CarbonNeutral® certification from Natural Capital Partners

How to make CarbonNeutral certification work for your business

1 Who are Natural Capital Partners

2 What is CarbonNeutral® certification?

3 How does CarbonNeutral® certification work?

4 Certification explained

5 Project types

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NATURAL CAPITAL PARTNERS

Who are Natural Capital Partners?

It starts with our clients.
Visionary companies with ambitious goals.

Serving more than 500 clients in 56 countries, we are specialists in delivering climate finance and carbon neutrality solutions.

We have more than 20 years' experience working with our clients to develop industry-leading programmes that make a measurable impact.

We lead our industry to deliver innovative climate finance solutions for our clients

1997
Company founded

2002
The CarbonNeutral Protocol launched to deliver credible claims of CarbonNeutral® certification

2008
Established best practice in the industry by co-founding ICROA

2011 to 2020
Winner of Environmental Finance's Best Offset Retailer award for 10 consecutive years; winner of Best Advisory Service since 2017

2015
Microsoft wins UNFCCC Momentum for Change award for carbon neutral programme with Natural Capital Partners

2017
Two clients: M&S and Fetzer win UNFCCC Momentum for Change awards

2015 to 2018
Delivering renewable energy solutions for global operations: largest transactor of I-REC globally

Opening new renewable energy markets, e.g. Philippines, Israel, Uganda,

2018
On the Advisory Committee for SD VISta to measure and verify project sustainable development impacts

Submitting some of the first projects for validation under Gold Standard for the Sustainable Development Goals

2018 to 2021
Leading work with ICROA, IETA, WWF, CDP and other civil society groups on how the voluntary carbon market can contribute to delivery of the Paris Agreement goals and Sustainable Development Goals

2019
Founding partner of Verra's 3R plastics alliance

2021
Joined The Climate Pledge to be net zero by 2040

CarbonNeutral selected by Amazon as a Climate Pledge Friendly trusted certification

2021
Natural Capital Partners merges with ClimateCare to form world-leading Voluntary Carbon Market Group

Our commitment to quality goes beyond standards

We continuously work with our project partners to understand the latest impacts of their projects, both on emission reductions and sustainable development goals.

Our programs are underpinned by a comprehensive due diligence process, which includes a step-by-step analysis and questionnaire to evaluate project risks.

We've been recognised as Best Offset Retailer by Environmental Finance for 10 years running and Best Advisory Service for the last four years.

- As co-founders of the International Carbon Reduction and Offset Alliance (ICROA), we have led the way in setting standards of quality for our industry and we are now chairing ICROA as it evolves for a new post-Paris era of climate finance. We comply with the ICROA Code of Best Practice through an annual audit.
- We are on the Board or Advisory Forum to the organizations that set standards for quality and impact: SDVista Advisory Forum, 3R Initiative Advisory Forum, RECs International Board, and the Verra Blue Carbon Working Group.
- Through our external affairs program we work with NGOs and industry bodies to share the latest developments in policy and insights on best practice with our clients, through webinars, briefings and papers.

We deliver sustainability strategies that create environmental, social and business value

As a leading provider of carbon neutrality and climate finance solutions, we are the ideal strategic partner to companies taking climate action.

Exceptional client service

Global expertise

Highest quality standards

Reputational integrity

Tailored approach

Simplicity

Innovative programme design

Carbon offsets

Carbon neutrality

Project development

Renewable energy

Net zero

High-impact project portfolios

Natural climate solutions

Health and livelihoods

Sustainable infrastructure

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What is CarbonNeutral® certification?

Carbon neutral: A current state which is achieved when the GHG emissions associated with an entity, product or activity are reduced and offset to zero for a defined duration.

CarbonNeutral® certification: The process by which a client receives recognition that it has met the provisions of The CarbonNeutral Protocol for a specific subject.

Source: **CarbonNeutral Protocol, 2021**

What is CarbonNeutral® certification?

Our CarbonNeutral® certification is the global standard launched and managed since 2002 to deliver clear, conclusive and transparent carbon neutral programmes.

The CarbonNeutral Protocol provides a pragmatic, business-focused framework for carbon neutral action of the highest quality. It is reviewed annually according to the latest science and best practice. Companies can reference it to demonstrate the credibility and transparency of their programme.

This streamlined approach gives you all the integrity and credibility of the global standard for carbon neutral action, combined with an efficient, cost-effective process, and a package of support to tell your audiences about your achievement.

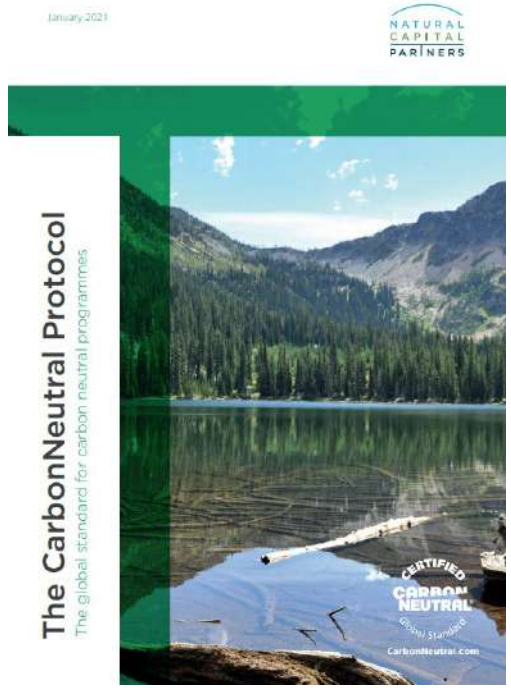
CERTIFIED CARBON NEUTRAL® company CarbonNeutral.com

CERTIFIED CARBON NEUTRAL® product CarbonNeutral.com

CERTIFIED CARBON NEUTRAL® office CarbonNeutral.com

CERTIFIED CARBON NEUTRAL® business travel CarbonNeutral.com

CERTIFIED CARBON NEUTRAL® fleet CarbonNeutral.com



[The CarbonNeutral Protocol]

These are three of the reasons why carbon neutrality has become a key pillar of corporate climate action.

1. Clear and understandable action to strengthen your license to operate

- Gives clarity to staff, customers and other stakeholders by taking climate action for all of your carbon emissions because it is a long-established concept

2. Immediate action

- Not a distant target, it's action today, supporting the transition to a low-carbon economy by financing sustainable development projects

3. Drives internal emission reductions

- Changes "business as usual" by putting a real price on every tonne of carbon emissions into the budget

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How does CarbonNeutral® certification work?

How does it work?

Step 1: Define

Understand exactly what should be covered in your footprint

Step 2: Measure

Calculate the footprint accurately and conservatively

Step 3: Target

Set goals to reduce the footprint you defined and offset all remaining emissions

Step 4: Reduce

Deliver internal reductions and offset all remaining emissions through financing verified emission reductions and removals

Step 5: Communicate

Demonstrate your climate action and engage your teams, customers and stakeholders

carbonneutral.com

Options for the assessment period and certification period

CarbonNeutral® certification can be based on actual 2021 emissions assessment. The certification contract contains a provision that requires a reconciliation of actual emissions. Once an initial assessment is complete previous year actual emissions will be used as the estimate for new certification period and the assessment and reconciliation process repeats as long as the company is certified.

Option A: certification and assessment terms are the same

CarbonNeutral® certification period:

1st Certification	Renewal #1	Renewal #2

GHG assessment period:

Calendar Year 2020	Calendar Year 2021	Calendar Year 2022

- 1st certification is based on estimated emissions
- Renewals will be based on previous year finalized emissions and include any true ups
- True up volumes will be known when the assessment is completed.

Option B: certification is based on assessment from previous calendar year (most common)

CarbonNeutral® certification period:

1st Certification	Renewal #1	

GHG assessment period:

Calendar Year 2019	Calendar Year 2020	Calendar Year 2021

- 1st certification is based on estimated or actual emissions
  - You could sign contract in middle of 2020 once the 2019 GHG assessment is complete and elect to have certification start on Jan 1 2020
- Renewals will be based on previous year finalized emissions and include any true ups required from previous years.

Option C: certification starts 9 months after last date of assessment

CarbonNeutral® certification period:

1st Certification Sept - Aug	Renew

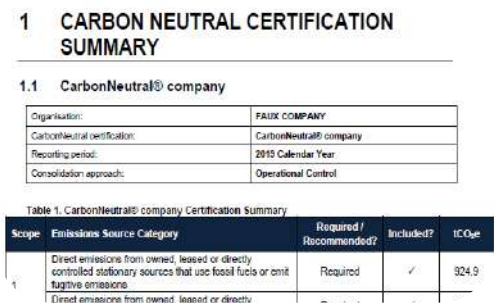
GHG assessment period:

Calendar Year 2019	Calendar Year 2020	Calendar Year 2021

- 1st certification is based on completed assessment from previous calendar year
- Renewals will be based on finalized emissions from previous calendar year.

