

**A-GAS**<sup>®</sup>

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# Carbon Credits

Building a More Sustainable Future  
Through the Lifecycle Management of  
Refrigerant Gases



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## Our Story

With over 30 years experience in the supply and lifecycle management of refrigerants and associated products, A-Gas is the leading supplier to the heating, ventilation, refrigeration, air-conditioning, and fire protection industries worldwide.

A-Gas recognises that climate change is a challenge for organisations across the globe. As we continue to grow and evolve worldwide, we are dedicated to our purpose of:

**Protecting and enhancing the environment by effectively managing the lifecycle of refrigerants to build a sustainable future.**

Our industry-leading, circular economy approach to the complete lifecycle management of refrigerants reduces the carbon footprint of the industries we serve.

Now, through the generation of carbon credits, A-Gas can help businesses worldwide reduce their carbon footprint.

## What is a Carbon Credit?

A carbon credit is used by a company or individual, as part of a wider carbon reduction plan, to compensate for the carbon dioxide they emit into the atmosphere.

A carbon credit represents an emission reduction of one metric ton of CO<sub>2</sub> or an equivalent amount of other greenhouse gas.

This credit can compensate for an equivalent emission made elsewhere as a result of industrial or human activity.



## Why are Carbon Credits Needed?

The central aim of the Paris Agreement (the United Nations Framework Convention on Climate Change) is to limit global warming below 2 °C (ideally 1.5 °C). To achieve this, the global community needs to reach net-zero emissions by no later than 2050.

For many years, our expert teams have generated carbon credits utilised by companies regulated under the California Cap and Trade Programme. These credits, commonly known as compliance credits, are used exclusively within the California Cap and Trade Programme and are generated through the recovery and destruction of harmful Ozone Depleting Substances (ODS) in North America.

While you may be aware of carbon credits derived from activities such as methane reduction or forestry, our focus, in addition to the safe destruction of ODS, is on the development of voluntary credits through recovery, reclamation and repurposing of HFC gases that are harmful if allowed to leak to the atmosphere.

This recovery and reclamation also reduces the volume of virgin gases required in the wider supply chain.



## Carbon Credit Generation

We are now expanding our carbon credit portfolio globally to generate voluntary carbon credits to organisations and end-users looking to reduce their carbon footprint. Specifically, A-Gas is now enhancing and expanding its ability to recover, reclaim and repurpose used gases, incentivised through carbon credit generation. If this used gas was allowed to leak to the atmosphere, it would be significantly more damaging to the environment than an equal measure of CO<sub>2</sub>.

Whether the gas was previously used in refrigeration, air-conditioning or medical aerosols, A-Gas is committed to recovering and reclaiming the maximum amount of product:



**A-Gas Rapid Recovery** provides a fast, efficient, safe and environmentally responsible onsite refrigerant recovery service.



Our large fleet of dedicated recovery vessels are designed for use in product recovery during equipment servicing and decommissioning, or when changing to a lower global warming potential (LGWP) product.



## Carbon Credit Generation

The carbon credits generated by our recovery and reclamation activity relate only to the gas directly saved from the atmosphere. There are many other benefits which provide added value beyond carbon reduction:



Contributing to Environmental, Social and Governance performance by mitigating climate risk and improving sustainability in a global context.



Preventing the manufacture of the equivalent quantity of virgin gas, and the energy consumption associated with its production and logistics.



Creating local employment and contributing to the wider circular economy.

## Credits You Can Trust

Ensuring the carbon credits you acquire are verified is key for any carbon reduction program.

To increase consumer confidence, Governments and Non-Government Organisations (NGOs) have developed and implemented rules, requirements, and strict methodological procedures to verify carbon emission reductions and, in turn, place a stamp of approval on the corresponding carbon credits.

At A-Gas, we pride ourselves on ensuring that our carbon credits are of the highest environmental integrity and quality, whilst being transparent in our activities.

