

Carbon offsetting



Carbon compensation for BIA

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BIA

Carbon compensation

■ Welke CO₂ compenseren?

- CO₂-footprint van de cementen van ENCI/CBR?
- van de eindproducten?

■ - inclusief levering naar klant?

-

■ Werkwijze:

- bepalen CO₂-footprint (Carbon calculator)
- validatie door extern deskundigen (Primum, IVAM, SGS,)
- hieruit volgt CO₂-footprint (x ton CO₂)
- vaststellen type certificaten (ambitie klant)
- opvragen prijsniveau certificaten door HC-GES
- akkoord klant
- aankoop certificaten door HeidelbergCement
- HeidelbergCement levert certificaten aan klant
- klant krijgt factuur voor geleverde certificaten

BIA

Product-mix Nederland 2009

NL Netherlands	Metzger B.V.	NL10 ENCI Maastricht	103387	CEM I 52,5 N BULK	01 Truck	288		
			103424	CEM I 52,5 N NCR BULK	01 Truck	110		
Totaal NL10 ENCI Maastricht						398		
Totaal Metzger B.V.						398		
NL Netherlands	SAINT-GOBAIN WEBER BEAMIX BV	BE14 CBR Harmignies	103364	WHITE CEM I 42,5 N LA	01 Truck	1.525		
		Totaal BE14 CBR Harmignies						1.525
		NL10 ENCI Maastricht	103387	CEM I 52,5 N BULK	01 Truck	38		
			103464	CEM I 42,5 N BULK	01 Truck Z5 Barge	3.276 7.632		
			103468	CEM I 42,5 N 25 kg GAMM	01 Truck	3.402		
			103469	CEM I 42,5 N 25 kg KARW	01 Truck	1.610		
			103473	CEM I 42,5 N 25 kg 1,4 T E	01 Truck	2.237		
		Totaal NL10 ENCI Maastricht						18.195
		NL12 ENCI Rotterdam	103415	CEM III/B 42,5 N LH BULK	01 Truck Z5 Barge	684 3.126		
			103460	CEM III/B 42,5 N LH-CR B	01 Truck Z5 Barge	142 1.231		
			Totaal NL12 ENCI Rotterdam					
Totaal SAINT-GOBAIN WEBER BEAMIX BV						24.903		
NL Netherlands	Weber-Beamix Amsterdam	BE14 CBR Harmignies	103364	WHITE CEM I 42,5 N LA	01 Truck	1.017		
		Totaal BE14 CBR Harmignies						1.017
		NL10 ENCI Maastricht	103387	CEM I 52,5 N BULK	01 Truck	150		
			103464	CEM I 42,5 N BULK	01 Truck Z5 Barge	838 6.264		
			Totaal NL10 ENCI Maastricht					
		NL11 ENCI IJmuiden	103415	CEM III/B 42,5 N LH BULK	01 Truck	681		
			103460	CEM III/B 42,5 N LH-CR B	01 Truck	258		
		Totaal NL11 ENCI IJmuiden						939
		Totaal Weber-Beamix Amsterdam						9.208
		NL Netherlands	Weber-Beamix Botlek Rotterdam	BE14 CBR Harmignies	103364	WHITE CEM I 42,5 N LA	01 Truck	860
Totaal BE14 CBR Harmignies						860		
NL10 ENCI Maastricht	103464			CEM I 42,5 N BULK	01 Truck Z5 Barge	871 8.352		
	Totaal NL10 ENCI Maastricht						9.223	
NL12 ENCI Rotterdam	103415			CEM III/B 42,5 N LH BULK	01 Truck	921		
	103460			CEM III/B 42,5 N LH-CR B	01 Truck	319		
Totaal NL12 ENCI Rotterdam						1.240		
Totaal Weber-Beamix Botlek Rotterdam						11.322		
Totaal NL Netherlands						45.832		



Beleid

Inzet voor duurzaam bouwen

Het lijkt geen twijfel dat de principes van duurzame ontwikkeling moeten worden toegepast in de bouwsector. Het begrip duurzaam bouwen kan op...




