

Path Net Zero




Projects and Certification






Projects

Path Net Zero fund some of the highest-standard climate projects on the planet and we only support certified projects by Gold Standard (GS).

Through the creation of a balanced portfolio PNZ are able to offer a variety of projects, typically formed of the following:

Project Type: Biogas	Description & Impact
	<p>Generates renewable electricity and reduces methane emissions to the atmosphere and displaces fossil fuels used to heat local buildings.</p>
Project Type: Clean Cookstoves	Description & Impact
	<p>Reduces carbon emissions that contribute to climate change as well as tackling the impacts of environmental degradation caused by deforestation for wood fuel. Low smoke stoves radically improve the health of people, who are often impacted from breathing in smoke generated by indoor wood cookstove fires</p>
Project Type: Renewable Energy	Description & Impact
	<p>To build or maintain chiefly solar, wind or hydro sites across the world. By investing in these projects, a company is boosting the amount of renewable energy on the grid, creating jobs, decreasing reliance on fossil fuels.</p>

Project Type: Water Filters	Description & Impact
	<p>By filtering water instead of boiling it over a wood burning fire, purifiers protect forests. Forests are important stores of carbon and critical to the health of ecosystems and local livelihoods.</p>
Project Type: Biomass	Description & Impact
	<p>Generates electricity using a renewable fuel, reduces local waste whilst reducing emissions by replacing fossil fuel intensive based power generation.</p>
Project Type: Waste Management	Description & Impact
	<p>Through waste recycling, proactively reducing greenhouse gases emissions that would be otherwise required for the production of, for example plastic products made of virgin inputs.</p>



Our Offset Partner

Path Net Zero have agreed a strategic partnership with Gold Standard as our only provider of Verified Emissions Reductions (VER's).

Gold Standard (www.goldstandard.org, @goldstandard) was established in 2003 by WWF and other international NGOs as a best practice standard to help the world #GrowToZero. All Gold Standard-certified projects and programmes accelerate progress toward the Net-Zero ambition of the Paris Climate Agreement while catalysing impact toward the broader Sustainable Development Goals.

Its standard, Gold Standard for the Global Goals, allows climate and development initiatives to quantify, certify, and maximise their impacts toward climate security and sustainable development. Certification against the standard provides the confidence that these results are measured and verified, enabling credible impact reporting.

ISEAL Code Compliant and backed by a broad NGO Supporter Network, Gold Standard has 2000+ projects underway in over 90 countries, creating billions of dollars of shared value from climate and development action worldwide.