Our streamlined process makes it simpler to become certified as CarbonNeutral®

What does the £5,000 + applicable VAT*** annually Core Client Package include?



1 CARBON NEUTRAL CERTIFICATION SUMMARY

1.1 CarbonNeutral® company

Organisation:	FAUX COMPANY
CarbonNeutral certification:	CarbonNeutral® company
Reporting period:	2013 Calendar Year
Consolidation approach:	Operational Control

Table 1. CarbonNeutral® company Certification Summary

Scope	Emissions Source Category	Required / Recommended?	Included?	tCO_2e
1	Direct emissions from owned, leased or directly controlled stationary sources that use fossil fuels or emit fugitive emissions	Required	✓	924.9
1	Direct emissions from owned, leased or directly			

A carbon footprint assessment

- This usually takes between 4 and 12 weeks, dependent upon the availability of company data.
- Core Clients package includes the assessment of one office.

CERTIFIED CARBON NEUTRAL® company

CarbonNeutral.com

CarbonNeutral® certification

- The cost may vary depending on the size of your footprint and type of certification. ***

Your project selection

- Standard certification covers 150-450 tonnes depending on project selection

Communications

- Supported with a range of communications materials to help you tell your staff, customers and other stakeholders about your commitment to climate action.

Next Steps

Calculate estimated emissions

- As a guide, we would normally expect emissions to be in the range of 5 tonnes to 10 tonnes per employee.

Send through your preferences & confirm the following;

- Project selection
- Assessment period
- Certification period
- Total number of employees

Natural Capital Partners provides contract details and sends through for approval

Certification programme launched on preffered start date.

Assessment kicked off

Answers to some commonly asked questions

It’s great that you’re committed to taking climate action and inspiring others. Here are the answers to some commonly asked questions regarding this programme.

For our core clients, the starting price for CarbonNeutral® certification is **£5,000**.

- This includes an assessment cost of £2,500, your carbon credits, and a certification fee.
- If your footprint is slightly larger, you will receive a bespoke quote (without a certification fee).
- If your footprint is slightly smaller and you’d like to become certified, the minimum cost remains at £5,000 including the certification fee.
- If your footprint is much smaller, you may choose to simply offset your emissions without becoming CarbonNeutral certified. If you’d like to offset without certification, you must purchase a minimum of 100 tonnes, selected from the projects detailed in this document. With the offset-only option, you must cease use of the CarbonNeutral® certification logo.

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Certification explained

Step 1: Define

Identify the right certification for your company, product or service

CarbonNeutral.com

CarbonNeutral.com

Microsoft

825,000
Xbox consoles

HP

Tango Terra
home-printing system

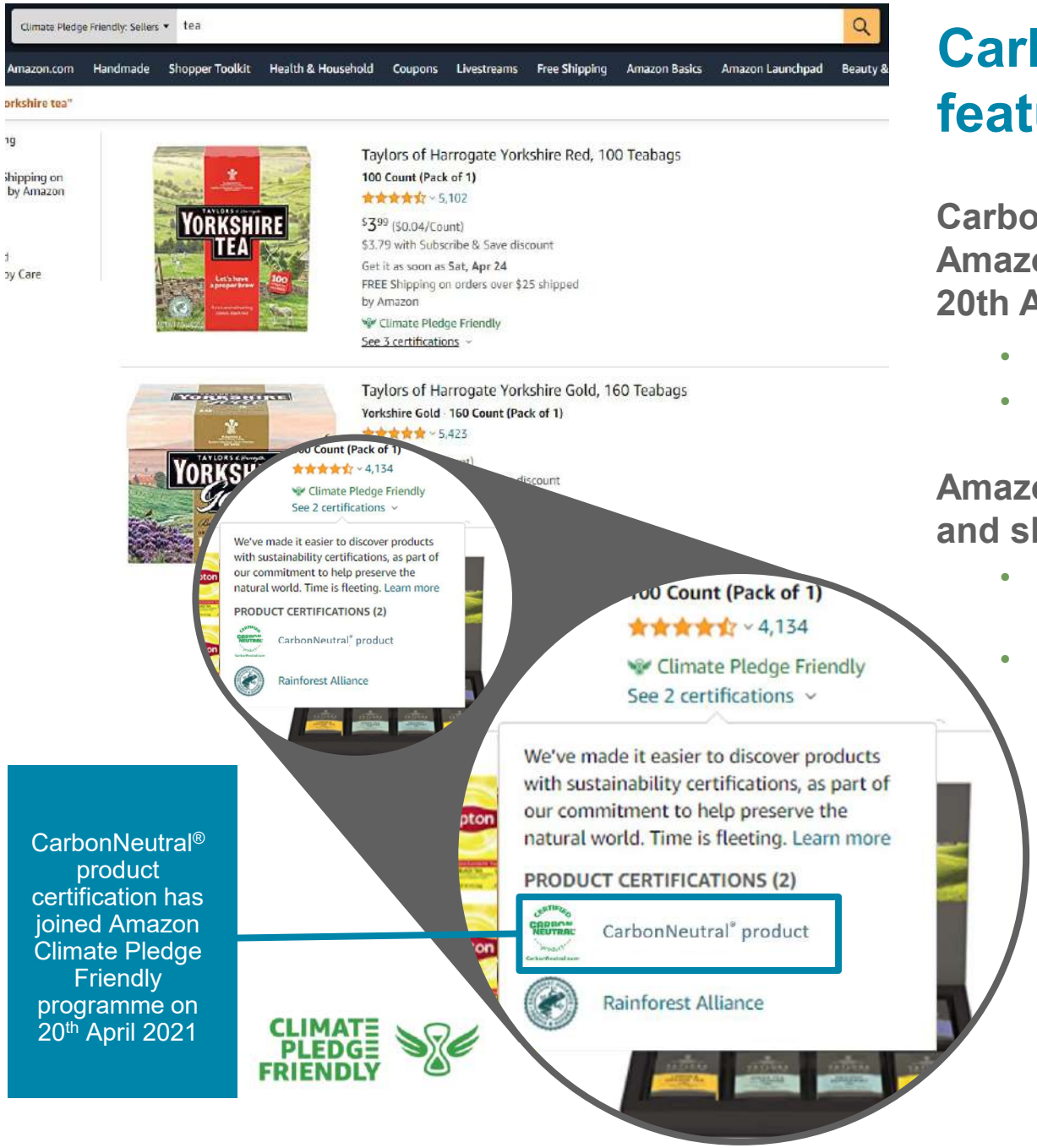
Yorkshire Tea

6,000,000
teabags annually

Entity Certifications	Product Certifications	Activity Certifications
Building	Development/Fit-out	Business travel
Office space	Electricity	Cloud services/Hosting
Venue	Packaging	Delivery/Shipment
Company	Paper/Publication	Driving/Fleet
Organisation	Product	Electricity supply/use
Manufacturer	Usage	Energy use
Couriers	Product-as-a-service	Event/Exhibitor
Data centres		Flights
Department		Gas supply/Gas use
Division		Hotel stay
Office		Print production
Hotel		Production
Operations		Service
		Voyages

Source: Page 34 of the Carbon Neutral Protocol

CarbonNeutral® products can be featured on Amazon



CarbonNeutral® product certification has joined Amazon Climate Pledge Friendly programme on 20th April 2021

CarbonNeutral® product certification has been selected by Amazon's Climate Pledge Friendly programme and launched 20th April 2021.

- Certification has been recognised by this leading climate programme
- Many of the world's consumers see the certification logo as they shop on Amazon.com

Amazon launched the programme to help customers discover and shop for more sustainable products.

- To qualify for Climate Pledge Friendly a product must be certified by one of the certifications included in the programme.
- Customers searching for products on Amazon see the Climate Pledge Friendly label on eligible products and can click on the certification to learn more.