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DOWNLOAD  (PDF, 517KB) [SHARE](#) 


Bouwen

Ecolabels in de bouwsector

Met ecolabels wordt beoogd bouwmaterialen of bouwprocessen een objectieve milieureferentie te geven die ontwerpers, aannemers en opdrachtgevers helpt...



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Samenwerken

Een eco-responsibility partnership met de klant

Om de ontwikkelingen op het vlak van eco-responsibility en de behoeften van ondernemingen in kaart te brengen, treedt ENCI in dialoog met de klant...



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Eco-responsibility Carbon Compensation

- We richten onze inspanningen op het verminderen van onze CO₂ uitstoot;
 - verminderen klinkeraandeel in product-mix,
 - inzet alternatieve grond- en brandstoffen,
 - efficiënte productie technieken,
 -
- er blijft altijd een onvermijdelijke CO₂-emissie verbonden aan de productie van portlandcementklinker.....
- ... voor klanten die dat willen kan de CO₂-emissie gecompenseerd worden ...

Carbon compensation

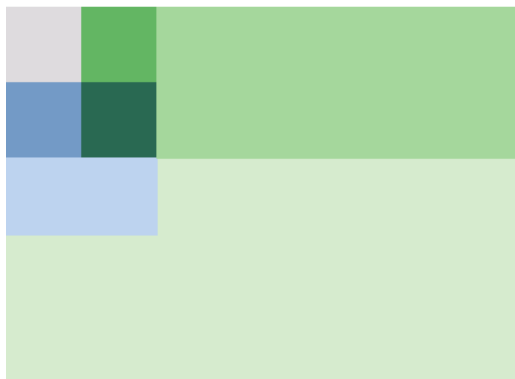


Initiatief voor CO₂-neutraal bouwen

06 september 2010

ENCI neemt binnen de cementindustrie het voortouw in een daadkrachtige ecoverantwoordelijke aanpak. Daarbij biedt het zijn partners de mogelijkheid CO₂-neutraal te bouwen.

Vragen en antwoorden: carbon offsetting – CO₂-neutraal bouwen



Waar gaat het initiatief CO₂-neutraal bouwen van CBR en ENCI over?

Het initiatief CO₂-neutraal bouwen gaat om de compensatie van CO₂-uitstoot gerelateerd aan de bouwfase van een constructie (CO₂-offsetting).

Voor wat betreft hun cementproductie en logistiek, stellen CBR en ENCI alles in het werk om de impact op milieu en klimaat zo veel als mogelijk te verminderen. We weten dat onze klanten en investeerders in de bouwsector ook hun impact willen verminderen. Het initiatief CO₂-neutraal bouwen is een eenvoudig en geloofwaardig alternatief om de huidige onvermijdelijke emissies te verminderen door de ondersteuning van gecertificeerde projecten met een positieve impact op het klimaat.



You could stop breathing – but there are more efficient ways to reduce CO₂ emissions.

A project's design can have a significant effect on its carbon footprint, and therefore on climate change. Energy demand – and energy efficiency – are critical factors in a building's design. To minimize CO₂ emissions, it's advantageous to use renewable energy. In several of our projects, the design has included on-site renewable energy generation – which may come from solar or geothermal sources – saving energy as well as money. After all, the sun doesn't send invoices, and the cost of providing one unit of solar energy by the sun is constant, even if we have not yet found a really efficient way to trap it for use.

A project's design can help reduce the impact of CO₂ in other ways. Roads can be designed to improve traffic efficiency, thereby reducing emissions.

In all projects, careful material selection can help reduce emissions. The use of low-carbon concrete, low-temperature asphalt and locally produced materials, to name just a few, can all lower the CO₂ emissions. Another approach is to optimize the design to use less material and to use more efficient ways of handling materials, such as reusable packaging that reduces waste, transportation and hence CO₂ emissions.

■ Carbon Neutral Products



It's natural to fly carbon neutral.
You can now offset your carbon emission every time you fly with Qantas.
For details visit qantas.com/flycarbonneutral



British Airways

Examples

BRITISH AIRWAYS Buy travel

> Home

1 Dates 2 Flights 3 Price 4 Passengers 5 Payment 6 Confirmation

Your price quote

Your shopping basket Flight: Departing Brussels, 23 Nov 2010

Total price (Euro, EUR, €) €152.81

> Got a promotion code?