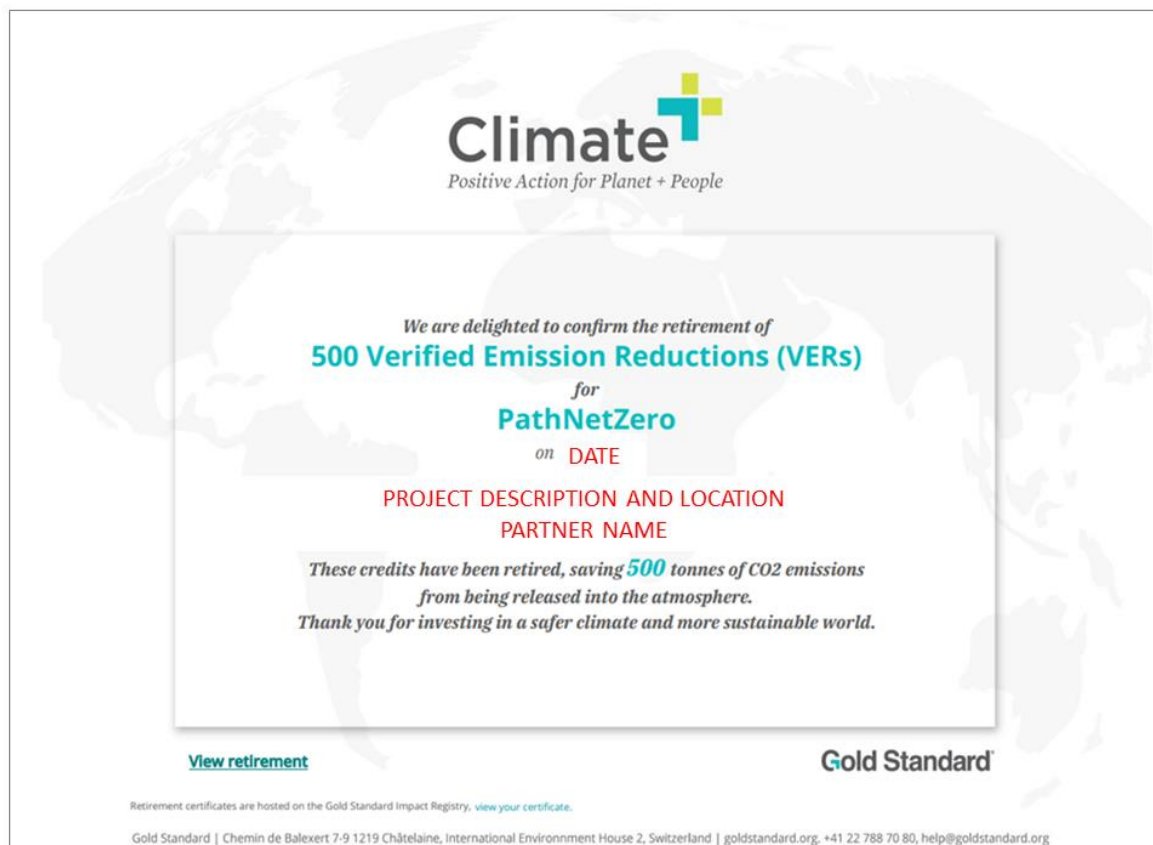
Project Certification

Path Net Zero offer two forms of certification based on the partners volume, and ability to fund their Carbon Offset endeavours.

Access to The Calculator is free of charge and we maintain all the operational costs, development, hosting, content, and data analysis. We also provide onboarding, training and company branding free of charge.

We only ask that you purchase your Verified Emission Reduction units in advance, to the projects of your choice. These verified purchases are then retired immediately, and a certificate is issued in your company name, and you are added to the impact registry. To be certificated in your company name and named on the impact Registry we require a minimum purchase of VER's.

Using the calculator, you can then allocate the correct amounts of Offset to historic, current, or future itineraries and trips.



An Example of actual impact registry Reporting can be found here:

<https://registry.goldstandard.org/batch-retirements/details/108446>



FAQ'S

“How long does it take for my carbon offset to come into effect? I.e., If I buy 5 tonnes today, when do 5 tonnes come out of the atmosphere?”:

Carbon offsetting projects operate on a results-based finance model. This means that the project developer takes on all the financial risk and makes the initial investment required to develop and certify the project. Once their project impacts have been independently verified and certified, the project is issued with carbon credits. The sale of these credits enables project developers to recoup costs, repay loans, and maintain and expand the project activity. This 'payment for performance' approach provides those supporting the project (e.g., purchasing carbon credits) with the highest assurance that the outcomes have been achieved.

So, the credits you purchased are for impacts that have already been monitored, verified (by independent third-party verifiers) and finally certified (by an independent certification body). The standard certification provides the assurance that the CO2 reductions and other co-benefits delivered by the projects have already happened. That being said, every year the monitoring and verification is conducted again, so there is continuous checking on the performance and the project can continue to issue more credits, if everything still meets the requirements of Gold standard certification.

What are Voluntary Cancellation Certificates?

Carbon markets can be either voluntary or mandatory. The main difference between the two is that the voluntary market is unregulated. Recognised international standards, such as Gold Standard exist to monitor and verify the quality and validity of the carbon credits that are traded in the voluntary market.

Compliance schemes are currently aimed at the most “energy intensive” emitters (at a company level). These include power generators, oil refineries, iron and steel production and processing companies, those who produce commodities such as cement, glass and ceramics and the paper and pulp industry.

The voluntary market serves the purpose of businesses (typically blue-chip corporations), government departments, NGOs and single individuals wanting to be accountable for their carbon footprint and help drive the transition to a low-carbon future.

What is a Carbon Credit?

A carbon credit, sometimes called a carbon offset, represents the certified reduction or removal of one tonne of carbon dioxide equivalent (tCO2e) from the atmosphere. To try and put this into context, one tonne of CO2 is the equivalent to the average monthly carbon footprint of someone living in Europe.

Carbon offsetting is the purchase of carbon credits, generally in an amount equivalent to the carbon emissions that a lifestyle or business has created. After making every effort to reduce emissions as much as possible, purchasing carbon credits is a way to be accountable for a climate impact and to take climate action beyond one's own area of influence.



