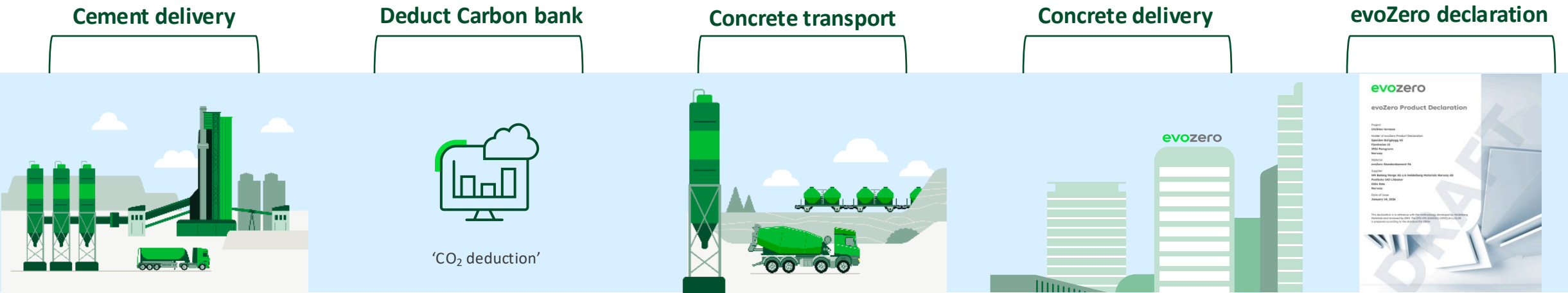
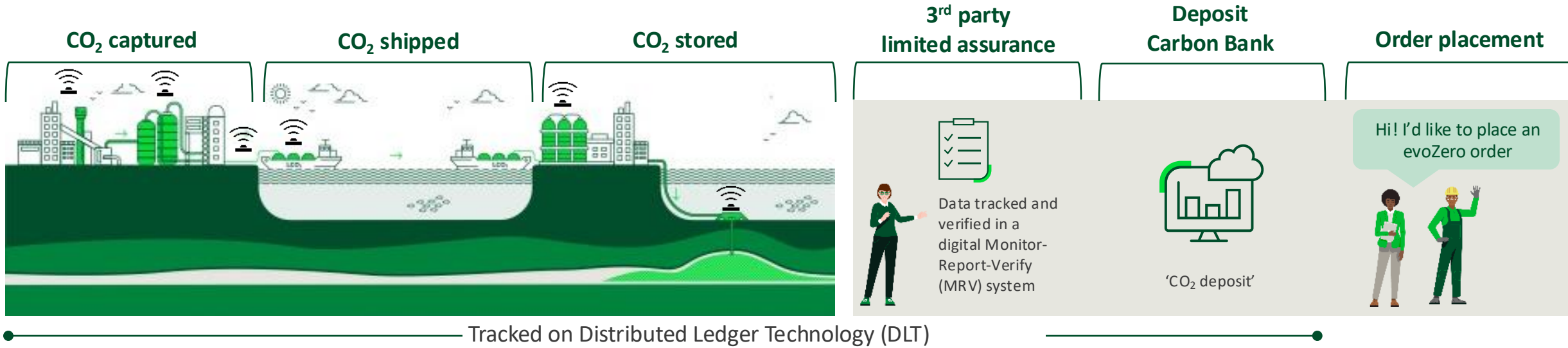
DNV provides independent, limited assurance to confirm that Heidelberg Materials' Carbon Bank data – such as deposits, withdrawals, and emission reduction allocations — is accurate and aligned with the company's evoZero rulebook.

They verify that the amount of CO₂ allocated to products never exceeds the volume permanently stored, ensuring there is no double counting or overselling and that the Carbon Bank remains credible and trustworthy.