All the carbon credits available through A-Gas meet the necessary accredited third-party standards and rigorous methodology verification process requirements.

“ We pride ourselves on ensuring that our carbon credits are of the highest environmental integrity and quality. ”





## Credits You Can Trust

Every carbon credit project is developed under a leading carbon credit registry which is governed by the registry's standard. This standard determines the quality that every project must meet for greenhouse gas emission reductions to become a tradeable environmental commodity.

The necessary rules and requirements are detailed in what is known as a "methodology". Methodologies are approved by a registry through public consultation and scientific peer review processes. Such methodologies provide the quantification framework for the creation of the carbon credits that are then independently assessed by an accredited third-party verifier.

After the months it takes to verify a project, credits are created under the name of the granting registry or agency. Think of it as a brand name, assuring the consumer that the homework has been done and the credit being purchased does what it says.



## Credits You Can Trust

Methodology development and project verification is carried out under one of the following internationally recognised standards:

- ✓ Verified Carbon Standard (VERRA)
- ✓ Climate Action Reserve
- ✓ American Carbon Registry (ACR)



## Credits You Can Trust

As an example, the ACR is one of the original voluntary greenhouse gas registries in the world and handles a variety of project types. The ACR has been approved by the California Cap-and-Trade program and the International Civil Aviation Organization (ICAO) in their goal of reducing the net emissions related to all global civil air travel. We are proud that voluntary credits generated by A-Gas have used the ACR Certified Reclaimed HFC Refrigerants methodology and are therefore eligible for ICAO and non-ICAO voluntary carbon market use.

A-Gas credits are generated using strict quality processes. Our documentation includes everything related to the ownership of the gas, from the original equipment, the date A-Gas took ownership of the material, the Environment Protection Agency (EPA) certified equipment used to recover the material, and the physical reclamation or safe destruction of the material.

This information is independently verified before our credits are created, issued by a registry and then ready for purchase by an organisation looking to reduce its carbon footprint.



## UN Sustainable Development Goals

The UN Sustainable Development Goals (SDGs) are comprised of 17 goals and 169 targets. Signed by 193 countries, these goals and targets were adopted as part of the 2030 Agenda for Sustainable Development.

Our voluntary carbon projects are aligned with several UN SDGs, primarily Climate Action. Through our recovery and reclamation activities, A-Gas directly prevents harmful emissions and reduces the need for virgin gas production. Displacing the need for further virgin production, in turn, reduces emissions associated with new product manufacturing and trans-oceanic shipping.

Considered collectively with the avoided emissions from capturing the original gas, reclaimed refrigerants positively impact other SDG goals, including Industry, Innovation, and Infrastructure (9); Sustainable Cities and Communities (11); Responsible Consumption and Production (12); and Climate Action (13).



## Working with Us

As demand grows, A-Gas will endeavor to meet the needs of those looking for high quality, verified carbon credits in a seamless and transparent way. With no centralised marketplace for the purchase of voluntary carbon credits, A-Gas will continue to remain flexible in our approach to meet your needs.

Similarly to how we sell our compliance carbon credits, with our voluntary credits (VERs) we will primarily focus on building direct relationships with interested customers to enable our team to further explain the nature of our projects. Should you require the full volume of credits pertaining to a project or a parcel of credits, A-Gas would provide key project information, including unique ID as listed on the registry, a project description, the reporting period, the project vintage, the volume of credits on offer and the project location.

We are committed to providing all the information needed to assist you in your carbon reduction activities.



## The Future

Whether for compliance or voluntary purposes, carbon credits are an area that A-Gas is, and will continue to be, passionate about.

By purchasing A-Gas credits, consumers can demonstrate to their stakeholders and investors how they are contributing to their Environmental, Social and Governance performance by mitigating climate risk and improving sustainability in a global context.

A-Gas is here to become your partner of choice and support you on this critical journey. Contact our expert team for advice and support on your decarbonisation activities.

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