What is a Carbon Credit worth?

The price of a carbon credit depends on many factors, including market dynamics and the quality, type, size, and geographical location of the project – but most importantly, the value that credit creates.

What are SDG's and why are they referenced in projects?

The Sustainable Development Goals (SDGs) are a set of seventeen Global Goals and 169 targets agreed on by the UN General Assembly that cover a broad range of sustainable development issues. These included ending poverty and hunger, improving health and education, making cities more sustainable, combating climate change, and protecting oceans and forests. The chosen projects in our portfolio certify the SDG outcomes of projects in order to ensure that climate action is pursued in tandem with sustainable development.










Why VER's and not Trees?

So first off, trees are ace.

There is no getting away from the fact that they are a beautiful, natural resource of carbon capture that account for over a third of the planets habitable land area and by no means would PNZ say that we disagree with the part trees play to fight the climate crisis.

Why Net Zero Travel



-  Transport-related CO₂ emissions from tourism are predicted to **increase from 1,597 million tonnes to 1,998 million tonnes** between 2016 and 2030, representing a **25% rise**.
-  During the same period, international and domestic arrivals are expected to **increase from 20 billion to 37 billion**, mainly driven by domestic tourism (from 18.8 billion to 35.6 billion), followed by international arrivals (1.2 billion to 1.8 billion).
-  Transport-related emissions from tourism represented **5%** of all man-made emissions in 2016 and will **increase to 5.3% by 2030**.
-  **Tourism** related transport emissions **represented 22%** of all transport emissions in 2016 and will continue doing so in 2030 (21%).

Transport-related CO₂ Emissions of the Tourism Sector – Modelling Results: UNWTO Publications Dec 2019

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The challenge for us is that we aim to serve a market that creates a significant amount of the problem, looking at the numbers above you can see that the contribution from tourism is expected to represent 21% of all transport emissions by 2030 and this does not include accommodation, food, or the supply chain.

More importantly, we want to correct the impact now, not in a future promise.

So going back to the beautiful tree – a typical tree will absorb around 21kg of CO₂ per year when fully grown (10 years +) and over a century a single tree could absorb around one tonne of CO₂.

For PNZ, this is too little too late, so we opted to think about it differently and therefore ask a different question.



What if we can travel to the airport knowing that what we are about to do in the future has been measured and corrected in the past before we even get there?



So that's exactly what we did when we built the platform including the ability to take immediate corrective action through pre purchased Verified Emission Reductions (VERs), all seamlessly incorporated into the submit Carbon element of the calculation output.

The carbon offsetting projects within our portfolio (and delivered through Gold Standard operate on a results-based finance model.

This means that the project developer takes on all the financial risk and makes the initial investment required to develop and certify the project.

Once their project impacts have been independently verified and certified, the project is issued with carbon credits. The sale of these credits enables project developers to recoup costs, repay loans, and maintain and expand the project activity.

This 'payment for performance' approach provides those supporting the project (e.g., our partners purchasing the required carbon credits accurately measured through the PNZ platform) with the highest assurance that the outcomes have been achieved.

So, the credits that you purchase are for impacts that have already been monitored, verified (by independent third-party verifiers) and finally certified (by an independent certification body).

No future promise but action and fact. The standard certification provides the assurance that the CO2 reductions and other co-benefits delivered by the project have already happened.

That being said, every year the monitoring and verification is conducted again, so there is continuous checking on the performance and the project can continue to issue more credits, if everything still meets the requirements of Gold Standard certification.



Our selected project portfolio allows our partners to choose from a variety of projects, ranging from clean cooking solutions and household biogas to renewable energy, like wind and solar – reaching all corners of the globe. The VERs in this portfolio are from project developers who choose to donate a portion of their credits to Gold Standard.

This arrangement helps project developers improve the financial viability for their project development and certification and of course continue to develop the amazing work that they are already doing.

Our proceeds go directly to Gold Standard to support their initiatives and innovations and the ongoing improvement of Gold Standard for the Global Goals.

We believe that guilt free, sustainable travel and a quantified evidential impact correction can only be measured by what has happened in the past, not in a promise of what we may do in the future.

Next time you're in a debate about what you are doing to deliver accountable travel climate action take Path Net Zero into the conversation with you.



www.pathnetzero.com



hello@pathnetzero.com



+44 7973 135 925



+44 203 376 0001