CERTIFIED CARBON NEUTRAL product

CarbonNeutral.com

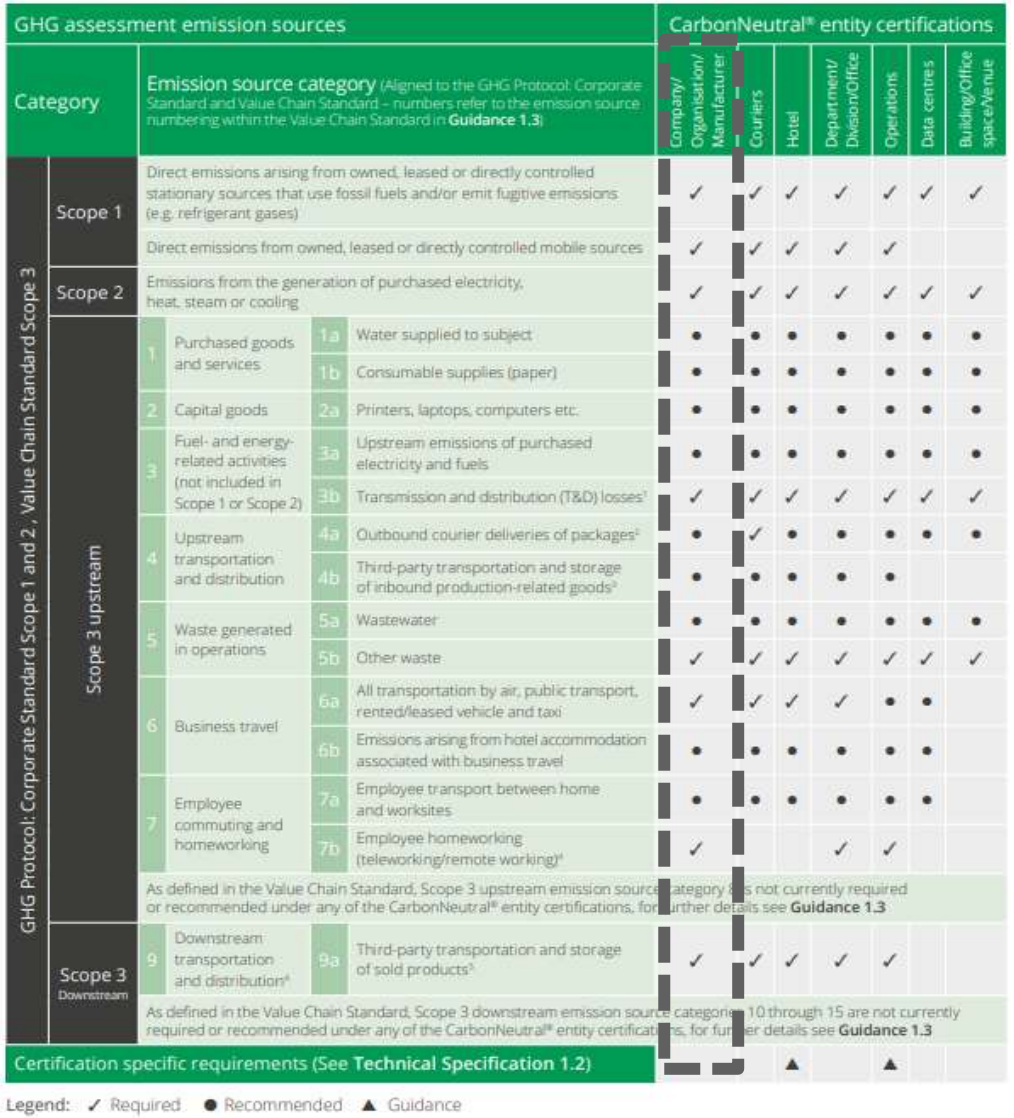
CarbonNeutral product by Natural Capital Partners measures all the emissions created in their manufacture, makes internal reductions and offsets the remainder.

Step 1: Define & Set what emissions must be counted

The table below shows the required emissions sources for CarbonNeutral® company certification; all other certifications are described in The CarbonNeutral Protocol as illustrated on the right.

Required emission sources include:

Scope	Emissions source	
Scope 1	Direct emissions arising from owned, leased or directly controlled stationary sources that use fossil fuels and/or emit fugitive emissions	
	Direct emissions from owned, leased or directly controlled mobile sources	
Scope 2	Emissions from the generation of purchased electricity, heat, steam or cooling	
Scope 3	Fuel and energy related activities	Transmission and distribution losses
	Waste generated in operations	Other Waste
	Business travel	All transportation by air, public transport, rented/leased vehicle & taxi
	Employee commuting and homeworking	Employee homeworking (teleworking/remote working)
	Downstream transportation and distribution	Third-party transportation and storage of sold products



Step 2: Measure

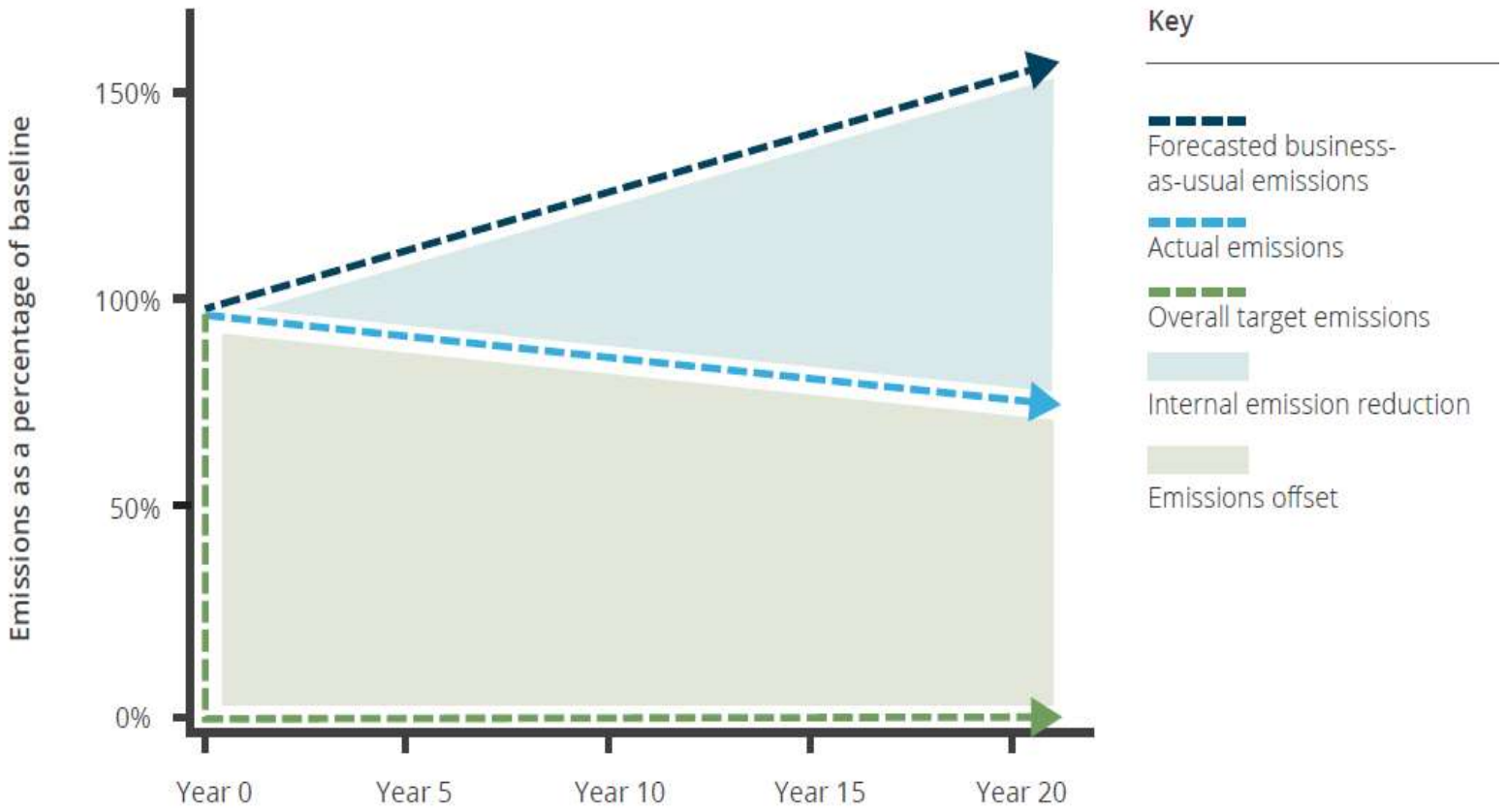
How do we calculate your emissions?	Your assessment will be conducted by one of our independent assessment providers; we'll select the assessor who is most suited to your company type, size, and location. The assessor will let you know what data needs collecting, based on the requirements of The CarbonNeutral Protocol, and will calculate your total emissions. Our Carbon Footprint Manager will support you throughout the process.	
What will the assessment process incorporate?	• Assessment kick-off between customer, Natural Capital Partners, and third-party assessor • Provision of a customised data collection form by third-party assessor • Provision of necessary data by customer • Support provided by company on an as-needed basis • Review of data and clarifying questions from third-party assessor • Analysis of results by company and third-party assessor • Delivery of a Greenhouse Gas Assessment Report	
How long does the assessment process take?	This usually takes between 4 and 12 weeks, entirely dependent upon the availability of customer data.	
How often do I have to certify and is it an annual fee?	**Entity and activity certifications** The certification lasts for one year and renewals (including costs) take place annually.	**Product certifications** The assessment is valid for up to five years while the certification lasts for one year and renewals (including costs) take place annually.