Check your flight itinerary details

Outbound - Tuesday 23 Nov, 2010						
✈	10:00 23 Nov	10:15 23 Nov	Brussels	Heathrow (London)	BA0391 British Airways	Euro Traveller

€152.81

> Currency calculator

Inbound - Thursday 25 Nov, 2010						
✈	17:40 25 Nov	19:50 25 Nov	Heathrow (London)	Brussels	BA0404 British Airways	Euro Traveller

Email price quote

> Change flights

Flight Options

Offset the carbon emissions for these flights

You can help minimise the impact of your flying by offsetting your carbon emissions. The total carbon emissions from your itinerary are 0.130 tonnes and the cost of offsetting your emissions is €1.73.

Our carbon offsetting programme is government approved and your money will go towards UN certified emission reduction projects.

* Please be aware that once your carbon offset contribution is paid, it cannot be refunded.

> More information on carbon offsetting

The total cost to offset these emissions is

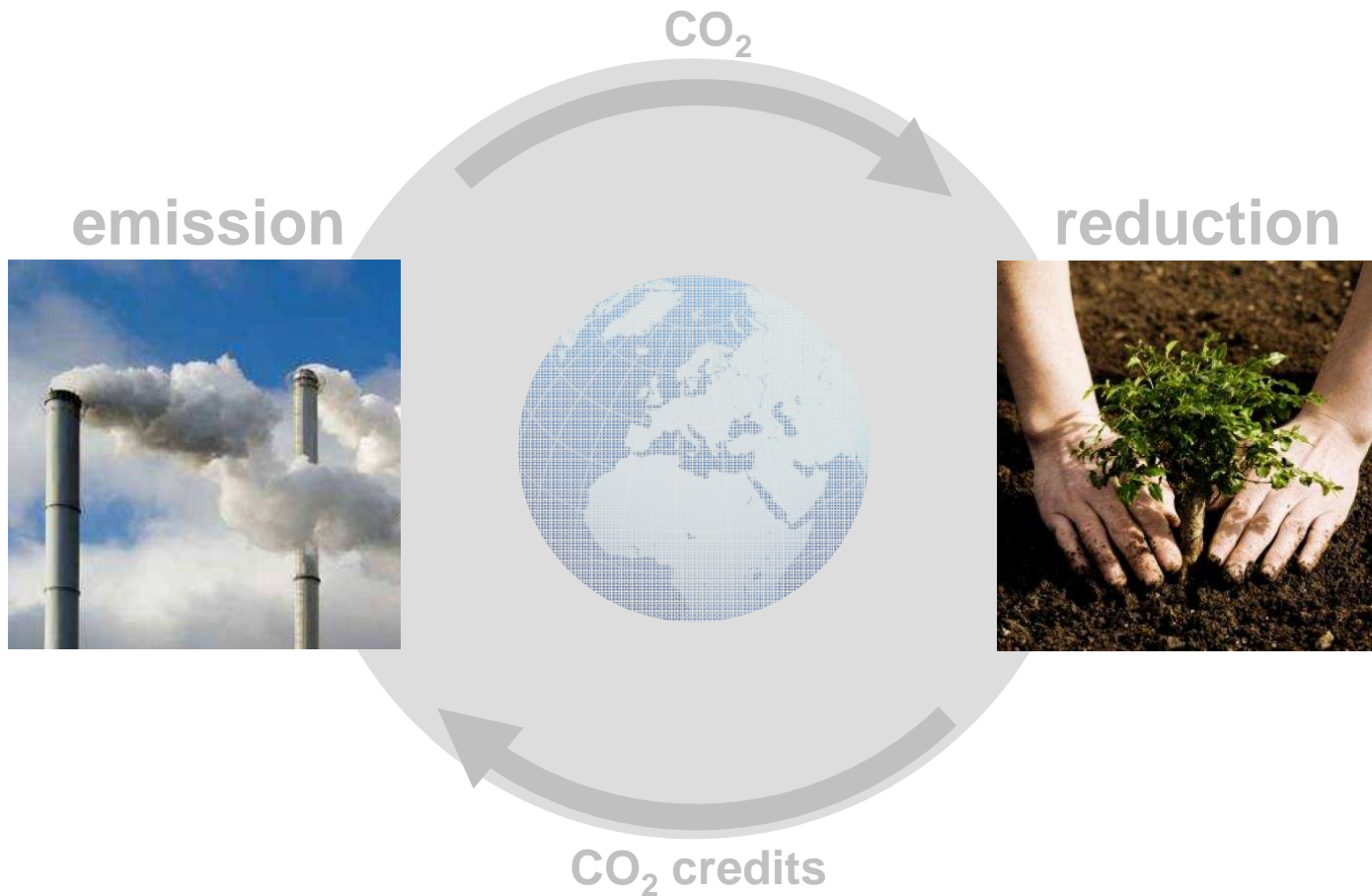
€1.73 *

> How is this calculated?

Add carbon offset

Carbon offsetting

How does it work?



Carbon neutral products

Examples

Plant a tree
by telling us about your
Earth-friendly preferences



Take our survey

Keep up with UPS
Subscribe to UPS
e-mail updates



Sign up

Check our credentials

Read about the companies
who validate us



Verified

UPS carbon neutral, a
voluntary system for tracking
and offsetting the carbon
impact of UPS shipments.

www.climatechange.sgs.com



A greener way to ship



UPS carbon neutral shipping

For as little as five cents more per package, gain more control over your climate impact with UPS carbon neutral shipping, a UPS shipping service that offsets the carbon dioxide (CO₂) associated with the packages it transports.

Ship carbon neutral

Package shipping you can feel
good about

Projects that positively impact the
planet



Carbon neutral products

Examples