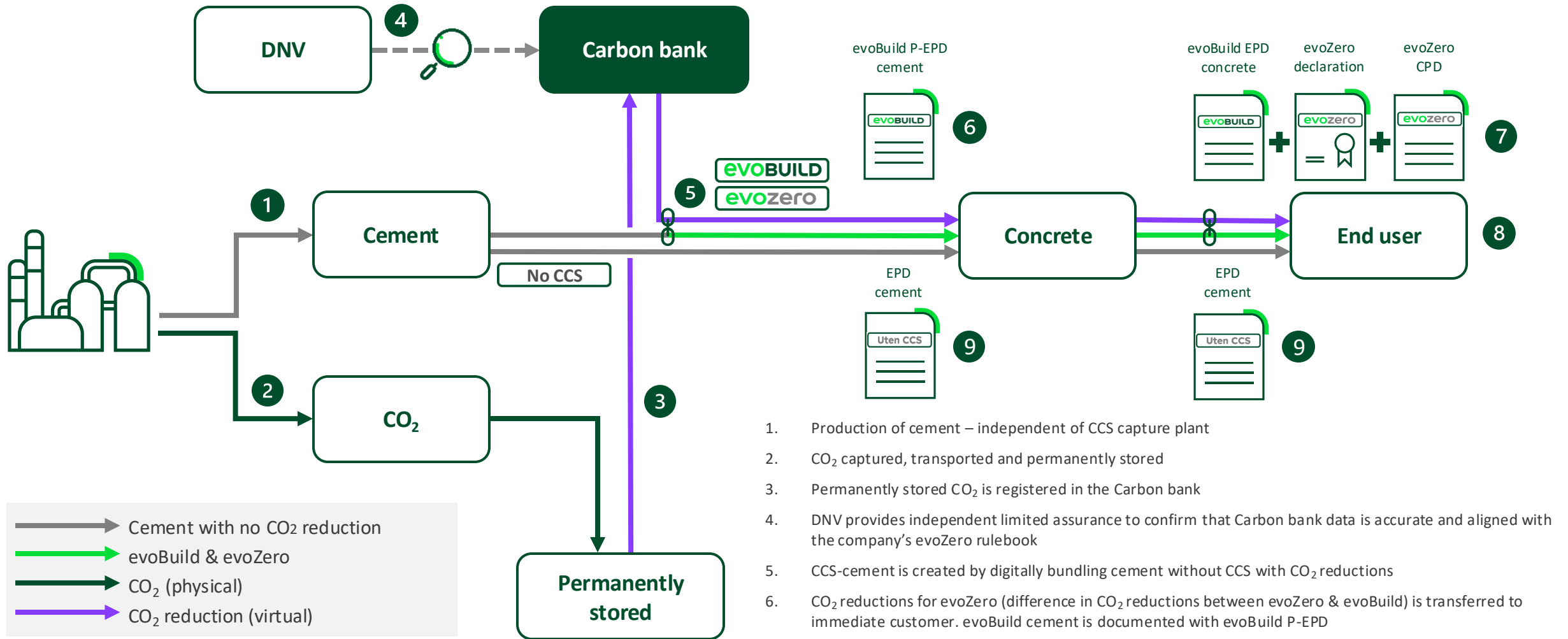
3rd party Assurance



CO₂ reductions are traced to ensure correct allocation



Production, verification and documentation of CO₂ reductions in CCS cement



1. Production of cement – independent of CCS capture plant
2. CO₂ captured, transported and permanently stored
3. Permanently stored CO₂ is registered in the Carbon bank
4. DNV provides independent limited assurance to confirm that Carbon bank data is accurate and aligned with the company's evoZero rulebook
5. CCS-cement is created by digitally bundling cement without CCS with CO₂ reductions
6. CO₂ reductions for evoZero (difference in CO₂ reductions between evoZero & evoBuild) is transferred to immediate customer. evoBuild cement is documented with evoBuild P-EPD
7. evoBuild concrete is documented by an evoBuild EPD
evoZero concrete is documented by an evoZero declaration + evoBuild EPD + evoZero CPD
8. End-user can request HMSN immediate customer to issue an evoZero declaration
9. Cement/concrete based on cement without CCS is documented by an EPD



