Carbon Trade

Company Profile

Carbon Trade Inc.

☑ Green Business for the Next Generations

☑ Sustainable Environmental Solutions

Carbon Trade Inc.
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会社概要

Company Name	Carbon Trade Inc.
U R L	http://www.carbontrade.co.jp/index.html
Representative Director	Toshiyuki Tateishi
Established	December 22, 2008
Capital	JPY 50,000,000
Head Office	4F Akasaka Long Beach Building, 3-21-20 Akasaka, Minato-ku, Tokyo, Japan

History

* Dec 2008: BRICs Plus 11 Institute Co., Ltd. established
* Jun 2010: Company name changed to Carbon Trade Inc.
* Oct 2010: Capital increased to JPY 10 million
* Apr 2011: Selected for METI domestic credit system support project (FY2011–2012)
* Oct 2011: Capital increased to JPY 20 million
* May 2014: Own solar power plant in Chiba (750kW) commenced operation (FIT JPY 40)
* Nov 2015: Head office relocated to Akasaka
* May 2016: Participated in carbon offset program for the G7 Ise-Shima Summit
* May 2022: Began sales of renewable energy certificates
* Oct 2022: Carbon PASS issued quantity reached 32 million units
* Nov 2022: Registered as a GX League participating company
* Nov 2022: Exhibited CO_2 separation and recovery technology “PLASMA_X” at COP27 (Egypt)
* Jul 2023: Started sales of CHEFER AIR CT-11, CT-21
* Oct 2023: Participated in carbon credit market (Tokyo Stock Exchange)
* Oct 2024: Opened account in Verra Registry
* Dec 2024: Total carbon credit trading volume exceeded 120,000 t-CO_2
* Dec 2024: Capital increased to JPY 50 million (capital reserve: JPY 10 million)
* Jun 2025: Started sales of CHEFER AIR CT-31
* Dec 2025: Opened account in Gold Standard Registry (entered CORSIA-eligible credit market)
* Feb 2026: Purchased 10,000 t-CO_2 of Gold Standard CORSIA Phase 1 eligible credits

Business structure

- Carbon Credit Trading & Brokerage
- Carbon Offset
- Renewable Energy Certificates

- PLASMA_X
- CHEFER AIR
- CHEFER WATER
- CHEFER INDICATOR

Carbon Credit

Carbon credits are essential for actions toward achieving carbon neutrality (net-zero emissions) by 2050. Environmental value—such as reducing and absorbing CO_2 emissions through energy-efficient investments, the introduction of renewable energy facilities, and forest management—requires significant financial investment.

As the supply, demand, and market for carbon credits expand, our actions toward carbon neutrality will accelerate. Through diverse business networks and offset programs, we aim to further develop and strengthen the carbon credit market.

CARBON CREDIT BROKERAGE Trading / Intermediation / Surrender

Since our founding in 2008, during the commitment period of the Kyoto Protocol adopted at COP3, we have continuously traded carbon credits for over 17 years—from overseas CER credits issued through the Clean Development Mechanism (CDM) to Japan's domestic credit system (now the J-Credit Scheme).

【Transaction Volume】 Kyoto Protocol CDM (CERs): 37,000 t-CO_2
J-Credit Scheme (Credits) : 83,000 t-CO_2

Going forward, we will leverage the carbon credit supplier network we have built to actively handle international voluntary credits (Verra, Gold Standard, ART REDD+), and participate in the CORSIA market, for which Phase 1 began in 2024.

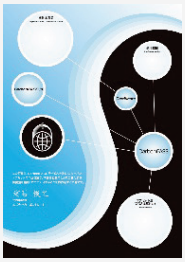
KYOTO PROTOCOL

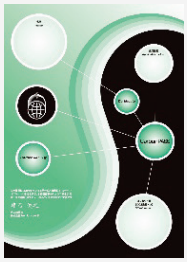
J-クレジット制度

VERRA ART Architecture for REDD+ Transactions

Gold Standard

CarbonPASS





CARBON OFFSET

Our carbon offset services are offered under the "Carbon PASS" brand, designed as a clear and compelling symbol to communicate efforts toward decarbonization and CO_2 reduction. Carbon PASS is an eco-conscious brand that encourages next-generation awareness, promotes a smarter lifestyle shift toward decarbonization, and enables the sharing of these values and actions.

