
CONSTANTINE

SUSTAINABLE SOLUTIONS

Our Environmental Strategy and goals for 2023 and beyond.



BY APPOINTMENT TO
HER MAJESTY THE QUEEN
FINE ART PACKING,
HANDLING, TRANSPORTATION
AND STORAGE SERVICES
CONSTANTINE LIMITED, LONDON

CONSTANTINE

Constantine Ltd is committed to minimising the impact of our operations on the environment and continues to prioritise sustainability throughout the business.

We understand that our major direct environmental impacts are derived from

- Electricity, gas and diesel consumption
- Carbon production
- Waste generation

The specifics of our business and importance of the goods being handled bring limitations in some aspects of sustainability however, we believe, there are always opportunities to improve our performance.



CO₂e
Assessed
Organisation



CONSTANTINE

To reduce our impact on the environment, Constantine Ltd commits to:



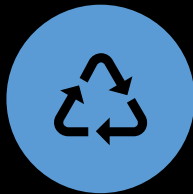
Minimising our consumption of resources by introducing sustainable alternatives and continuing to investigate sustainable solutions.



Ensuring that all future expansion and construction is designed to reduce our carbon footprint and increase energy and resource efficiency at all stages.



Regularly review progress and annually update our environmental policy and targets in accordance with best practice.



Ensuring all staff are aware of our environmental policy and are updated regularly with progress and new sustainable alternatives.



Managing waste production and disposal, ensuring environmental responsibility.



Maintaining high standards throughout supply chain by engaging with local business communities and business partners.



CO₂e
Assessed
Organisation



Sustainable Art Storage

CONSTANTINE

Constantine London West provides a secure environment within a facility that has been designed and constructed with energy saving and sustainable energy production system at its core.

- Constantine London West uses a ground source heat pump (GSHP) system which is highly efficient in heating and cooling the facility removing the requirement of natural gas entirely and reducing our energy consumption by 75%.
- A solar photo voltaic (PV) system has been installed and is utilised to supplement the day-to-day electricity usage within the building, reducing our energy consumption by 35%. Excess electricity generated by the building is exported back to the National Grid.
- A high efficiency LED lighting system with integrated motion detection is used throughout the facility.
- The external shell of the building provides a highly insulated envelope, designed to minimise environmental fluctuations and ongoing energy requirements.
- The Art Store features electric vehicle charging stations for staff and visitors. We have also invested in electric vehicles for transporting clients to and from Heathrow.
- Electric vehicle charging points have also been installed in preparation for the future electrification of our specialised art vehicles.
- A comprehensive sustainable urban drainage system includes the implementation of a grey water filtration and storage unit with water collected used for the vehicle cleaning system.



CO₂e
Assessed
Organisation



BY APPOINTMENT TO
HER MAJESTY THE QUEEN
FINE ART PACKING,
HANDLING, TRANSPORTATION
AND STORAGE SERVICES
CONSTANTINE LIMITED, LONDON



Vehicle Compliance

CONSTANTINE

All our vehicles comply with current emissions regulations and our ongoing fleet renewal scheme ensure that we continue to meet and exceed guidelines.

- Our Transport team ensure that all our vehicle journeys are planned in the most energy efficient way possible including the flexibility to consolidate more shipments and use the most efficient vehicle for the task
- By choosing to cross the Channel with Eurotunnel instead of short straight sea crossings we have saved at least 199 tons of CO2 between 2017 and 2021.
- Our vehicle fleet adheres to current EURO 6 emissions standards.
- We encourage staff to use public transport and car sharing to commute to work as well as offering the cycle to work scheme. In addition, whenever our colleagues or clients require travel within the UK or into Europe, we will always prioritise travel via train as opposed to flying.
- We are currently trialing an electric HGV vehicle and actively research CNG, Electric, Hybrid and Hydrogen powered vehicles.
- We have installed 4 x pod point dedicated EV chargers and all operational sites have externally mounted power points for EV charging.
- Our London West facility utilises a grey water collection recycling system for vehicle washing.



CO₂e
Assessed
Organisation



BY APPOINTMENT TO
HER MAJESTY THE QUEEN
FINE ART PACKING,
HANDLING, TRANSPORTATION
AND STORAGE SERVICES
CONSTANTINE LIMITED, LONDON



Upcycling & Recycling Used Materials

We regularly support non-profit organisations who upcycle our used bespoke wooden crates for important community projects. Organisations have included Cosmic Constructions which are an ecologically sustainable building and design social enterprise and Re:Works programme in collaboration between the V&A and Participatory City.

We regularly reuse packing cases and packing materials – elements such as case fittings and foam from packing cases are recycled. Our waste is segregated by our waste management company and maintain a “zero waste to landfill” policy.



CONSTANTINE

IT System

We have moved all our servers to the cloud to reduce energy consumption and will continue to source increasingly energy efficient ICT equipment.

- We are reducing paper consumption by developing bespoke operating systems.
- We are looking into integrating our in-house carbon calculator into our operating system so we can efficiently collate, track and report data.
- All internal administration is paperless, and we encourage suppliers to use secure, shared technology where feasible.
- By using communications systems, such as Teams or Zoom, we reduce emissions otherwise created by staff travel.