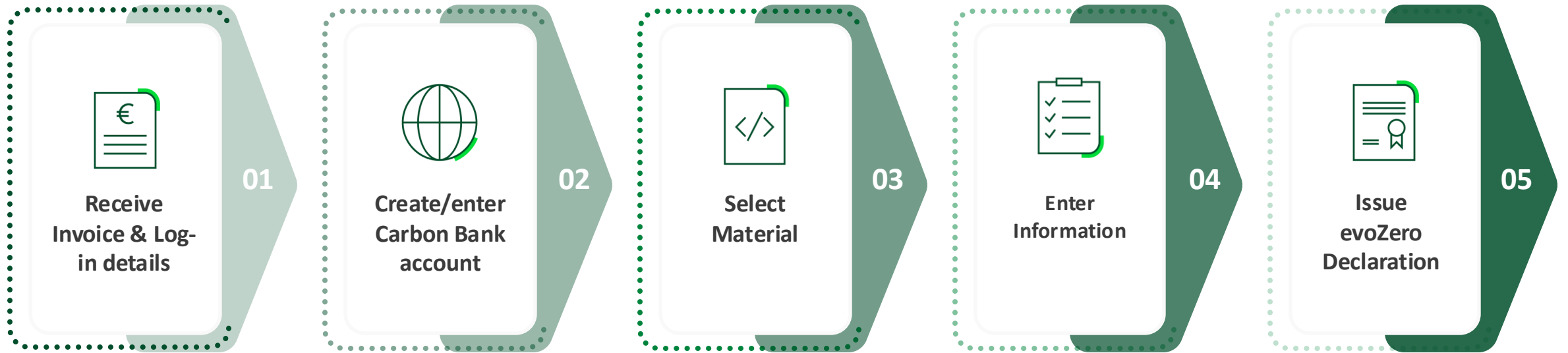
3.0

Declaration Creation

Learn to create an evoZero declaration for the materials you bought

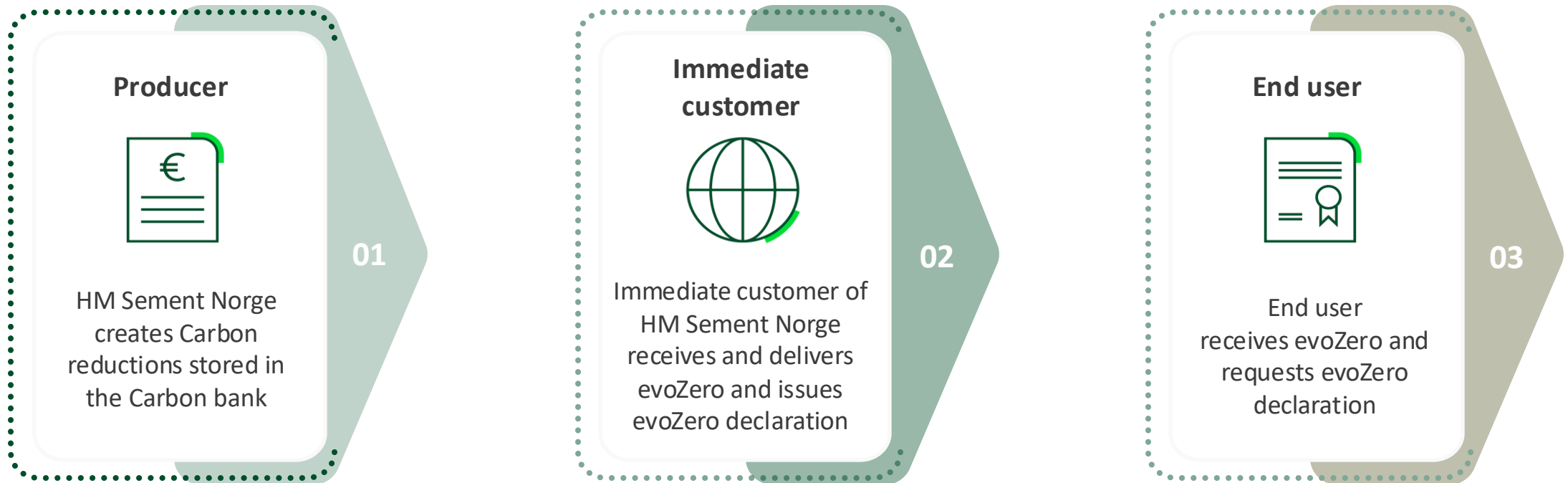


High-Level Process for immediate customer to HM Sement Norge



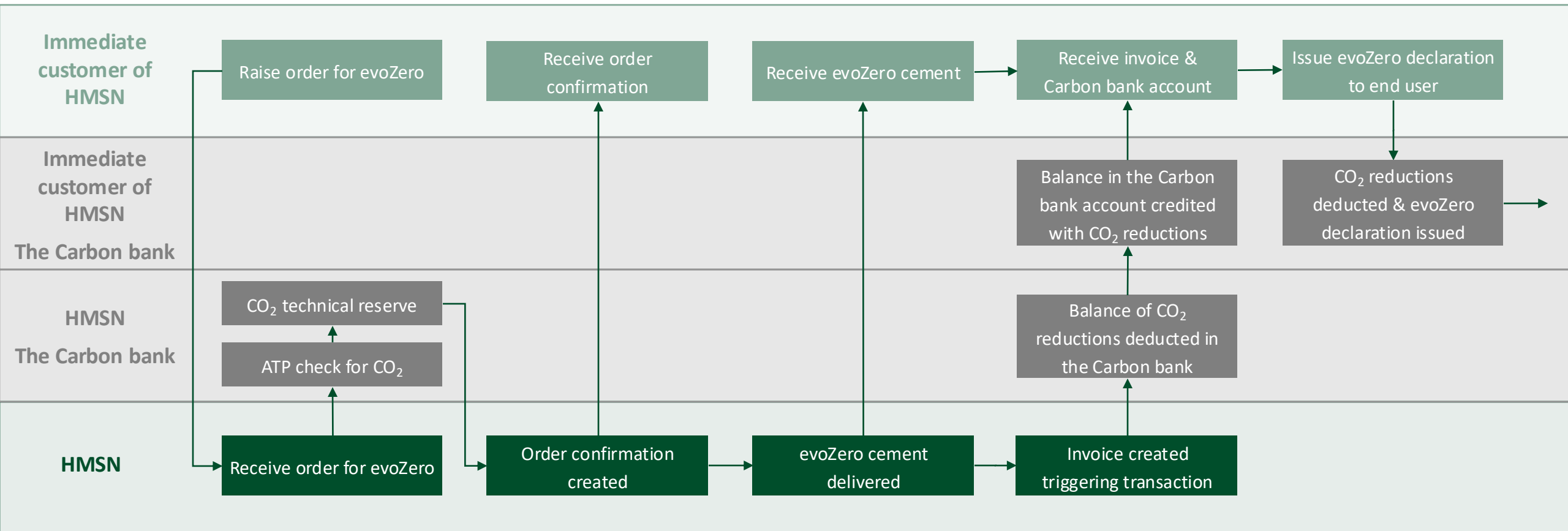
Only three entities utilizes the Carbon bank – Producer, Immediate customer & End user

1. **Producer:** The HM Sement Norge's Brevik plant produces cement and captures CO₂ reductions to be stored in the Carbon bank
2. **Immediate customer of HM Sement Norge:** The first customer in the value chain after HM Sement Norge
3. **End user of evoZero:** End user that can request an evoZero declaration from immediate customer of HM Sement Norge