Step 3: Target

Setting a target

To receive CarbonNeutral® certification a business commits to reduce greenhouse gas emissions to zero for the certification period.

Over time, as more internal reductions are achieved, the gross emissions may decrease, making it easier to get to the carbon neutral target.



Source: https://carbonneutral.com/images/uploads/images/target-graphic2.PNG

Step 4: Reduce

Achieving CarbonNeutral® certification includes internal and external reductions. We work with you to identify and deliver the best external emission reduction projects and the best renewable energy options.

Internal reductions:

You deliver internal emissions reductions such as energy-efficiency programmes or changes to business travel.

Emissions reductions projects:

We work with you to identify and deliver the external emission reduction projects that work best for your business and reduce your emissions to zero.

Gas Distribution Leak Reduction, Bangladesh

Sustainable Infrastructure

Solar Water Heating, India

Health and Livelihoods

Improved Water Infrastructure, Sub-Saharan Africa

Health and Livelihoods

Acre Amazonian Rainforest Conservation

Natural Climate Solutions

Peatland and Forest Conservation REDD+ Portfolio

Natural Climate Solutions

Step 5: Communicate

We use our decades of experience to support you to provide a clear and credible message to your stakeholders to drive business value.

We help CarbonNeutral® certified companies to deliver compelling, credible stories about the quality of their action and its importance with:

- A logo and accompanying guidelines for its usage
- A certificate
- A communications pack with advice on engaging internal and external audiences about your climate action.

Press release: Oliver Wyman Achieves CarbonNeutral Status

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Project types

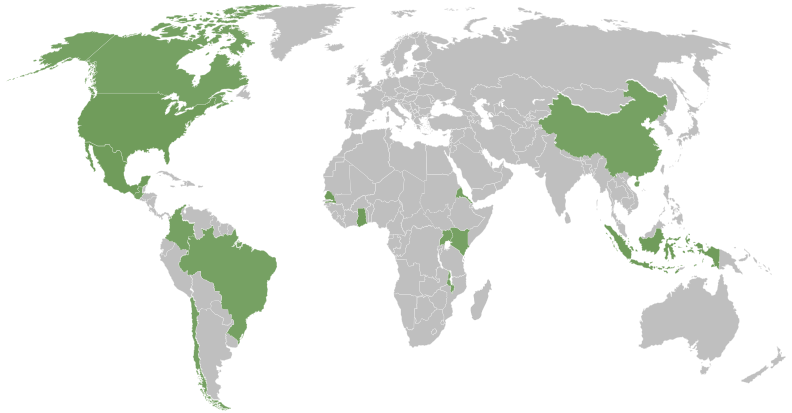
Select to support a project from one of three project types

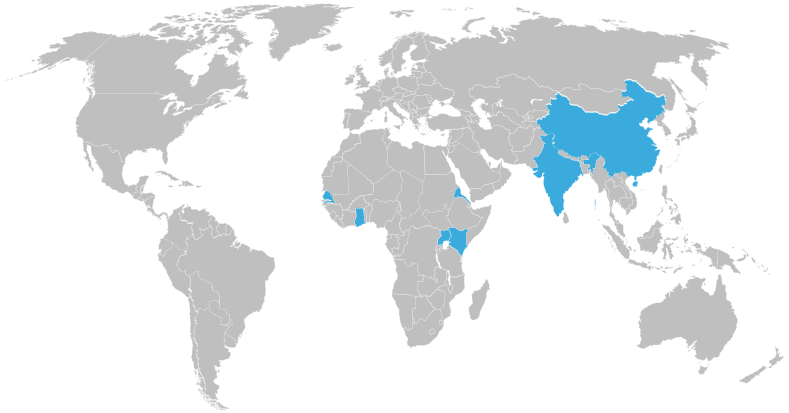
Natural Climate Solutions

Health & Livelihoods

Sustainable Infrastructure

Choose from a selection of global projects





Natural Climate Solutions

Project Name	Unit Price(tCO2e)
Acre Amazonian Rainforest Conservation REDD+ Portfolio, Brazil	£12.50
Darién Conservation REDD+ Portfolio, Colombia	£12.50
Community Reforestation, Ghana	£25.00
Darkwoods Forest Conservation, Canada	£15.00
Grasslands Portfolio, USA	£17.50
Kulera REDD+ and Cookstoves, Malawi	£12.50
Rimba Raya Biodiversity Reserve REDD+, Indonesia	£12.50
Sustainable Rubber Tree Reforestation, Guatemala	£15.00
Teak Afforestation, Mexico	£15.00
Degraded Land Afforestation, Chile	£15.00

Health & Livelihoods

Project Name	Unit Price(tCO2e)
Domestic Energy Systems, India	£11.50
Improved Water Infrastructure, Sub-Saharan Africa	£15.00
Rural Clean Cooking, India	£11.50
Sichuan Household Biodigester, China	£8.00
Solar Water Heating, India	£11.50

Sustainable Infrastructure

Project Name	Unit Price(tCO2e)
Foam Blowing Agents (HFC), USA	£7.50
Gas Distribution Leak Reduction, Bangladesh	£5.50
Renewable Energy Portfolio, Global	£5.50
Delhi Electric Rail Systems	£5.50

Forestry and land use projects

Natural Climate Solutions

Natural climate solutions remove carbon emissions through forest and grassland conservation and tree planting. Each project supports an abundance of wildlife and enhances the lives of people who depend on these biodiversity-rich landscapes for their livelihoods.

- Forests and peatlands
- Working forests
- New forests
- Grasslands
- Mangroves

Deforestation in Brazil accounted for 30% if the global total decline in forest area between 2015 and 2016

Acre Amazonian Rainforest Conservation REDD+ Portfolio, Brazil

Project type: Agricultural, forestry and landscapes
Region: Latin America **Standards:** REDD+, VCS, CCB-Gold

Description

90% of Brazil's Acre state is forested, but current rates of destruction mean by 2030 this could decline to 65%. This collection of three projects aims to prevent deforestation across more than 100,000 hectares of pristine rainforest in the Amazon basin, protecting some of the world's most biodiverse habitats. With the support of carbon finance, the projects work with communities and local groups to help enhance ecosystem services and develop conservation-based agricultural practices which avoid destruction of the forest.

Sustainable Development Goals In addition to delivering approximately 360,000 tonnes of emission reductions each year to take climate action (SDG 13), the project delivers a number of other sustainable development benefits. These include:

- **Life on Land:** The mitigation of deforestation in Acre protects the most vulnerable and endangered species, as the project area is inhibited by eight endangered (IUCN) species
- **Zero Hunger:** Yields have increased after families were trained and will continue to have access to courses on how to grow bananas, chickpeas, cassava and corn; artisanal processing of fish; rearing organic pigs; and using rotational cattle pastures.
- **Good Health and Well-being:** The project has facilitated doctor visits from local towns on a periodic basis and has refurbished or built four local health clinics.

The projects are managed by local communities, and seek to benefit the poorest communities in the region.

Darién Conservation REDD+ Portfolio, Colombia

Project type: Forestry and landscapes
Region: Latin America **Standards:** VCS and CCB

Description

The Darien-Antioquia region, extending from Eastern Panama to the Colombian Pacific coast, is one of the most biologically diverse areas in the world. Implemented with indigenous and afro-Colombian community groups, who own the land, the projects aim to prevent deforestation through a combination of forest protection and sustainable development activities. Working with local communities, the projects reduce community dependence on unsustainable timber extraction and unsustainable agricultural practices such as cattle ranching, by providing individual property titling, training and workshops to develop new skills and capacity, and developing sustainable farming techniques for improved livelihoods.

Sustainable Development Goals In addition to delivering emissions reductions to help take urgent action to combat climate change (SDG 13), the projects deliver a number of other benefits:

- **Life on Land:** Conserving forest provides habitat for endangered species and supports a thriving habitat for native flora and fauna.
- **Quality Education:** The projects have implemented an educational strategy through workshops and training to improve skills, build capacity and increase knowledge about the environment and sustainable production.
- **Gender Equality:** Women are involved in the decision-making of the projects are included in training programmes and hold positions in the projects' management.