Since 2008, the total volume of carbon offsets (products, actions, and events) under the Carbon PASS brand has reached 32 million cases, and we will continue to expand with a wider range of offset programs.

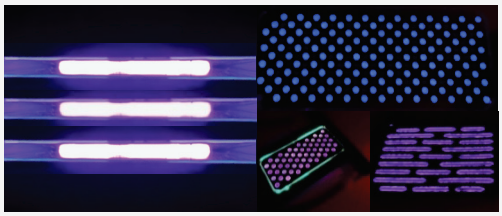
RENEWABLE ENERGY ELECTRIC POWER CERTIFICATE Renewable Energy Certificates

We provide, in a one-stop solution, the environmental value of renewable electricity generated from solar and biomass power, along with the value of CO_2 emission reductions.
Electricity used by companies and businesses inherently carries a certain level of CO_2 emissions. By allocating renewable energy–derived environmental value to this electricity, it is possible to effectively convert it into 100% renewable energy usage and achieve virtually zero CO_2 emissions.
A "Renewable Energy Certificate" is issued as proof that the customer has received this environmental value.
In recent years, demand for renewable energy has been increasing due to compliance needs such as SBT, RE100, and CDP.

RE100 CLIMATE GROUP CDP SCIENCE BASED TARGETS DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

COLD PLASMA

Cold plasma is an ionized gas generated at low temperatures under atmospheric pressure. Due to its high reactivity, it is expected to be utilized across various industrial fields. Compared to conventional plasma technologies, it features higher energy efficiency and lower environmental impact.



We aim to contribute to the realization of a sustainable society by leveraging cold plasma technology. Through this technology, we provide innovative solutions that reduce environmental impact while protecting people's health and safety. We will continue to promote technological innovation toward a sustainable future and strengthen our competitiveness in the global market.

CHEFER AIR

CHEFER AIR is a next-generation space sterilization system that utilizes proprietary cold plasma technology to generate highly effective sterilizing air composed of reactive plasma species, which fills the space to deliver its effects.
This system works by allowing plasma reactive species to come into contact and react with viruses, bacteria, mold spores, pollen, and other contaminants present in the air or introduced from outside. It offers a new product and solution capable of addressing challenges such as pandemics, infection clusters, and food safety risks associated with climate change.

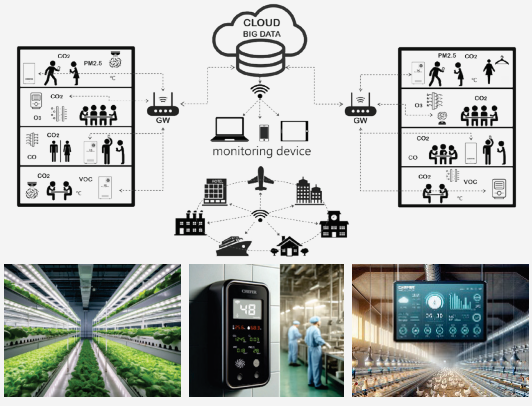
CHEFER WATER

CHEFER WATER is a safe and secure water solution created using cold plasma technology, in which reactive plasma species are infused into water without the use of chemicals.
Because it is effective against viruses and bacteria in its liquid state, it is expected to be used in a wide range of applications, including hygiene management, food washing, agriculture, livestock, and aquaculture—without relying on chemical substances.
It is also anticipated as an alternative to sanitation methods that depend on pharmaceuticals and chemicals or require large amounts of water for cleaning and disinfection.

PLASMA X

PLASMA-X is a device developed as part of climate change mitigation efforts, utilizing innovative cold plasma technology. This enables the decomposition and capture of carbon dioxide (CO_2)—which traditionally required high energy—efficiently at low energy levels.
Furthermore, the CO_2 that is decomposed and captured can be reused as a resource, contributing to the realization of a circular society. We aim to develop and implement next-generation solutions that support the achievement of carbon neutrality.

CHEFER INDICATOR



Since the COVID-19 pandemic, more people have become aware of the quality of the air around them.
CHEFER INDICATOR enables real-time monitoring of indoor and designated-area air quality. By integrating with various devices, including cold plasma systems, it provides timely actions as needed, making it possible to maintain a continuously comfortable environment. Its application is expected not only in spaces where people live and work, but also across a wide range of fields such as agriculture, livestock, and food processing facilities.