Evo is managed through the Carbon bank process – evoBuild is managed with P-EPD & EPD

- evoZero can only be delivered from HM Sement Norge after CO₂ reductions are technically reserved in the Carbon bank
- Immediate evoZero customer of HM Sement Norge receives an account in the Carbon bank with a balance of CO₂ reductions
- Immediate evoZero customer can transfer CO₂ reductions and issue evoZero declaration (on request) to end-user



Scenarios for managing Carbon reductions to end-customers

Carbon bank account for evoZero:

- Only immediate (sold-to) customer of HM Sement Norge can access a Carbon bank account to manage CO₂ reductions for evoZero.
No other entity in the value chain receives Carbon bank access.
- CO₂ reductions are bundled with non-CCS cement in the Carbon bank to create evoZero cement. The SAP contract number is referenced in the Carbon bank.
- CO₂ reductions in the Carbon bank account increases for each received invoice until the contract limit is reached.
- All contracts and amounts of CO₂ reductions are shown in the Carbon bank account after the first invoice is received.

Request for evoZero declaration:

- An end-user can request an evoZero declaration through their delivery partner/supplier, so that this request is communicated through the value chain to the immediate customer of HM Sement Norge.
- The evoZero declaration can be issued for any amount of evoZero delivered – minimum 1KG of CO₂ reductions.
- The evoZero declaration is sent as a PDF to the end-user from the immediate customer.



Scenarios for managing Carbon reductions to end-customers

Allocations of evoZero carbon reductions:

- Immediate customer can allocate CO₂ reductions from one contract with HM Sement Norge to one or several end-users.
- CO₂ reductions in the Carbon bank are deducted when allocating CO₂ reductions to an evoZero declaration.

Carbon reductions in evoZero declarations:

- Immediate customer can issue an evoZero declaration for their own internal project or to an end-user.
- evoZero declarations can be issued for the desired amount, eg for one single customer delivery or for an entire project etc.
- All evoZero declarations are stored in the Carbon bank according to a specified project.

Timeframe:

- Immediate customer can issue the evoZero declaration several years after evoZero cement deliveries to the end-user.
- evoZero declarations are stored in the Carbon bank account for several years and can be re-sent to an end-customer.



Scenarios for managing Carbon reductions to end-customers

Allocations of CO2 reductions:

- Once the evoZero declaration has been issued, it is not possible to reverse the process or change any information regarding the transfer or on the declaration.
- Four-eyes principle is advised to ensure that the evoZero declaration is issued correctly.
- **Third party verification:**
 - The declaration states a Transaction number & Verification ID to verify the transaction of ownership through HM website.
 - The end-user can also verify the transaction on platforms like Hashscan.io as described on the evoZero declaration.
- **Requirements and best practise for managing CCs cements:**
 - Requirements and best practise for managing CCS cements are given in a separate presentation by HM Sement Norge.



Invoice received & Access the Carbon Bank



Hello Sam Smith, Get the proof for your evo materials

Our carbon bank portal allows you to view your carbon reduction balance. You can afterwards seamlessly create declarations for the projects utilizing these savings.

The carbon reductions apply to the invoice [invoice number] under contract [contract number].

[Sign up and create declaration](#)

Carbon reductions
16.436 kg CO₂

Material
CEM II/A-LL 32,5 R evoZero carbon capture

Invoiced quantity
83 t

Plant
Burglengenfeld, Germany



You receive an email informing you that new carbon savings are available to create a declaration.

To proceed, click on **Create declaration**



Overview of available materials

Carbon bank
[Declarations](#)
ww

Manage declarations

Available materials

Material	Invoiced quantity	Remaining for declaration creation
CEM II/A-LL 32,5 R evoZero carbon capture 2138918239	15,000 / 20,000 t <div style="width: 75%; height: 10px; background-color: #2e7d32;"></div>	15,000 t 8.805.000 kg CO ₂ >
CEM I 20 evoZero 2138918239	8,000 / 20,000 t <div style="width: 40%; height: 10px; background-color: #2e7d32;"></div>	8,000 t 3.522.000 kg CO ₂ >
CEM III 40 evoZero carbon capture 2138918239	2,000 / 5,000 t <div style="width: 40%; height: 10px; background-color: #2e7d32;"></div>	2,000 t 870.000 kg CO ₂ >

[↓ Show all materials](#)

Projects

Reference	Total quantity	Total carbon reductions	Status
Building project	10.000 t	5.870.000 kg CO ₂	⌘ Pending >
Train Tunnel Construction	10.000 t	1.761.000 kg CO ₂	✓ Claimed >
Project 3	3.000 t / 4.000 m ³	1.761.000 kg CO ₂	✓ Claimed >

You are provided with a summary of all available materials and a list of projects that have already obtained declarations “Claimed”, shortly after issuing a declaration the status is given as “Pending” for a short period.