Community Reforestation, Ghana

Project type: Agricultural, forestry and landscapes
Region: Africa **Standards:** VCS

Description

The project is restoring degraded forest reserves in Ghana with teak, indigenous trees and natural forest in riparian buffer zones, following the principles and criteria of the Forest Stewardship Council (FSC). The areas have been degraded due to overexploitation, bush fires and conversion to agriculture. The project works closely with local farmers some of who are employed by the project and others are able to grow crops, via intercropping, within the reforested area, benefitting from the improved soil conditions.

Sustainable Development Goals: In addition to delivering emissions removals to take climate action (SDG 13), the project delivers a number of other benefits including:

- **Decent Work and Economic Growth:** Over 1,000 jobs have been created, and more than 6,000 hectares of project land is available to local farmers for intercropping.
- **Gender Equality:** 40% of jobs created to be filled by women and 25% of the available areas for intercropping to be allocated to female farmers.
- **Clean Water and Sanitation:** Tree planting, particularly in the land near waterways, contributes to the improvement of the water catchment areas by improving the supply, consistency and quality of the water available. Additionally, sanitary infrastructure and boreholes have been installed in the local village of Kotaa.

Livelihoods will improve with more people receiving a stable wage and therefore also benefiting the local economy

Anticipated SDGs

Research by Project Drawdown found that the restoration of temperate forests is the solution with the twelfth largest potential to combat climate change between 2020 and 2050.

Darkwoods Forest Conservation, Canada

Project type: Forestry and landscapes
Region: North America **Standard:** VCS

Description

Located in south-eastern British Columbia, the project began in 2008 when approximately 55,000 ha (135,000 acres) of private inland temperate rainforest was purchased to protect it from subdivision and high-impact logging. The land is managed by clearly zoning and monitoring specific areas for: strict biodiversity protection by limiting or deactivating roads, infrastructure, and activity; public access; invasive species control; conservation research; and a low level of sustainable harvesting. The project leverages carbon finance to conserve critical ecosystems and carbon sequestration areas at an unprecedented scale.

Sustainable Development Goals The project delivers approximately 200,000 tonnes of emissions reductions annually to help take urgent action to combat climate change (SDG 13). In addition, the project delivers other sustainable development benefits including:

- **Life of Land:** Due to the history of conservation on the property, it is one of the most ecologically diverse forest areas in Canada. The project area is home to 39 confirmed species at risk including mountain caribou. The conservation of Darkwoods also protects the integrity of nearby protected lands, and helps to establish a corridor for a number of wide-ranging animals that smaller, fragmented pieces of land could not sustain, including grizzly bear and the only remaining mountain caribou herd in the region.
- **Clean Water and Sanitation:** Darkwoods plays a critical role in preserving freshwater systems throughout the mountainous region, influencing 17 separate watersheds, numerous streams and over 50 lakes.


© Sean Boggs for Environmental Defense Fund

The projects support rare and endangered birds, mammals, and flora.

Grasslands Conservation Portfolio, USA

Project type: Forestry and landscapes
Region: North America **Standards:** Climate Action Reserve

Description

Grasslands are an important and stable carbon sink and are described as the reverse of a rainforest, as 90% of its biomass is below ground in the long roots of the grass. The portfolio covers projects based in southeast Colorado and northeast Montana. By preserving grasslands, the projects lock carbon into the soil and avoid the emissions associated with converting grassland into croplands or other agricultural uses.

Sustainable Development Goals In addition to delivering emissions reductions to help take action to combat climate change (SDG 13), the project delivers other sustainable development benefits including:

- **Life on Land:**
  - In Colorado, the project is a home to rare, threatened, endangered and in some cases endemic flora and fauna such as swift fox and ferruginous hawk, burrowing owl, rare dwarf milkweed, long-horn cattle, grizzly bears, grey wolves and black footed ferrets. SPLT uses grazing animals such as native ungulates like bison, elk, deer, and pronghorn, to naturally maintain the health of the rangeland. With no hunting, commerce nor recreation on the property, these species are able to thrive.
  - Montana's Northern Great Plains encompass some of the largest and most significant native grasslands remaining in the United States. These areas support rare and declining grassland birds, wildlife such as pronghorn, mule deer, badger and swift fox.
- **Quality Education:** Southern Plains Land Trust (SPLT) allows public access to the property for educational purposes. Forty students in the fifth grade of the local public school, Las Animas Elementary, come and spend a day at SPLT annually to gain learn about botany, zoology, and geology.

Traditional cooking practices comprise 2-5% of annual greenhouse gas emissions worldwide.

Kulera REDD+ and Cookstoves, Malawi

Project type: Forestry and landscapes, household devices
Region: Africa **Standards:** VCS and CCB

Description

Through the combination of forest protection and the distribution of clean cookstoves, this project in Malawi is using carbon finance to deliver significant emission reductions, protect an important area of biodiversity value, and address the health risks of indoor air pollution. The project is targeting the conservation of approximately 170,000 hectares of forest and working with 45,000 households to reduce fuelwood use, develop sustainable livelihoods, increase community resilience to climate change, and promote biodiversity.

Sustainable Development Goals In addition to delivering emission reductions to take climate action (SDG 13), the project delivers a number of other benefits including:

- **Life on Land:** The area has a High Conservation Value since it surrounds three wildlife reserves and the project looks to address unsustainable land use.
- **Zero Hunger:** A critical part of the project's work is increasing agricultural output and resilience to climate change, while reducing hunting pressures. It has distributed livestock as a source of protein for farmers, including training on feeding and veterinary care.
- **Decent Work and Economic Growth:** Local enterprises are being developed based on sustainably harvested non-timber forest products such as honey, coffee, and macadamia.

From 2001 to 2018 Indonesia lost 25.6 Mha of tree cover, equivalent to 10.5 Gt of CO_2 emissions

Rimba Raya Biodiversity Reserve REDD+, Indonesia

Project type: Forestry and landscapes
Region: Asia **Standards:** VCS and CCB

Description

Based on the island of Borneo, the project preserves carbon-dense tropical peat swamp by halting deforestation of roughly 47,000 hectares of forest which were originally slated for conversion to palm oil. It focuses on both community development for the 2,500 households living in the area, and biodiversity conservation, particularly protection of the 105,000 endangered Borneo Orangutan. It actively engages local communities to improve food security, income, healthcare, and education, all with the support of carbon finance.

Sustainable Development Goals In addition to delivering emissions reductions, the project is the first to have been validated by SDVISta as contributing to all 17 SDGs:

- **Life on Land**: Indonesia has the largest number of threatened mammal species in the world and the fourth largest total across flora and fauna species types. With GPS-linked mobile phones, data is collected during field surveys for biodiversity monitoring.
- **Clean Water and Sanitation:** By minimising land use change, the project is helping to prevent downstream flooding. Through local partnerships it is also training communities to manufacture and sell inexpensive water filtration devices, to provide clean drinking water.
- **Industry, Innovation and Infrastructure:** The project is building news and radio communication facilities and community centres for project staff and the community.

Guatemala's tree cover has decreased 21% since 2000 according to Global Forest Watch.

Sustainable Rubber Tree Reforestation, Guatemala

Project Type: Afforestation/Reforestation
Region: Central America **Standard**: VCS

NATURAL CAPITAL PARTNERS

Description: This project removes approximately 50,000 tonnes of CO_2e annually by reforesting degraded farmlands in northern and southern Guatemala. Carbon finance enables sustainable rubber tree plantations to be an economically viable alternative to clear cutting forest land for cattle grazing or intensive crops like sugarcane. Several of the project areas are already Forest Stewardship Council (FSC) certified, and the additional project sites are seeking FSC certification to confirm all sites are managed in a way that preserves biological diversity and benefits the lives of local people and workers. All rubber trees planted are kept for an average of 40 years and at the end of their sap-producing life will be used for furniture production, instead of firewood, and the site will be replanted.

Sustainable Development Goals: In addition to delivering emissions removals and carbon sequestration to take climate action (SDG 13), the project delivers other benefits.

- **Decent Work and Economic Growth**: This project has created more than 300 jobs for the year-round maintenance of the rubber trees and while other plantations in the region pay informal daily rates below a living wage, this project pays a fair salary in line with Guatemalan National Legislation.
- **Life on Land:** In total, the project has restored 1,790 hectares of degraded land and increased the total share of forested area in the region. Satellite analysis confirmed that no forests existed for ten years prior to planting in the designated project areas.