The screenshot shows the Colorcoat-online website interface. At the top left is the Corus logo. The main navigation bar includes links for Home, Company, Products, Services, Sustainability, Technical, Colour, and Projects. On the right of the navigation bar are Login and Register buttons. A search bar is located at the top right. The main content area features a sidebar on the left with a 'Products' menu and a list of links related to Confidex Sustain, including 'Guarantees: Confidex® & Confidex Sustain®', 'Confidex Sustain®', 'Key benefits and features of Confidex Sustain®', 'Applying for Confidex Sustain®', 'Supporting Confidex Sustain®- EPD's', 'Corus commitment to reducing emissions', 'The CarbonNeutral Company', 'Our partners', 'Confidex® Guarantee', 'Questions to ask your guarantee provider', and 'Understanding guarantees'. The main content area is titled 'Confidex Sustain®' and includes a photograph of a modern industrial building with a white facade and large windows. Below the photo is the text: 'Technically credible Confidex Sustain®. A combined guarantee that covers the durability of the Colorcoat® pre-finished steel product and makes the pre-finished steel building envelope CarbonNeutral- the first in the world. Corus is able to offer Confidex Sustain® zero carbon building envelope systems because we have full traceability and composition information for all elements of the pre-finished steel and cladding system. Unavoidable CO2 emissions from the pre-finished steel cladding system including fixings and insulation are measured from cradle to cradle and the impact offset. Available when Colorcoat HPS200® Ultra and Colorcoat Prisma® are specified as part of a Colorcoat® assessed cladding system, Confidex Sustain is about more than just off-setting. Our aim is to encourage specification of the most sustainable pre-finished steel products and cladding systems.' To the right of the main content area, there are three additional sections: 'Colorcoat Connection® Helpline' with phone numbers for the UK (+44 (0) 1244 89 24 34) and IRE (+353 (0) 1297 3365), a link to 'Or click here to contact us', 'Confidex Sustain® brochure' with a thumbnail image of the brochure and a 'Go there' link, and a 'Downloads' section with a link to 'Confidex Sustain® brochure'.