Overview of available materials

Carbon bank
Declarations
ww

Manage declarations

Available materials

Material	Invoiced quantity	Remaining for declaration creation
CEM II/A-LL 32,5 R evoZero carbon capture 2138918239	15.000 / 20.000 t <div style="width: 75%; height: 10px; background: linear-gradient(to right, green, grey);"></div>	15.000 t 8.805.000 kg CO ₂ >
CEM I 20 evoZero 2138918239	8.000 / 20.000 t <div style="width: 40%; height: 10px; background: linear-gradient(to right, green, grey);"></div>	8.000 t 3.522.000 kg CO ₂ >
CEM III 40 evoZero carbon capture 2138918239	2.000 / 5.000 t <div style="width: 40%; height: 10px; background: linear-gradient(to right, green, grey);"></div>	2.000 t 870.000 kg CO ₂ >

Material name
Contract ID
↓ Show all materials
Invoice QTY / Total QTY per
material in contract
Invoiced QTY that was not used for a
declaration
QTY converted in carbon emissions

Projects

Reference	Total quantity	Total carbon reductions	Status
Building project	10.000 t	5.870.000 kg CO ₂	⚠ Pending >
Train Tunnel Construction	10.000 t	1.761.000 kg CO ₂	✓ Claimed >
Project 3	3.000 t / 4.000 m ³	1.761.000 kg CO ₂	✓ Claimed >

- Initially, you see materials with remaining CO₂ reductions or undelivered quantities for each contract in CEM NO SAP
- When choosing **Show all materials**, a view is given that includes those without any remaining CO₂ reductions.



Overview of available materials

Carbon bank
Declarations
ww

Manage declarations

Available materials

Material	Invoiced quantity	Remaining for declaration creation
CEM II/A-LL 32,5 R evoZero carbon capture 2138918239	15.000 / 20.000 t <div style="width: 75%; background-color: #ccc; height: 10px; margin: 5px 0;"></div>	15.000 t 8.805.000 kg CO ₂ >
CEM I 20 evoZero 2138918239	8.000 / 20.000 t <div style="width: 40%; background-color: #ccc; height: 10px; margin: 5px 0;"></div>	8.000 t 3.522.000 kg CO ₂ >
CEM III 40 evoZero carbon capture 2138918239	2.000 / 5.000 t <div style="width: 40%; background-color: #ccc; height: 10px; margin: 5px 0;"></div>	2.000 t 870.000 kg CO ₂ >

↓ Show all materials

Projects

Reference	Total quantity	Total carbon savings	Status
Building project	10.000 t	5.870.000 kg CO ₂	⌘ Pending >
Train Tunnel Construction	10.000 t	1.761.000 kg CO ₂	✓ Claimed >
Project 3	3.000 t / 4.000 m ³	1.761.000 kg CO ₂	✓ Claimed >
Project reference	Overall total for all declaration included in a contract	Overall carbon savings for a project	

- **Pending:** Transfer and Declaration creation synchronizing with DLT
- **Claimed:** All Declarations claimed



Overview of available materials

Carbon bank
Declarations
ww

Manage declarations

Available materials

Material	Invoiced quantity	Remaining for declaration creation
CEM II/A-LL 32,5 R evoZero carbon capture 2138918239	15.000 / 20.000 t <div style="width: 75%; height: 10px; background-color: #28a745;"></div>	15.000 t 8.805.000 kg CO ₂
CEM I 20 evoZero 2138918239	8.000 / 20.000 t <div style="width: 40%; height: 10px; background-color: #6c757d;"></div>	8.000 t 3.522.000 kg CO ₂
CEM III 40 evoZero carbon capture 2138918239	2.000 / 5.000 t <div style="width: 40%; height: 10px; background-color: #6c757d;"></div>	2.000 t 870.000 kg CO ₂

↓ Show all materials

Projects

Reference	Total quantity	Total carbon reductions	Status
Building project	10.000 t	5.870.000 kg CO ₂	⚙ Pending
Train Tunnel Construction	10.000 t	1.761.000 kg CO ₂	✓ Claimed
Project 3	3.000 t / 4.000 m ³	1.761.000 kg CO ₂	✓ Claimed

To proceed, you can click on either one of your **available materials**.



Material Details Page

Carbon bank [Declarations](#)
ww

[Back to Manage declarations](#)

CEM II/A-LL 32,5 R evoZero carbon capture

2138918239

Invoiced quantity

15.000 / 20.000 t

Remaining for declaration creation

15.000 t / 8.805.000 kg CO₂

+ Create declaration

Declarations

Project reference	Date of issue	Quantity	Carbon reductions	Transaction number	Action
Building project	26.05.2024, 13:30	10.000 t	5.870.000 kg CO ₂	3213921731238	Show
Train Tunnel Construc...	12.05.2024, 10:23	3.000 t	1.761.000 kg CO ₂	3821873821738	Show

Carbon captured attributes

⊙ Carbon capture and storage

Material	Quantity	Product GWP Total	Bundled carbon reductions	Remaining GWP	EPD for physical material
CEM II/A-LL 32,5 R evoZero carbon capture ¹ <small>Burglengenfeld, Germany</small>	15.000 t	8.805.000 kg CO ₂	8.805.000 kg CO₂ <small>Brevik, Norway</small>	0 kg CO ₂	Show

1) Carbon reductions compensate for stages A1-A3 of the lifecycle inventory of cement.