Teak Afforestation, Mexico

Project type: Agricultural, forestry and landscapes
Region: Latin America **Standards:** VCS

NATURAL CAPITAL PARTNERS

Description

Located across the States of Chiapas, Nayarit and Tabasco, the project covers 4,270 hectares and will expand by an additional 1,200 hectares each year. This afforestation project creates plantations to obtain high-value, long-lived timber products and to sequester large amounts of carbon dioxide on land that is adjacent to cattle farming. This contributes to climate change mitigation while simultaneously meeting the growing demand for quality wood products from well managed plantation forests. The sustainable timber plan is for Teak, a species that has the best growth of tropical wood, and it has resistance to fire and pests. No irrigation will be used, since all of the water required by the plantation will be obtained through rainfall. The project seeks to demonstrate that forest plantations are a viable instrument to encourage private investment in the forestry sector and afforestation projects in local communities, especially on degraded lands.

Sustainable Development Goals: In addition to delivering approximately 390,000 tonnes of emissions removals each year to take climate action (SDG 13), the project delivers another benefit:

- **Decent Work and Economic Growth:** This project promotes tree plantation and afforestation activities in the local communities which provide employment opportunities which include social insurance.

Over its first 20 years, the project aims to sequester approximately 390,000 tCO_2e/year on average

Mycorrhizae are fungi that grow on trees' roots and enable plants to absorb additional nutrients and moisture from the soil.

Degraded Land Afforestation, Chile

Project type: Afforestation/Reforestation
Region: Latin America **Standards:** VCS

Description:

This innovative project applies natural soil microbes called mycorrhizae to improve the health and growth rate of trees planted across degraded lands in Chile. Carbon finance enables the adoption of the mycorrhizal technology to saplings while they are in nurseries, it also facilitates loans for landowners to do the initial planting. Approximately 6,000 hectares have been planted so far, working with 21 small and medium-sized landowners, who share the net profits from the sale of carbon credits with the project developer. In consultation with landowners and the Chilean state forestry department, three tree species were selected: Eucalyptus, Pine, and native Quillay Saponaria. To incentivise the continued involvement of landowners through income opportunities from timber, sustainable harvesting takes place 10-20 years after planting, at which point they are replaced with new saplings and the cycle continues.

Sustainable Development Goals: In addition to delivering emissions removals to take climate action (SDG 13), the project delivers additional benefits. The SDG contributions have been indicatively measured, but need to be confirmed by the project developers:

- **Quality Education:** Training in forestry methods, measurements and mapping. Facilitates access to technical advice and support services provided by government agencies.
- **Decent Work and Economic Growth:** Multiple jobs supported in nurseries and forestry operations, as well as the boost to the local economy from extra income for landowners.
- **Industry, Innovation and Infrastructure:** Local teams have been trained on the biotechnology of cultivating mycorrhizae appropriate for their localities.

Household device projects

Health & Livelihoods

Health & livelihoods projects boost livelihoods and create economic opportunity. Household solar lighting systems, improved efficiency cookstoves, biodigesters and water filters keep low-income families healthy by providing an affordable and clean source of energy. These projects enable time and money savings, improving quality of life for communities.

- Clean water & sanitation
- Cookstoves
- Household renewables

The project aims to establish an ecosystem for the dissemination and maintenance of integrated lighting and clean cooking technologies.

Domestic Energy Systems, India

Project type: Household devices
Region: Asia **Standard:** Gold Standard

NATURAL CAPITAL PARTNERS

Description

Traditionally, kerosene lamps are used in rural areas with limited access to electricity from the grid. Kerosene is often the only source of light, restricted to a single room, which restricts the daily activities of cooking or studying. Households are also using traditional biomass stoves or three-stone fires. This integrated domestic energy project distributes and maintains clean lighting and cooking technologies, providing access to clean and affordable cooking and energy services across India. Efficient forced-draft biomass cookstoves replace traditional and less efficient biomass cookstoves while the solar system provides lighting and a mobile charging facility. The system significantly reduces fuel costs while improving the household environment.

Sustainable Development Goals The project delivers emissions reductions to help take urgent action to combat climate change (SDG 13). In addition, the project delivers other sustainable development benefits including:

- **Good health and well-being:** The displacement of traditional three-stone fires and cookstoves with high efficiency and smokeless cookstoves reduces indoor air pollution and contributes to a healthier environment.
- **Gender equality:** Around 10,000 households benefit, bringing a new technology to rural women and access lighting in the evening which supports children's education.
- **Affordable and clean energy:** There are now 50,000 people with solar powered lighting and more efficient cooking, benefitting from energy and fuel savings.

The project has provided a total of 202 trillion litres of clean water

Improved Water Infrastructure, Sub-Saharan Africa

Project type: Water
Region: Africa **Standards:** Gold Standard

Description

At least two billion people worldwide do not have access to safely managed drinking water. This Gold Standard project, based primarily in Uganda and Malawi, provides clean drinking water to small rural communities by repairing and drilling new boreholes. Boreholes can be used as water wells by installing a vertical pipe casing and well screen, which allows water to be extracted from the ground, even during dry seasons. By providing clean water, communities no longer need to purify water through boiling. This alleviates pressure on local forests – the predominant source of firewood – and reduces greenhouse gas emissions.

Sustainable Development Goals: In addition to delivering approximately 140,000 tonnes of emissions reductions each year, the project delivers a number of other benefits including:

- **Good Health and Wellbeing:** In Uganda, 10 rehabilitated boreholes serve 5,700 people, preventing 100 cases of diarrhoea and six fatalities each year.
- **Industry, Innovation and Infrastructure:** Locally-appropriate technology is used, such as Afridev hand pumps, maintained by local mechanics trained under the programme to maintain a long-term solution.
- **Climate Action:** The rehabilitated boreholes provide the communities access to clean ground water, making them less susceptible to severe droughts.
- **Gender Equality:** Boreholes greatly reduce the time needed for collection of water and fuel, and the purification of water. On collection alone, the boreholes reduced the time spent daily from two hours 50 minutes down to 47 minutes.

Locally-based manufacturing has created new job opportunities and is supporting the economy of the country

Improved Cookstoves, India

Project type: Household devices
Region: Asia **Standards:** Gold Standard

Description

India uses the greatest amount of fuelwood of any country in the world. This means that over 900 million people are exposed to indoor air pollution on a daily basis, and it is estimated that consequently 360,000 people die prematurely each year. This Gold Standard project is enabling households to significantly reduce health risks and fuel costs through the distribution of more efficient biomass cookstoves.

Sustainable Development Goals: In addition to delivering emissions reductions to help take urgent action to combat climate change (SDG 13), the project delivers a number of other sustainable development benefits. These include:

- **Good Health and Well-being:** The efficient cookstoves facilitate an 80% reduction in smoke within the household, significantly reducing exposure to harmful indoor air pollution.
- **No Poverty:** Simple design enhancements make the stoves 60% more fuel-efficient. Reduced fuel use equates to a monthly saving of approximately US $7 (INR 450), which is around 7% of the average household monthly income.
- **Life on Land:** As 82% of households depend on wood for cooking, this project eases the burden of overuse on forests, and subsequently decreases deforestation.
- **Gender Equality:** Leaving the home to collect fuel is physically exerting and exposes women to insect bites and possible attacks. The insulated design of the stove also delivers a 50% reduction in the time needed for cooking, which can be allocated to other tasks.
- **Decent Work and Economic Growth:** the manufacturing, sales and distribution of the stoves has created 120 jobs.

79% of people in rural Sichuan use solid fuel for cooking. The project targets low income households and carbon finance funds around 40% of the cost

Sichuan Household Biodigester, China

Project type: Household devices and resource recovery
Region: Asia **Standards:** Gold Standard and CDM

Description

This Gold Standard CDM project provides a closed loop, clean cooking solution, targeting one million low income households with livestock across the Sichuan Province of China. The project installs a small scale household biodigester to provide households with access to clean and affordable energy. Globally, the livestock sector is responsible for 14.5% of greenhouse gas emissions. Carbon finance is used to provide financial support, totalling roughly 40% of the cost of the biodigester. In addition to reducing emissions, the project improves indoor air quality and sanitation for rural communities, while creating jobs for the local population.

Sustainable Development Goals: In addition to delivering approximately 880,000 tonnes of emissions reductions annually to combat climate change (SDG 13), the project delivers a number of other benefits including:

- **Affordable and Clean Energy:** With a sustainable and affordable energy source (biogas), households report a cost saving through avoided purchase of coal for cooking needs.
- **Good Health and Wellbeing for People:** Biogas produced by the digesters burns cleanly without producing ash or smoke, delivering a significant improvement to the livelihoods of household members who previously used solid fuel like coal for energy needs.