CO₂e
Assessed
Organisation



Turtle uNLtd and Hire Crates

CONSTANTINE

Constantine is the exclusive UK partner of Turtle_uNLtd; providing our clients with a sustainable and innovative solution to the safe packing and transportation of artwork with industry-leading performance. Each reusable crate has a lifespan of over twenty-five years and are made in the UK. Turtle crates are also assessed as carbon net-zero on delivery.

Turtle is the result of extensive testing to develop and refine the unique properties of this climate crate, with materials designed and developed for use by aerospace engineers. This is a radically innovative product that brings the standard of fine art packaging to its highest level and has been in use by some of the world's leading Museums for over 25 years.

Turtle cases are available in two sizes, Turtle 125 and Turtle 160.

When comparing the number of wooden crates that would need to be built to match the lifespan of a TURTLE, it is estimated that during its lifetime a TURTLE can save 40 trees from being cut down.

Over 200 reusable crates from the "Island Laminate Range" are available to hire via Constantine. Crates available include Picture, Object and Slotted variations.

The crates are constructed to a high Museum specification and have been used for many years by leading UK Museums. All of the crates also carry the ISPM15 wood packaging stamp.



CO₂e
Assessed
Organisation



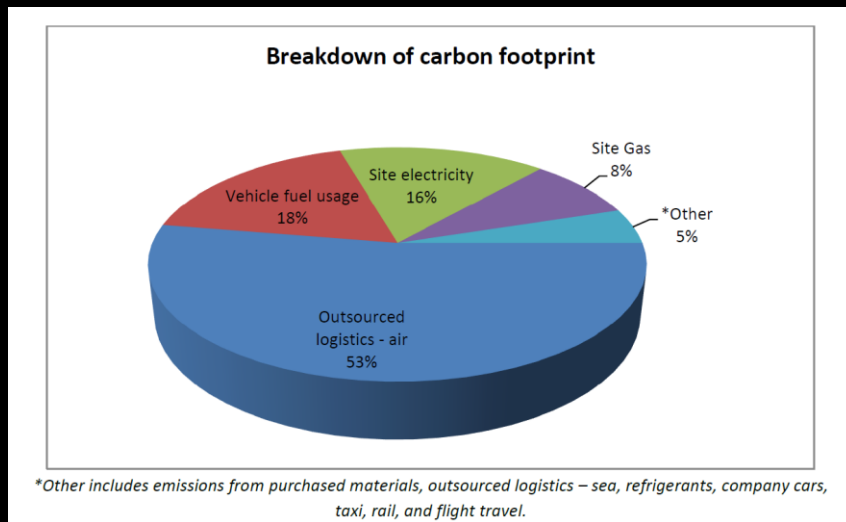
BY APPOINTMENT TO
HER MAJESTY THE QUEEN
FINE ART PACKING,
HANDLING, TRANSPORTATION
AND STORAGE SERVICES
CONSTANTINE LIMITED, LONDON



Assessing our Footprint

CONSTANTINE

Since 2020 we have worked with CarbonFootprint.com to undertake a full annual appraisal of our Business operations. Below is a breakdown of our first annual appraisal in 2020, showing the percentage emissions in each category.



The largest source of emissions is associated with procured airfreight – accounting for 53% of our entire carbon footprint.

What is a Carbon Footprint?

A carbon footprint is a measure of the impact our activities have on the environment in terms of the amount of greenhouse gases produced, measured in units of carbon dioxide equivalents (CO₂e). A carbon footprint is made up of two parts, direct and indirect emissions.

- **Direct emissions:** Direct emissions are produced by sources which are owned or controlled by the reporting organisation and include electricity use, burning oil or gas for heating, and fuel consumption as a result of business travel or distribution.
- **Indirect emissions:** Indirect emissions result from a company's upstream and downstream activities. These are typically from outsourced/contract manufacturing, and products and the services offered by the organisation.

Having a consistent annual appraisal allows us to monitor our emissions, assess where we believe we can make significant reductions and track our progress.



Constantine Project Carbon Emissions Calculator

CONSTANTINE

In 2021, Constantine undertook research into existing carbon calculators and explored several methodologies to potentially use to develop our in-house tool. We invested in a training course for the Global Logistics Emissions Council (GLEC) Framework and researched alternative ways to monitor Carbon emissions. In order to future-proof this tool, and with a long term view to integrating this within our Bespoke Operating system (LEO), we looked at how the information for each project is stored in our system, and how we invoice projects.

We decided that the Tool would be designed to assess the emissions of the following Areas:

- Air Freight
- Road Freight (Domestic and International)
- Sea Freight
- Courier
- Packing and Crating (Bespoke and Rental Crates)
- Storage

We approached CarbonFootprint.com, who were undertaking our appraisal, and asked them about working together to ensure that our carbon emission tool would produce highly accurate results. We sent them a working version of our calculator and they agreed that this was something they could help us to refine and certify as an accurate monitoring tool.