Carbon reductions assured by DNV

⊙ Ensuring trust through third party assurance

Heidelberg Materials commissioned DNV Business Assurance Germany GmbH ("DNV") to provide limited assurance over data and the methodology used by HM as the basis for issuing product carbon intensity declarations. [Learn more about DNV](#)

Invoices


Date	Invoice number	Delivered quantity	Bundled carbon reductions	Transaction ID	
12.02.2025	3921389218932819390	28 t	16.436 kg CO ₂	3921389218932819390	>

[↓ Show more invoices](#)

This screen provides specific information about the material and contract, allowing you to see all relevant details in one place.



Material Details Page: Carbon Captured Attributes


Declarations
ww

← Back to Manage declarations

CEM II/A-LL 32,5 R evoZero carbon capture

2138918239

Invoiced quantity15.000 / 20.000 t

Remaining for declaration creation
15.000 t / 8.805.000 kg CO₂

+ Create declaration

Declarations

Project reference	Date of issue	Quantity	Carbon reductions	Transaction number	Action
Building project	26.05.2024, 13:30	10.000 t	5.870.000 kg CO ₂	3213921731238	Show
Train Tunnel Construc...	12.05.2024, 10:23	3.000 t	1.761.000 kg CO ₂	3821873821738	Show

Carbon captured attributes


⊙ Carbon capture and storage

Material	Quantity	Product GWP Total	Bundled carbon reductions	Remaining GWP	EPD for physical material
CEM II/A-LL 32,5 R evoZero carbon capture ¹ Burglengenfeld, Germany	15.000 t	8.805.000 kg CO ₂	8.805.000 kg CO ₂ Brevik, Norway	0 kg CO ₂	Show

1) Carbon reductions compensate for stages A1-A3 of the lifecycle inventory of cement.

Material name
Quantity of material
Total CO₂ reduction
Opens EPD

Production location
Total CO₂ Emissions
Remaining CO₂ footprint



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⊙ Ensuring trust through third party assurance


Invoices

Date	Invoice number	Delivered quantity	Bundled carbon reductions	Transaction ID
12.02.2025	3921389218932819390	28 t	16.436 kg CO ₂	3921389218932819390 >

↕ Show more invoices



Material Details Page: Invoices


Declarations
ww

← Back to Manage declarations

CEM II/A-LL 32,5 R evoZero carbon capture

2138918239

Invoiced quantity

15.000 / 20.000 t

Remaining for declaration creation

15.000 t / 8.805.000 kg CO₂

+ Create declaration

Declarations

Project reference	Date of issue	Quantity	Carbon reductions	Transaction number	Action
Building project	26.05.2024, 13:30	10.000 t	5.870.000 kg CO ₂	3213921731238	Show
Train Tunnel Construc...	12.05.2024, 10:23	3.000 t	1.761.000 kg CO ₂	3821873821738	Show

Carbon captured attributes


⊙ Carbon capture and storage

Material	Quantity	Product GWP Total	Bundled carbon reductions	Remaining GWP	EPO for physical material
CEM II/A-LL 32,5 R evoZero carbon capture ¹ <small>Burgengenfeld, Germany</small>	15.000 t	8.805.000 kg CO ₂	8.805.000 kg CO ₂ <small>Brevik, Norway</small>	0 kg CO ₂	Show

1) Carbon reductions compensate for stages A1-A3 of the lifecycle inventory of cement.

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Invoices

Date	Invoice number	Delivered quantity	Bundled carbon savings	Transaction ID	
12.02.2025	3921389218932819390	28 t	16.436 kg CO ₂	3921389218932819390	>

CO2 reductions for invoiced material

Date of the invoice
Invoice Number
↓ Show more invoices
Transaction ID to validate against Distributed Ledger



Material Details Page

Declarations
ww

← Back to Manage declarations

CEM II/A-LL 32,5 R evoZero carbon capture

2138918239

Invoiced quantity

15.000 / 20.000 t

Remaining for declaration creation

15.000 t / 8.805.000 kg CO₂

[+ Create declaration](#)

Declarations

Project reference	Date of issue	Quantity	Carbon reductions	Transaction number	Action
Building project	26.05.2024, 13:30	10.000 t	5.870.000 kg CO ₂	3213921731238	Show
Train Tunnel Construc...	12.05.2024, 10:23	3.000 t	1.761.000 kg CO ₂	3821873821738	Show

Carbon captured attributes

[Carbon capture and storage](#)

Material	Quantity	Product GWP Total	Bundled carbon reductions	Remaining GWP	EPO for physical material
CEM II/A-LL 32,5 R evoZero carbon capture ¹ <small>Burgengenfeld, Germany</small>	15.000 t	8.805.000 kg CO ₂	8.805.000 kg CO ₂ <small>Brevik, Norway</small>	0 kg CO ₂	Show

1) Carbon reductions compensate for stages A1-A3 of the lifecycle inventory of cement.