Having sold over 90,000 solar water heater units, the project has had direct impacts on over 420,000 people

Solar Water Heating, India

Project type: Household devices and renewable energy
Region: Asia **Standards:** Gold Standard and CDM

Description

Households worldwide use a quarter of their energy budget for heating water to be used in showers, laundry and washing dishes. In the textile industry 70% of the energy demand is accounted for by hot water. Solar water heaters (SWH) provide households, small and medium sized enterprises and institutions, with an in-house hot water supply fuelled by renewable energy rather than carbon-intensive grid electricity. The project is primarily focused on serving urban areas throughout the country, and manufactures, distributes, installs and maintains SWHs for a variety of residential, commercial and community buildings.

Sustainable Development Goals: In addition to delivering emission reductions to take climate action (SDG 13), the project delivers a number of other benefits including:

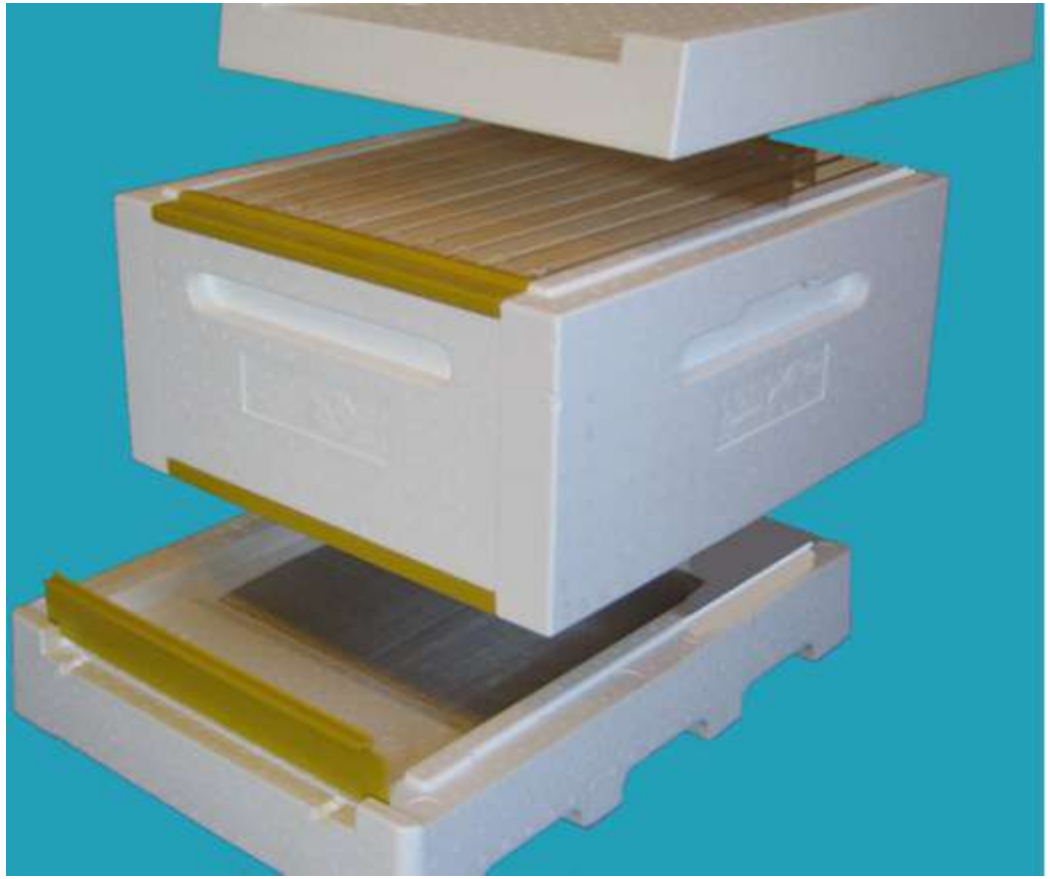
- **Affordable and clean energy**: Solar water heaters reduce the drawing of electricity from the power grid which is primarily fossil fuel based and reduces energy costs for users. By replacing grid-dependent electric units with a 200 litre/day capacity SWH, it is estimated that the typical household can save on average INR 850 / $US 12 per month.
- **Decent Work and Economic Growth**: All the solar products are manufactured in a factory in Bangalore, offering employment opportunities for local residents.
- **Industry, Innovation and Infrastructure**: The project is facilitating the installation of new energy infrastructure within the country, enabling solar technology to scale.
- **Good Health and Well-being**: Using solar water heating units reduces the use of electric flow heaters which release gases that studies have correlated with high mortality rate.
- **Quality Education**: This project provided several training and capacity building programs to plumbers of the region for installation of the solar water heaters

Renewable energy projects

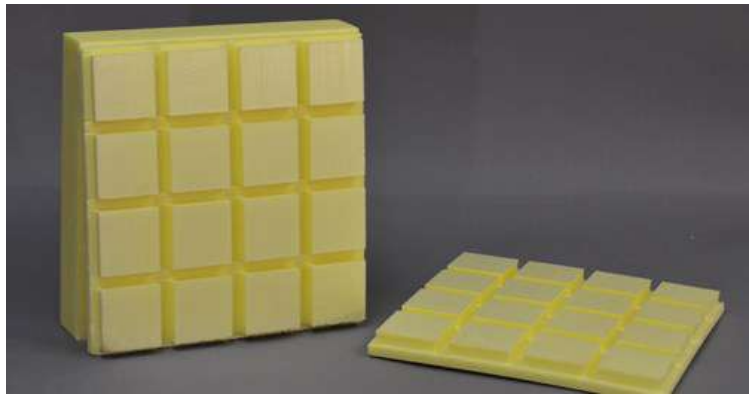
Sustainable Infrastructure

Sustainable infrastructure avoids greenhouse gas emissions and reduces the use of fossil fuels. Projects that generate power from renewable sources like wind and solar provide a clean source of electricity for the host country, creating jobs and helping transition the grid from fossil fuels. By contributing to capacity as demand grows, renewables can also reduce shortages.

- Biomass conversion
- Refrigerants
- Solar energy
- Wind power



Industrial process emissions account for over 300 million tonnes of CO_2e every year, over half of which is from chemicals such as HFCs.



HFC Foam Blowing Agent Replacement, United States

Project type: Other
Region: North America **Standard:** ACR

Description

Management of refrigerant gases such as Hydrofluorocarbons (HFCs) was recognized by Project Drawdown as the number one solution to climate change. HFCs are harmful refrigerant gas and powerful greenhouse gases (GHGs) with global warming potentials (GWP) 125 to 1,430 times that of CO_2 and are "short-lived climate pollutants," so have a large near-term warming impact. HFCs are in widespread use, predominantly in air conditioning and refrigeration but also as foam blowing agents, which improve energy efficiency primarily by reducing heat transfer in insulation. Applications include polystyrene boardstock; spray foam (such as for installing building insulation); foam used in residential refrigerators and freezers; and foam used for marine flotation or buoyancy. The majority of blowing agents currently in the U.S. market today are high-GWP HFCs, and they are released during manufacture, use, and end-of-life. This project supports the transition to greener practices among small- and medium-sized manufacturers and construction contractors. It is a new offset type, and reduces emissions by creating a voluntary transition for the manufacturing industry to low-GWP foam propellants.

Sustainable Development Goals In addition to delivering emission reductions to take climate action (SDG 13), the project delivers another benefit:

- **Industry, Innovation and Infrastructure:** This project sees carbon finance help small- and medium-sized industrial businesses to go above and beyond mandates to decarbonize processes and deliver products used in the built environment that will not release greenhouse gases.

Bangladesh is one of the fastest growing economies in Southern-Asia, with the vast majority of its power (63%) coming from natural gas

Gas Distribution Leak Reduction, Bangladesh

Project type: Resource Recovery
Region: South Asia **Standard:** CDM

Description

In the Bangladesh capital of Dhaka, more than 21 million people (nearly 4 times the population of Atlanta) rely on natural gas to power their homes, businesses and factories. The local gas distribution company has a network that is old and in disrepair, resulting in significant release of methane, a potent greenhouse gas which is more than 20 times more potent than carbon dioxide as a heat-trapping gas. To reduce and prevent natural gas leaks, the project financed the purchase and import of specialised equipment, called Leak Detectors and Hi-Flow Samplers, along with advanced sealant materials to ensure long lasting sealing of any leaks that were identified by the programme. To date, specially trained staff have checked more than 500,000 gas risers, identifying and repairing more than 37,000 leaks. Avoided losses of natural gas are enough to fuel a 119-MW power plant.

Sustainable Development Goals In addition to delivering emission reductions to take climate action (SDG 13), the project delivers other benefits:

- **Good Health and Well-Being:** The project reduces the risk of accidents and addresses low-pressure problems that leave some customers unable to cook and heat their homes.
- **Affordable and Clean Energy:** The need for liquefied natural gas (LNG) imports, at up to five times local prices, can be reduced.
- **Decent Work and Economic Growth:** International experts trained 70 people from the local communities to find and repair leaks, while a further 30 support staff were employed.
- **Industry, Innovation and Infrastructure:** Specialised technology and techniques have been transferred to support the development of sustainable infrastructure.