Constantine Project Carbon Emissions Calculator
Summary Report

Country/Shipment	Packing & Crating	Air Freight *	Road Freight	Sea Freight	Courier Travel *	Storage	Total KG CO2e
Canada	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Germany	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Switzerland	0.00	0.00	0.00	0.00	0.00	0.00	0.00
United Kingdom	0.00	6,360.44	570.65	0.00	0.00	0.00	6,931.08
United States - Florida	0.00	0.00	0.00	0.00	0.00	0.00	0.00
United States - Baltimore	0.00	0.00	0.00	0.00	0.00	0.00	0.00
United States - Chicago	0.00	0.00	0.00	0.00	0.00	0.00	0.00

The Report produced by the calculator breaks down the emissions produced by each category and summarises them for each country/shipment, showing a total figure for KG Co2e.

Currently, inputting the shipment data into the Calculator must be done manually by the Coordinator but our long term goal is to fully integrate this within our LEO system.

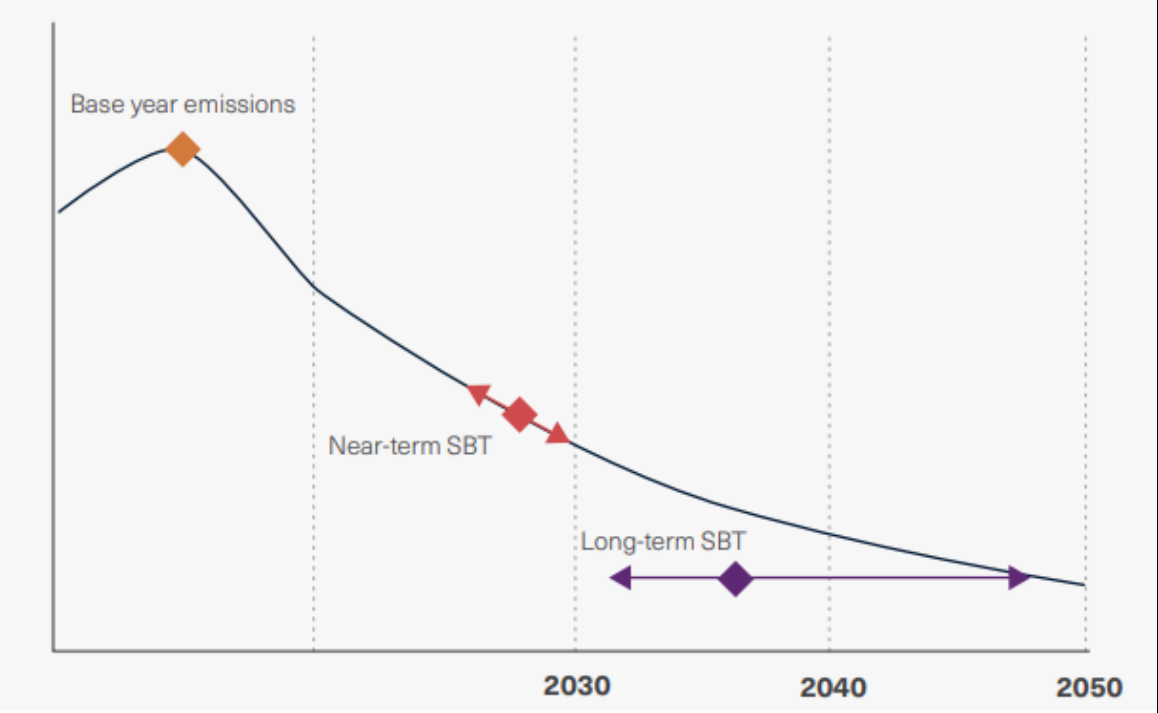


Carbon Reduction Plans



In May 2023 Constantine Ltd have partnered with Planet Mark, a sustainability certification. Planet Mark is actively involved in the development and implementation of internationally-recognised net zero standards with ISO, BSI, UKAS and the UN-backed Race to Zero campaign as a Partner and early-adopter.

We are in the process of working through our carbon and social value data to measure our impact and set our targets, both near-term and long-term. We are committed to reducing our emissions and look forward to working with Planet Mark to achieve this.



<https://sciencebasedtargets.org/resources/files/Net-Zero-Standard.pdf>



As part of our parent company, we work alongside Constantine Wind Energy (CWE). CWE have developed over 500mw of solar and 60mw of wind power, equating to enough power to supply over 150,000 homes a year.

CWE have over 2,500 acres of solar fields and 191 wind turbines currently in operation and are now developing 10 battery sites.



Communications

CONFERENCES

Constantine regularly engage with key conferences throughout the year to communicate the company's commitment to sustainability. Conferences include TEG, MA Conference, ARTIM, ARCS, ARC and ERC.

WEBSITE

We update our website regularly to reflect our current policies and commitments. Please visit www.const.co.uk/sustainability for more information.

INTERNAL COMMUNICATIONS

Staff are made aware of any updates or changes to our environmental policy and new sustainable initiatives are communicated.



CO₂e
Assessed
Organisation



BY APPOINTMENT TO
HER MAJESTY THE QUEEN
FINE ART PACKING,
HANDLING, TRANSPORTATION
AND STORAGE SERVICES
CONSTANTINE LIMITED, LONDON