Carbon reductions assured by DNV

[Ensuring trust through third party assurance](#)

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Invoices

Date	Invoice number	Delivered quantity	Bundled carbon reductions	Transaction ID	
12.02.2025	3921389218932819390	28 t	16.436 kg CO ₂	3921389218932819390	>

[↕ Show more invoices](#)

To proceed, click on **Create certificate**



Create Declaration: Step #1: Select Declaration Type & Project

Carbon bank [Declarations](#)

< Back to CEM II/A-LL 32,5 R evoZero carbon capture

Create declaration

1 Type 2 Material 3 Declaration

Select the declaration type

- Customer project**
The material was used for an external project. Now I need to provide a declaration detailing the carbon reductions for my customer.
- Internal project / product**
The material was used for an internal project or product. I need to create a declaration to claim the carbon reductions for our own operations.

Add project reference

You need to assign carbon reductions to a project reference that you want to create the declaration for.

Project reference

Select a project

- Building project
- Train tunnel construction
- Create new project

Summary

Declaration type
Customer project

Project reference
Building project

→ Select material

Displayed if no projects have been created
Add project name

Displayed if projects have been created before in the Carbon bank
Choose project

To proceed, click on **Select material**.

Create Declaration: Step #2: Define the relevant Materials

Carbon bank Declarations ww

[Back to CEM II/A-LL 32,5 R evoZero carbon capture](#)

Create declaration

1 Type 2 Material 3 Declaration

Select the materials that require declarations

You can select one or more materials used for this project.

Material
CEM II/A-LL 32,5 R evoZero carbon capture (2138918239)

Material quantity (t)	Available quantity (t)	Carbon reductions (kg CO ₂)
15.000	15.000	8.805.000

Enter desired amount of CO2 reductions to transfer
Number can not be larger than available quantity

Summary

Declaration type
Customer project

Project reference
Building project

Material	Quantity (t)
CEM II/A-LL 32,5 R evoZero carbon capture (2138918239)	15.000

Total carbon reductions (kg CO₂)
8.805.000

[← Back](#) [→ Add to project](#)

To proceed with the selected quantity, click on **Add to project**.



Create Certificate: Step #3: Enter End-Customer's Details

Carbon bank [Declarations](#) ww

< Back to CEM II/A-LL 32,5 R evoZero carbon capture

Create declaration

✓ Type — ✓ Material — 3 Declaration

Declaration details

To create the declaration the customer name, address and country of the declaration holder is needed. The information cannot be changed afterwards.

Provide declaration details

The information you provide will be permanently recorded on the declaration and cannot be modified afterwards.

Project reference
Building project

Company name

Street

Zip code City

Country

Summary

Declaration type
Customer project

Project reference
Building project

Material	Quantity (t)
CEM II/A-LL 32,5 R evoZero carbon capture (2138918239)	15.000

Total carbon reductions (kg CO₂)
8.805.000

← Back ✓ Create declaration

Enter relevant information about end-user that will receive the declaration

Carbon bank [Declarations](#) ww

< Back to CEM II/A-LL 32,5 R evoZero carbon capture

Create declaration

✓ Type — ✓ Material — 3 Declaration

Declaration details

To create the declaration the customer name, address and country of the declaration holder is needed. The information cannot be changed afterwards.

Provide declaration details

Review declaration details

Please review the data you have entered for any mistakes.

The information you have provided will be permanently recorded on the declaration and cannot be modified afterwards.

Project reference
New Nobel Center

Company name
Nobel Foundation

Street
Stortorget

Zip code
103 16

City
Stockholm

Country
Sweden

Click on **Create declaration** to proceed.

Make sure all information is correct, no changes can be made to the declaration after this step

← Back ✓ Yes, everything is correct

Summary

Declaration type
Internal project / product

Project reference
Building project

Material	Quantity (t)
CEM II/A-LL 32,5 R evoZero carbon capture (2138918239)	15.000

Total carbon reductions (kg CO₂)
8.805.000

← Back ✓ Create declaration



Project Page

You can access and manage existing certificates and view the relevant transaction history

Carbon bank [Declarations](#)

ww

[Back to Manage declarations](#)

Building project

Quantity: 15.000 t Carbon reductions: 8.805.000 kg CO₂ Status: ✓ Claimed

[Download all declarations](#)

Download all declarations and email them to your customer.

Declarations

Material	Date of issue	Quantity	Carbon reductions	Transaction number	Action
CEM II/A-LL 32,5 R ev...	26.05.2024, 13:30	10.000 t	5.870.000 kg CO ₂	3213921731238	Show
CEM II/A-LL 32,5 R ev...	12.05.2024, 10:23	3.000 t	1.761.000 kg CO ₂	3213921731238	Show
CEM I 20 evoZero	02.05.2024, 16:31	5.000 t	2.935.000 kg CO ₂	3821873821738	Show

Open a single declaration and email them to your customer.