Research by Project Drawdown found that onshore wind is the solution with the second largest potential to combat climate change between 2020 and 2050.

Renewable Energy Portfolio, Global

Project type: Renewable energy **Region:** Global

Description

Renewable energy projects in this portfolio are vital to help reduce greenhouse gas emissions from the growing global demand for energy and build sustainable infrastructure. Energy generation is one of the biggest emitters of greenhouse gases, and renewable energy investment is a fast and effective solution to reduce these emissions. Carbon finance, delivered by companies who offset their emissions, provides essential funds to support the development of global renewable projects.

Sustainable Development Goals: In addition to delivering emission reductions to take climate action (SDG 13), these projects can deliver a number of other benefits including:

- **Affordable and Clean Energy:** Contribute to increasing the share of renewable energy in the global energy mix. Clean electricity generated by these projects displaces electricity which would otherwise be powered by fossil fuels.
- **Decent Work and Economic Growth:** Contribute to the local economy and livelihood of residents through the creation of jobs. These include full-time maintenance and operational roles, and temporary roles during planning and construction.
- **Industry Development and Innovation:** Support the development of sustainable and resilient energy infrastructure, helping reduce the instance of shortages of electricity during peak hours of demand. The projects also often help develop road infrastructure, which is improved to aid site access.

Learn about a power project we have supported in the past

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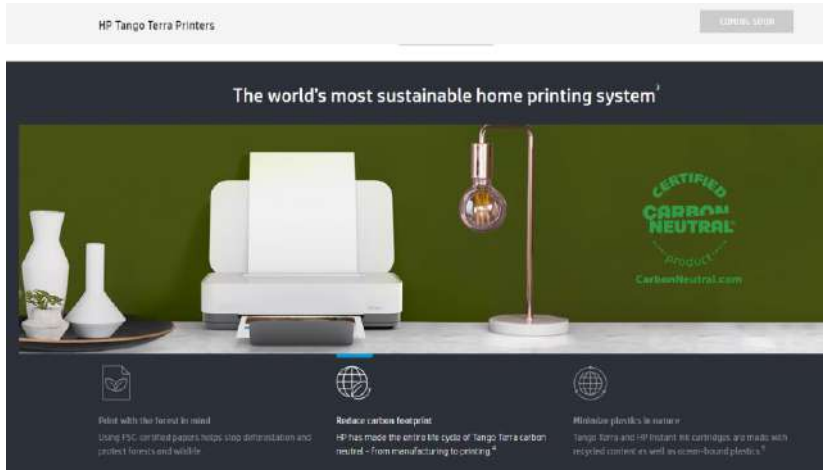
Client Examples

Client Examples:

The CarbonNeutral logo can be used across a wide variety of materials to share your achievement with staff and customers



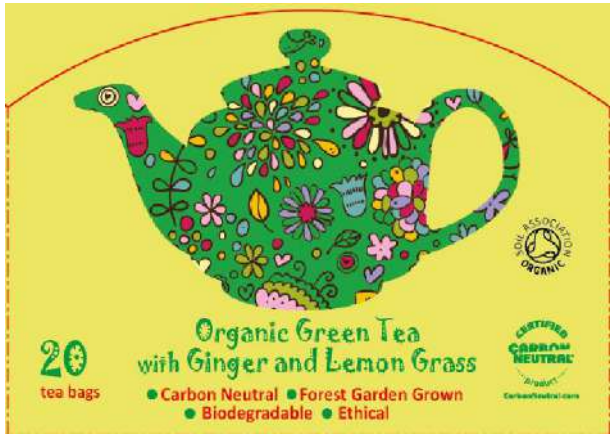
CarbonNeutral® product

HP: A webpage about its CarbonNeutral printers.

Elopak is a carbon neutral company

CarbonNeutral® company

Elopak: A video about its company and packaging certifications.



CarbonNeutral® product

Tea so Tea: The CarbonNeutral product logo on its tea packaging.

Kindly ensure you use the CarbonNeutral logo pertaining to your certification type only, and not the CarbonNeutral Global Standard logo or any others.

Client Examples:

CarbonNeutral® certification enables companies to clearly communicate their action to key audiences

CarbonNeutral® product	CarbonNeutral® company	CarbonNeutral® product	CarbonNeutral® product
825,000	**Since 2006**	**Gaming**	**Skincare**
Xbox consoles have been made CarbonNeutral® in accordance with The CarbonNeutral Protocol, while Microsoft has been carbon neutral since 2012.	A CarbonNeutral® company since 2006, Sky has recently made a landmark commitment toward its ambition to be net zero carbon by 2030, with all its Sky Originals from 2019 on, now certified CarbonNeutral® productions in the UK.	All Logitech gaming products, all business travel and a manufacturing facility in China are certified CarbonNeutral® products.	Bulldog launched in the UK in 2007 and is now available in over 30 countries and over 50,000 stores around the world.
"Beginning the journey of extending carbon neutrality to our products."	**"Our staff and customers continue to be proud that we are CarbonNeutral."**	**"It's a bridge, something we can do right now while we develop our ecodesign."**	**"While we are extremely proud that our Original Moisturiser is now a CarbonNeutral® product, we won't be stopping here, this is just the beginning."**

Anglia Print

Sector: Printing
Size: SME
Certification type: CarbonNeutral® company
Country: United Kingdom

When John Popely, Director of Anglia Print Ltd, took over the family business in 2002, he decided to make the company as environmentally friendly as possible. Following an entire career in the print industry, he had built a clear awareness of the impacts of printing.

In 2005, the company became “climate neutral” but, looking for a more rigorous audit, chose to undertake the assessment process to become a certified CarbonNeutral® company in 2011. “CarbonNeutral ® certification is part of our environmental action jigsaw,” said John. “It’s all too easy to say you’re doing something; we believe accreditations are needed to prove credible action.”

Since becoming CarbonNeutral ® certified, Anglia Print has been able to use the data collected for the assessment process for its other audits, including ISO14001 and the EU Eco-Management and Audit Scheme (EMAS).

In recognition of the company’s pioneering achievements in the sector, which also include switching to 100% renewable energy and installing low energy lighting, Anglia Print received a Queen’s Award for Enterprise in 2016 for sustainable development. Other initiatives include investing in waterless printing presses, using FSC certified or recycled materials, and GM free non-soya vegetable oil based inks.

Testimony

“CarbonNeutral® certification is part of our environmental action jigsaw. It’s all too easy to say you’re doing something; we believe accreditations are needed to prove credible action.”

John Popley, Director, Anglia Print Ltd.

“It’s all too easy to say you’re doing something; we believe accreditations are needed to prove credible action.”

John Popley, Director, Anglia Print Ltd.

ICU Eyewear

Sector: Fashion
Size: SME
Certification type: CarbonNeutral® company and product
Country: United States

A pioneer in the eyewear industry, ICU Eyewear was the first to develop and implement a manufacturing process for eco-friendly reading glasses made from reclaimed plastic, recycled metal and sustainable bamboo.

When Jamie Tipton, Senior Director of Marketing and E-Commerce at ICU Eyewear joined the business after three years working for Fair Trade USA, he was keen to promote these eco-attributes across the 1,000+ natural product retailers that stock the company's products. With an understanding of the value of certification marks, Jamie wanted an external "stamp of approval" to reinforce product sustainability and the company's broader corporate responsibility approach.

Since achieving CarbonNeutral® company and product certification in 2013, ICU Eyewear has included the certification mark on all its packaging and has been recognised as a best practice example of environmental action for one of its key customers – Whole Foods® Market.

Through its CarbonNeutral® certification, ICU Eyewear supports projects in key business locations to ensure the programme resonates with its staff and delivers local impact beyond emission reductions.

In addition to the value certification has brought to ICU Eyewear, the annual footprint assessment process has enabled the business to focus on operational efficiencies.

Testimony

"Not only have we achieved CarbonNeutral® certification, but it has allowed the business to identify areas for internal improvement that may not have been brought to light otherwise. We communicate the story of our products with retailers during trade shows. If we can engage retail staff – those who are on the shop floor interacting with consumers – that's the best audience to promote what we are doing."

Jamie Tipton, Senior Director of Marketing and E-Commerce, ICU Eyewear

Jamie Tipton, Senior Director of Marketing and E-Commerce, ICU Eyewear

Thank you

Carbon offsets | Carbon neutrality | Project development | Renewable energy | Net zero | Natural climate solutions | Health and livelihoods | Sustainable infrastructure

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