Carbon offsetting

In the building sector

The world's first carbon-neutral city

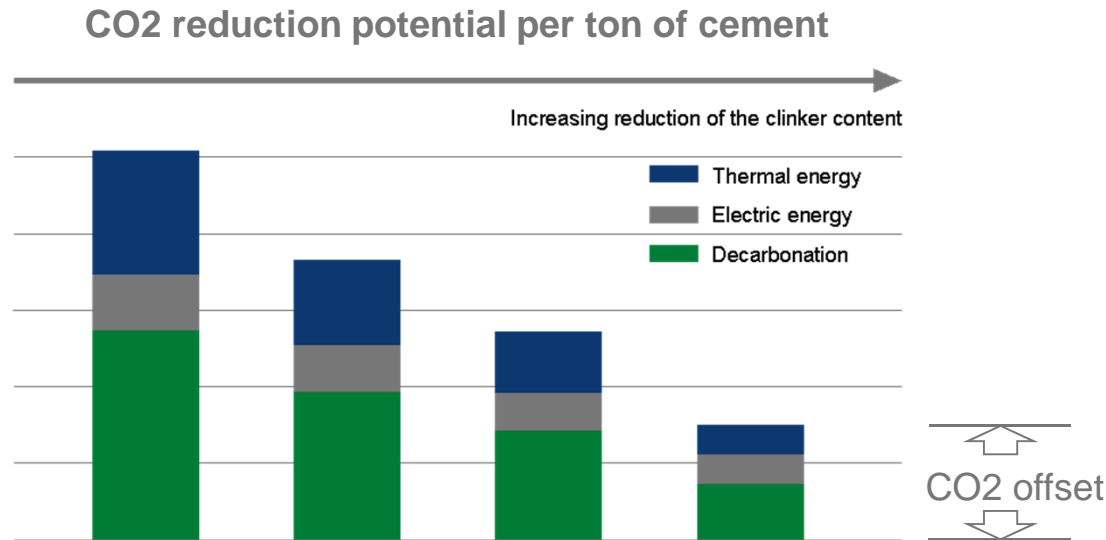
The United Arab Emirates (UAE) has just officially unveiled its plans to build the world's first carbon-neutral city. Situated on Abu Dhabi's desert ...



carbon
neutral
(compensated)
building products

Carbon offsetting

Cement and Concrete?



→ investment in emission reduction projects
(e.g. solar power)



Carbon offsetting

Pilot project HC Benelux

The Global Environmental Sustainability monthly Newsletter

April 2010

■ building on
■ sustainability 

HEIDELBERGCEMENT

> Sustainability



A carbon neutral initiative for customers of HeidelbergCement Benelux

HeidelbergCement works hard to reduce the climate impacts of its cement production and logistics. This is also true for HC Benelux. And its customers follow the same trend. Together with Global Environmental Sustainability, the marketing departments of HC Benelux developed a CO₂ offsetting programme.

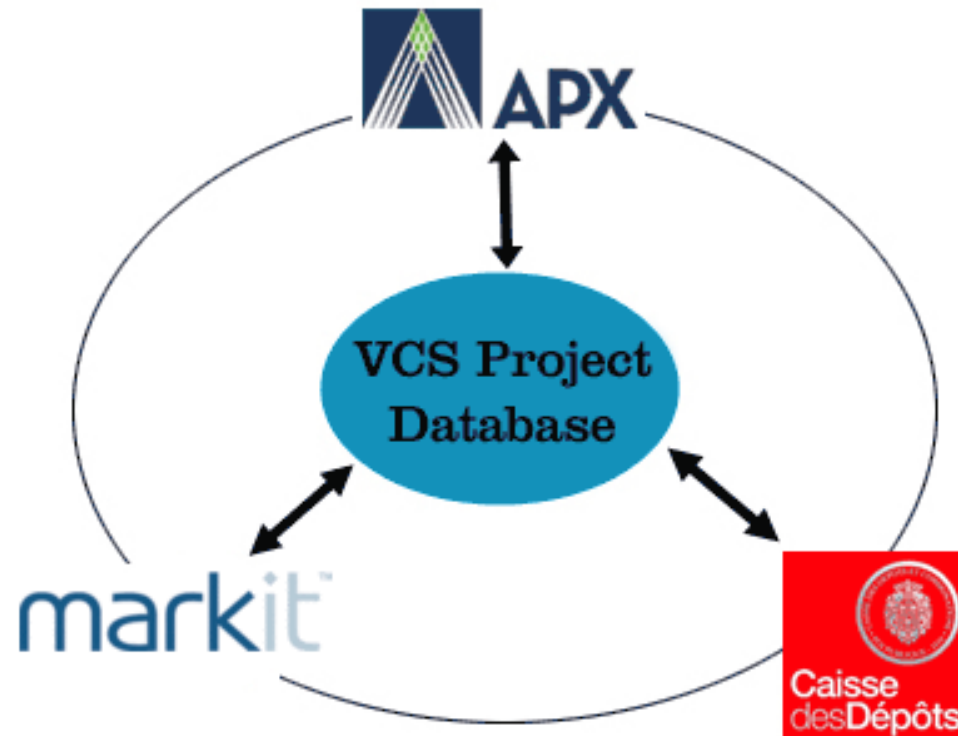
The "HC Benelux carbon neutral initiative" is an easy and credible way to go beyond the emission reductions that are feasible today by supporting certified projects that have a positive impact on the climate. In Benelux countries, HeidelbergCement purchases CO₂ credits to give its customers a way to "offset" the emissions related to the construction of a building or infrastructure. Offset credit will be "invested" in projects which comply with the strictest environmental standards and with a particular focus on renewable energy like wind, solar or biomass.