Carbon captured attributes

[Carbon capture and storage](#)

Material	Quantity	Product GWP Total	Bundled carbon reductions	Remaining GWP	EPD for physical material
CEM II/A-LL 32,5 R evoZero carbon capture ¹ Burglengenfeld, Germany	15.000 t	8.805.000 kg CO ₂	8.805.000 kg CO ₂ Brevik, Norway	0 kg CO ₂	Show
CEM I 20 evoZero ¹ Burglengenfeld, Germany	5.000 t	2.935.000 kg CO ₂	2.935.000 kg CO ₂ Brevik, Norway	0 kg CO ₂	Show



Project Page



Carbon reductions assured by DNV

① Ensuring trust through third party assurance

Heidelberg Materials commissioned DNV Business Assurance Germany GmbH ("DNV") to provide limited assurance over data and the methodology used by HM as the basis for issuing product carbon intensity declarations. [Learn more about DNV](#)

Carbon bank transaction history

① Ensuring accountability by installing a carbon bank

② Traceability of carbon reductions

Assurance by DNV, allowing a carbon bank deposit



Description
Once the 3rd party assurance body 'DNV' has assured the stored captured carbon volume in a digital Monitor-Report-Verify system, a new deposit is made in the carbon bank.

Time
27.01.2025 - 31.01.2025

Transaction ID
[4821398741293](#)

Invoice to supplier, triggering a carbon bank withdrawal



Description
With the invoicing of evoZero material to the supplier, a withdrawal from the carbon bank has been executed.

Time
29.01.2025 - 02.02.2025

Transaction ID
[2913874123987](#)

Transfer of carbon savings to declaration holder



Description
The supplier initiated the transfer of the carbon savings to the declaration holder, based on the evoZero material volume that went in to the delivered product.

Time
31.01.2025 - 04.02.2025

Transaction ID
[7812394871239](#)

Validate and verify all transactions against the Distributed Ledger.



evoZero Declaration



Project

In which the cement product is used

Carbon reduction holder

e. g. general contractor

evoZero cement

Physical

Supplier

of cement-based product — our customer

evozero

evoZero Product Declaration

Project
Utsikten terrasse

Holder of evoZero Product Declaration
Sjøsiden Boligbygg AS
Fjordveien 12
3936 Porsgrunn
Norway

Material
evoZero Standardsement FA

Supplier
HM Betong Norge AS c/o Heidelberg Materials Norway AS
Postboks 143 Lilleaker
0216 Oslo
Norway

Date of issue
January 14, 2026

This declaration is in reference with the methodology developed by Heidelberg Materials and reviewed by DNV. The EPD-HM-2024(01)-CEMII/A-L132,SR is prepared according to the standard EN 15804.

Heidelberg Materials

evoZero Product Declaration Sjøsiden Boligbygg AS - Utsikten terrasse 02

Information

Material	Reference
Material evoZero Standardsement FA comprising evoBuild CEM II/B-M 42,5 R NO11 Portland-fly ash from Grenland, NOA bundled with CCS Attributes generated at Brevik, Norway	Reference EPD for delivered material NEPD-12345-12345
Delivered quantity 32.250 tonnes	Project Utsikten terrasse Holder of evoZero Product Declaration Sjøsiden Boligbygg AS Fjordveien 12 3936 Porsgrunn Norway

evoZero Carbon Capture & Storage EACs

How evoZero EACs are generated

The generation of EACs is tied to the production of clinker under carbon capture conditions at Brevik. Each tonne of clinker produced under CCS conditions carries an emission reduction of 3073 kg CO₂eq/t clinker compared to non-CCS operations. Therefore, each EAC carries a reduction of 3073 kg CO₂eq/t clinker.

EACs enable Heidelberg Materials AG to allocate the environmental benefits of CCS at Brevik across cement products produced both locally and at our other plants within the EU, EFTA, Switzerland, and the UK.

For the quantity of evoZero delivered in this order, 28.652,78 EACs were allocated to derive the evoZero GWP.

Description	Unit	Per tonne	Total
(GWP-total) evoBuild CEM II/B-M 42,5 R NO11 Portland-fly ash*	kg CO ₂ -eq	230	7,417
Carbon reductions for evoZero Standardsement FA	kg CO ₂ -eq	-184	-5,934
(evoZero-GWP) evoZero Standardsement FA** kg CO ₂	kg CO ₂ -eq	46	1,483

* GWP calculated in accordance with EN 15804 and EN 16908
** GWP calculation developed in accordance with Heidelberg Materials Carbon reductions Policy (<https://www.evozero.com/assurance>)

Assurance serial number
DNV-2025-EVO-765432

Date of assurance statement
November 27, 2025

Verification body
DNV Business Assurance Germany GmbH

The allocation of EACs Heidelberg Materials has been subject to independent limited third-party assurance by DNV Business Assurance Germany GmbH. The scope of their assurance can be accessed here: www.evozero.com/assurance.

The subsequent transfer from your supplier to Riverside Building Incorporated has not been audited by the third-party assurance body. The integrity of this transfer step is documented and maintained through the Carbon Bank's Distributed Ledger to ensure authenticity, traceability and transparency of the transaction.

This declaration is intended to support Riverside Building Incorporated reporting a reduction of 8.805.000 kg CO₂eq in their Scope 3 sustainability reporting.

Carbon Bank transaction number: **0.0.4398705@1757527528.677571018** Record ID: **5bc36a35203aaa96**

Delivered quantity

of cement in the cement-based product

GWP

of local non CCS cement of evoBuild Brevik

CO₂ reductions

Retired from the Carbon bank

DNV Assurance

Details on DNV assurance

Carbon bank data

Transaction number & Verification ID



Thank You.





Heidelberg
Materials