This offset system is the first programme of this type within HeidelbergCement Group. It can easily be proposed to the market in all countries where our Sales & Marketing departments would consider it as a market opportunity.

[> Read more](#)

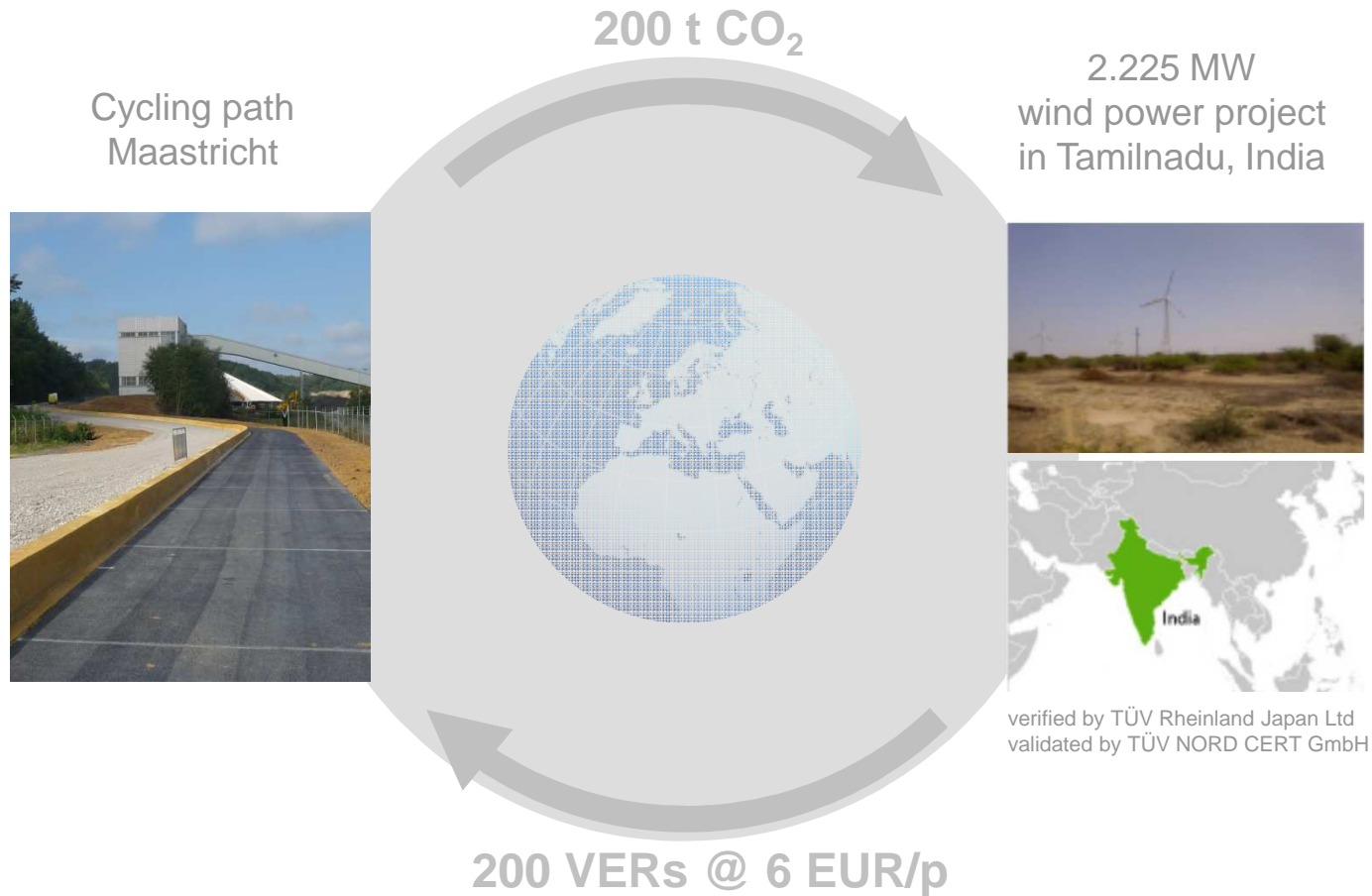
Carbon offsetting

The voluntary Carbon Standard (VCS)



Carbon offsetting

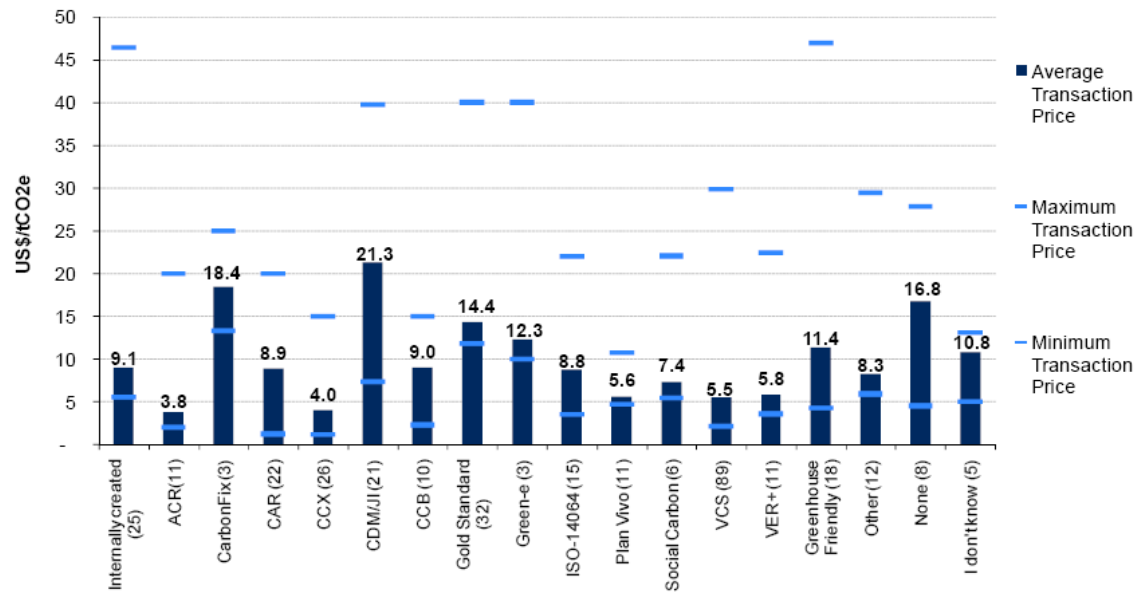
Pilot project HC Benelux



Carbon offsetting

The cost

Credit Prices and Price Ranges by Standard, OTC 2008



estimate today

- 1t cement = 0,4 – 0,9 t/CO2e → 1 – 3 Euro
- 1m³ concrete = 0,2 – 0,3 t/CO2e → 0,5 – 0,7 Euro

